



DATA VALIDATION REPORT LDW AOC5 Middle Reach Phase 1

Prepared for:

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EcoChem Project: C22035-1

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Approved for Release:

A handwritten signature in black ink that reads "Alison M. Bodkin". The signature is written in a cursive style and is positioned above a horizontal line.

Alison Bodkin
Project Manager
EcoChem, Inc.

PROJECT NARRATIVE

Basis for the Data Validation

This report presents the results of Full (EPA Stage 4) and Summary (EPA Stage 2B) validation performed on sediment and quality control sample data for the LDW AOC5 Phase 3 project. A complete list of samples is provided in the **Sample Index**.

Samples were analyzed by Analytical Resources LLC (ARI), Tukwila, WA. The analytical methods and EcoChem project chemists are listed below.

ANALYSIS	METHOD	PRIMARY REVIEW	SECONDARY REVIEW
Dioxins and Furans	EPA 1613B	ETC	AGB
PCB Aroclors	EPA 8082A	IWH	AGB/ETC
Pesticides	EPA 8081B	IWH	AGB/ETC
PAH/cPAH	8270E-SIM	ETC/IWH	AGB
SVOC	EPA 8270E	ETC	AGB
Metals	EPA 6020	ETC	CLR
Mercury	EPA 7471B	ETC	CLR
Total Organic Carbon	9060A m	ESJ	AGB
Total Solids	ASTM SM2540G-97	ESJ	AGB

The data were reviewed using guidance and quality control criteria documented in the analytical methods; *Lower Duwamish Waterway Group, Pre-Design Investigation Quality Assurance Project Plan for the Lower Duwamish Waterway - Middle Reach* (Windward Environmental, LLC/Anchor QEA, October 21, 2022); *National Functional Guidelines for High Resolution Superfund Methods Data review* (USEPA 2016); *National Functional Guidelines for Organic Data Review* (USEPA 2017); *National Functional Guidelines for Inorganic Data Review* (USEPA 2017); and *R10 Data Validation and Review Guidelines for Polychlorinated Dibenzo-p-Dioxin and Polychlorinated Dibenzofuran Data (PCDD/PCDF) Using Method 1613B and SW846 Method 8290A* (USEPA May 2014).

EcoChem's goal in assigning data assessment qualifiers is to assist in proper data interpretation. If values are estimated (J or UJ), data may be used for site evaluation and risk assessment purposes but reasons for data qualification should be taken into consideration when interpreting sample concentrations. If values are assigned an R, the data are to be rejected and should not be used for any site evaluation purposes. If values have no data qualifier assigned, then the data meet the data quality objectives as stated in the documents and methods referenced previously.

Data qualifier definitions, reason codes, and validation criteria are included as **Appendix A**. A Qualified Data Summary Table is included in **Appendix B**. Data Validation Worksheets will be kept on file at EcoChem, Inc. A qualified laboratory electronic data deliverable (EDD) is also submitted with this report.

Sample Index
LDW AOC5 MR Phase 1

SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
22L0198	LDW23-SS1253	22L0198-01						✓					✓	✓
22L0198	LDW23-SS1254	22L0198-02						✓					✓	✓
22L0198	LDW23-SS1255	22L0198-03						✓					✓	✓
22L0198	LDW23-SS1257	22L0198-04						✓					✓	✓
22L0198	LDW23-SS1258	22L0198-05						✓					✓	✓
22L0198	LDW23-SS1259	22L0198-06						✓					✓	✓
22L0198	LDW23-SS1262	22L0198-07						✓					✓	✓
22L0198	LDW23-SS1260	22L0198-08						✓					✓	✓
22L0198	LDW23-SS1263	22L0198-09						✓					✓	✓
22L0198	LDW23-SS1245	22L0198-10						✓					✓	✓
22L0383	LDW23-SC1177C	22L0383-01		✓	✓		✓	✓	✓	✓			✓	✓
22L0383	LDW23-SC1150C	22L0383-02		✓	✓		✓	✓	✓	✓			✓	✓
22L0383	LDW23-SC1150C-FD	22L0383-03		✓	✓		✓	✓	✓	✓			✓	✓
22L0383	LDW23-SC1137C	22L0383-04		✓	✓		✓	✓	✓	✓			✓	✓
22L0383	LDW23-SC1156C	22L0383-05		✓	✓		✓	✓	✓	✓			✓	✓
22L0383	LDW23-SC1191B	22L0383-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0383	LDW23-SC1191B-FD	22L0383-07	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0383	LDW23-SC1183D	22L0383-08		✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1064C	22L0417-01	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1065C	22L0417-02	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1060D	22L0417-03	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1059C	22L0417-04	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1047C	22L0417-05		✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1046C	22L0417-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1143C	22L0417-07	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1130B	22L0417-08		✓	✓		✓	✓	✓	✓			✓	✓
22L0417	LDW23-SC1199B	22L0417-09		✓	✓		✓	✓	✓	✓			✓	✓
22L0459	LDW23-SC1123B	22L0459-01		✓	✓		✓	✓	✓	✓			✓	✓
22L0459	LDW23-SC1053C	22L0459-02	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0459	LDW23-SC1039C	22L0459-03		✓	✓		✓	✓	✓	✓			✓	✓
22L0459	LDW23-SC1007B	22L0459-04		✓	✓		✓	✓	✓	✓			✓	✓
22L0459	LDW23-SC1002C	22L0459-05		✓	✓		✓	✓	✓	✓			✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
22L0459	LDW23-SC1070B	22L0459-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
22L0459	LDW23-SC1091B	22L0459-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1002	23A0031-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1001	23A0031-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1199	23A0031-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1199-FD	23A0031-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1191	23A0031-05	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1191-FD	23A0031-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1177	23A0031-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1177-FD	23A0031-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1156	23A0031-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1156-FD	23A0031-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1143	23A0031-11	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1143-FD	23A0031-12	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1137	23A0031-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1138	23A0031-14		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1144	23A0031-15		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1157	23A0031-16		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1163	23A0031-17		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1166	23A0031-18		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1172	23A0031-19		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1174	23A0031-20		✓	✓		✓	✓	✓	✓			✓	✓
23A0031	LDW23-SS1232	23A0031-21		✓	✓		✓	✓	✓	✓			✓	✓
23A0032	LDW23-IT1246	23A0032-01				✓		✓			✓		✓	✓
23A0032	LDW23-IT1264	23A0032-02	✓			✓		✓			✓		✓	✓
23A0032	LDW23-IT1269	23A0032-03				✓		✓			✓		✓	✓
23A0032	LDW23-IT1272	23A0032-04	✓			✓		✓			✓		✓	✓
23A0032	LDW23-IT1224	23A0032-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0032	LDW23-IT1235	23A0032-06	✓			✓		✓			✓		✓	✓
23A0032	LDW23-IT1202	23A0032-07	✓			✓		✓			✓		✓	✓
23A0032	LDW23-SC1226B	23A0032-08	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0032	LDW23-SC1203	23A0032-09						✓					✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0032	LDW23-SC1203-FD	23A0032-10						✓					✓	✓
23A0032	LDW23-SC1212	23A0032-11	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1264	23A0087-01	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1272	23A0087-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1235	23A0087-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1224	23A0087-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1212	23A0087-05	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1212-FD	23A0087-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1211	23A0087-07	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1203	23A0087-08	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1189	23A0087-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1267	23A0087-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1267-FD	23A0087-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1251	23A0087-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1240	23A0087-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1229	23A0087-14		✓	✓		✓	✓	✓	✓			✓	✓
23A0087	LDW23-SS1228	23A0087-15	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-IT1197	23A0088-01				✓		✓			✓		✓	✓
23A0088	LDW23-IT1189	23A0088-02				✓		✓			✓		✓	✓
23A0088	LDW23-SC1190	23A0088-03						✓					✓	✓
23A0088	LDW23-SC1198	23A0088-04						✓					✓	✓
23A0088	LDW23-IT1268	23A0088-05				✓		✓	✓		✓		✓	✓
23A0088	LDW23-SC1220	23A0088-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1225-FD	23A0088-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1225	23A0088-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1265	23A0088-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1247	23A0088-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1270	23A0088-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1276	23A0088-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1221B	23A0088-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1184A	23A0088-14		✓	✓		✓	✓	✓	✓			✓	✓
23A0088	LDW23-SC1214A	23A0088-15		✓	✓		✓	✓	✓	✓			✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0099	LDW23-IT1154	23A0099-01	✓			✓		✓			✓		✓	✓
23A0099	LDW23-SC1153	23A0099-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1165	23A0099-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1186	23A0099-04	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1186-FD	23A0099-05	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1188	23A0099-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1173	23A0099-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1179	23A0099-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1152	23A0099-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-IT1160	23A0099-10	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-IT1160-FD	23A0099-11	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1205A	23A0099-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0099	LDW23-SC1109B	23A0099-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1276	23A0100-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1276-FD	23A0100-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1270	23A0100-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1270-FD	23A0100-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1265	23A0100-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1265-FD	23A0100-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1247	23A0100-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1247-FD	23A0100-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1226	23A0100-09	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1225	23A0100-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1225-FD	23A0100-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1221	23A0100-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1220	23A0100-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1214	23A0100-14		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1208	23A0100-15		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1207	23A0100-16		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1193	23A0100-17		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1184	23A0100-18		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1182	23A0100-19		✓	✓		✓	✓	✓	✓			✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0100	LDW23-SS1175	23A0100-20		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1154	23A0100-21	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1149	23A0100-22		✓	✓		✓	✓	✓	✓			✓	✓
23A0100	LDW23-SS1130	23A0100-23		✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SC1252	23A0133-01						✓					✓	✓
23A0133	LDW23-SC1261	23A0133-02						✓					✓	✓
23A0133	LDW23-SC1250	23A0133-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SC1244	23A0133-04						✓					✓	✓
23A0133	LDW23-SC1244-FD	23A0133-05						✓					✓	✓
23A0133	LDW23-SC1241	23A0133-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-IT1217	23A0133-07	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SC1185	23A0133-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SC1234	23A0133-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SC1215	23A0133-10	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SC1222	23A0133-11	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SC1227	23A0133-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SS1110	23A0133-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SS1109	23A0133-14		✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SS1092	23A0133-15		✓	✓		✓	✓	✓	✓			✓	✓
23A0133	LDW23-SS1091	23A0133-16		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1205	23A0134-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1188	23A0134-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1179	23A0134-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1242	23A0134-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1173	23A0134-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1160	23A0134-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1152	23A0134-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1131	23A0134-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1129	23A0134-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1124	23A0134-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1123	23A0134-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-SS1116	23A0134-12		✓	✓		✓	✓	✓	✓			✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0134	LDW23-IT1210	23A0134-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0134	LDW23-IT1194	23A0134-14	✓	✓		✓		✓					✓	✓
23A0134	LDW23-SC1249	23A0134-15					✓	✓	✓	✓			✓	✓
23A0134	LDW23-SC1077	23A0134-16		✓	✓			✓					✓	✓
23A0171	LDW23-SS1254	23A0171-01		✓	✓		✓		✓	✓				
23A0171	LDW23-SS1257	23A0171-02	✓	✓	✓		✓		✓	✓				
23A0171	LDW23-SS1262	23A0171-03		✓	✓		✓		✓	✓				
23A0171	LDW23-SS1245	23A0171-04	✓	✓	✓		✓		✓	✓				
23B0228	LDW23-SC1009	23B0228-01						✓					✓	✓
23B0229	LDW23-SC1236	23B0229-01						✓					✓	✓
23B0229	LDW23-SS1236	23B0229-02		✓	✓		✓	✓	✓	✓			✓	✓
23B0229	LDW23-SS1237	23B0229-03		✓	✓		✓	✓	✓	✓			✓	✓
23B0229	LDW23-SS1150	23B0229-04		✓	✓		✓	✓	✓	✓			✓	✓
23B0229	LDW23-SS1008	23B0229-05		✓	✓		✓	✓	✓	✓			✓	✓
23B0229	LDW23-SC1008	23B0229-06		✓	✓		✓	✓	✓	✓			✓	✓
23B0229	LDW23-SC1014	23B0229-07						✓					✓	✓
23B0229	LDW23-SC1013	23B0229-08		✓	✓		✓	✓	✓	✓			✓	✓
23B0276	LDW23-SC1150B	23B0276-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1277	23A0157-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1256	23A0157-02						✓					✓	✓
23A0157	LDW23-SC1206	23A0157-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1248	23A0157-04						✓					✓	✓
23A0157	LDW23-SC1248-FD	23A0157-05						✓					✓	✓
23A0157	LDW23-SC1239	23A0157-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1271	23A0157-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1266	23A0157-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1200	23A0157-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1213	23A0157-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1192	23A0157-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1178	23A0157-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0157	LDW23-SC1171	23A0157-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1281	23A0158-01						✓					✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0158	LDW23-SS1280	23A0158-02						✓					✓	✓
23A0158	LDW23-SS1279	23A0158-03						✓					✓	✓
23A0158	LDW23-SS1250	23A0158-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1249	23A0158-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1222	23A0158-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1215	23A0158-07	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1185	23A0158-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1077	23A0158-09	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1070	23A0158-10	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1065	23A0158-11	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1064	23A0158-12	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1060	23A0158-13	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1059	23A0158-14	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1053	23A0158-15	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0158	LDW23-SS1047	23A0158-16		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1277	23A0179-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1271	23A0179-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1266	23A0179-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1248	23A0179-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1239	23A0179-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1213	23A0179-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1200	23A0179-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1178	23A0179-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1171	23A0179-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1112	23A0179-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1039	23A0179-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0179	LDW23-SS1007	23A0179-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0180	LDW23-SC1164	23A0180-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0180	LDW23-SC1164-FD	23A0180-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0180	LDW23-SC1158	23A0180-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0180	LDW23-SC1151	23A0180-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0180	LDW23-SC1145	23A0180-05						✓					✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0180	LDW23-SC1139	23A0180-06						✓					✓	✓
23A0180	LDW23-SC1066	23A0180-07						✓					✓	✓
23A0180	LDW23-SC1061	23A0180-08						✓					✓	✓
23A0180	LDW23-SC1117	23A0180-09						✓					✓	✓
23A0180	LDW23-SC1093	23A0180-10						✓					✓	✓
23A0180	LDW23-SC1094	23A0180-11						✓					✓	✓
23A0180	LDW23-SC1103	23A0180-12						✓					✓	✓
23A0180	LDW23-SC1100	23A0180-13						✓					✓	✓
23A0180	LDW23-SC1101	23A0180-14						✓					✓	✓
23A0180	LDW23-SC1096	23A0180-15						✓					✓	✓
23A0206	LDW23-SS1021	23A0206-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1015	23A0206-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1164	23A0206-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1158	23A0206-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1151	23A0206-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1145	23A0206-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1139	23A0206-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1117	23A0206-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1103	23A0206-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1100	23A0206-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1096	23A0206-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1094	23A0206-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1066	23A0206-13	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0206	LDW23-SS1061	23A0206-14		✓	✓		✓	✓	✓	✓			✓	✓
23A0207	LDW23-IT1088	23A0207-01				✓		✓			✓		✓	✓
23A0207	LDW23-IT1089	23A0207-02	✓			✓		✓			✓		✓	✓
23A0207	LDW23-IT1079	23A0207-03				✓		✓			✓		✓	✓
23A0207	LDW23-IT1080	23A0207-04				✓		✓			✓		✓	✓
23A0207	LDW23-IT1080-FD	23A0207-05				✓		✓			✓		✓	✓
23A0207	LDW23-IT1072	23A0207-06				✓		✓			✓		✓	✓
23A0207	LDW23-IT1081	23A0207-07				✓		✓			✓		✓	✓
23A0207	LDW23-IT1068	23A0207-08				✓		✓			✓		✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0207	LDW23-IT1062	23A0207-09				✓		✓			✓		✓	✓
23A0207	LDW23-IT1097	23A0207-10	✓			✓		✓			✓		✓	✓
23A0207	LDW23-SC1085	23A0207-11						✓					✓	✓
23A0207	LDW23-SC1069	23A0207-12						✓					✓	✓
23A0207	LDW23-SC1058	23A0207-13						✓					✓	✓
23A0207	LDW23-SC1073	23A0207-14						✓					✓	✓
23A0207	LDW23-IT1078	23A0207-15				✓		✓			✓		✓	✓
23A0207	LDW23-IT1201	23A0207-16				✓		✓			✓		✓	✓
23A0207	LDW23-IT1209	23A0207-17	✓			✓		✓			✓		✓	✓
23A0249	LDW23-SC1083	23A0249-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0249	LDW23-SC1018	23A0249-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0249	LDW23-SC1084	23A0249-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0249	LDW23-SC1025	23A0249-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0249	LDW23-SC1033	23A0249-06						✓					✓	✓
23A0249	LDW23-IT1034	23A0249-07				✓		✓			✓		✓	✓
23A0249	LDW23-SC1024	23A0249-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0249	LDW23-SC1040	23A0249-09						✓					✓	✓
23A0249	LDW23-SC1030	23A0249-10						✓					✓	✓
23A0249	LDW23-SC1020	23A0249-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-SC1074	23A0295-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-SC1075	23A0295-02	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-SC1038B	23A0295-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-SC1023B	23A0295-04	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-SC1022A	23A0295-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-SC1017B	23A0295-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-SC1019	23A0295-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-IT1027	23A0295-08				✓		✓	✓				✓	✓
23A0295	LDW23-SC1026	23A0295-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0295	LDW23-IT1041	23A0295-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0313	LDW23-SC1108	23A0313-01						✓					✓	✓
23A0313	LDW23-SC1115	23A0313-02						✓					✓	✓
23A0313	LDW23-IT1114	23A0313-03				✓		✓			✓		✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0313	LDW23-IT1120	23A0313-04				✓		✓			✓		✓	✓
23A0313	LDW23-SC1090	23A0313-05						✓					✓	✓
23A0313	LDW23-SC1095	23A0313-06						✓					✓	✓
23A0313	LDW23-SC1076	23A0313-07						✓					✓	✓
23A0313	LDW23-SC1016A	23A0313-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0313	LDW23-SC1011A	23A0313-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0313	LDW23-SC1006A	23A0313-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0313	LDW23-SC1012B	23A0313-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0313	LDW23-IT1148	23A0313-12	✓			✓		✓			✓		✓	✓
23A0313	LDW23-SC1159	23A0313-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0326	LDW23-SC1028	23A0326-01	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0326	LDW23-SC1032	23A0326-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0326	LDW23-SC1128	23A0326-03						✓					✓	✓
23A0326	LDW23-SC1170A	23A0326-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0326	LDW23-SC1169C	23A0326-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0326	LDW23-SC1168	23A0326-06						✓					✓	✓
23A0326	LDW23-SC1176	23A0326-07						✓					✓	✓
23A0326	LDW23-IT1181	23A0326-08				✓		✓			✓		✓	✓
23A0326	LDW23-IT1127	23A0326-09	✓			✓		✓			✓		✓	✓
23A0326	LDW23-SC1161	23A0326-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0326	LDW23-SC1155	23A0326-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0326	LDW23-SC1162B	23A0326-12	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1278	23A0328-01						✓					✓	✓
23A0328	LDW23-SS1209	23A0328-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1108	23A0328-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1120	23A0328-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1170	23A0328-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1168	23A0328-06	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1176	23A0328-07	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1181	23A0328-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1159	23A0328-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1155	23A0328-10		✓	✓		✓	✓	✓	✓			✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0328	LDW23-SS1161	23A0328-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0328	LDW23-SS1162	23A0328-12	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1127	23A0417-01	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1128	23A0417-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1095	23A0417-03	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1090	23A0417-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1089	23A0417-05	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1122	23A0417-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1088	23A0417-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1085	23A0417-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1084	23A0417-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1083	23A0417-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1082	23A0417-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1081	23A0417-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1076	23A0417-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1074	23A0417-14		✓	✓		✓	✓	✓	✓			✓	✓
23A0417	LDW23-SS1073	23A0417-15		✓	✓		✓	✓	✓	✓			✓	✓
23A0418	LDW23-IT1136	23A0418-01	✓			✓		✓			✓		✓	✓
23A0418	LDW23-IT1142	23A0418-02	✓			✓		✓			✓		✓	✓
23A0418	LDW23-SC1122	23A0418-03						✓					✓	✓
23A0418	LDW23-IT1141	23A0418-04				✓		✓			✓		✓	✓
23A0418	LDW23-IT1133	23A0418-05				✓		✓			✓		✓	✓
23A0418	LDW23-IT1133-FD	23A0418-06				✓		✓			✓		✓	✓
23A0418	LDW23-IT1180	23A0418-07				✓		✓			✓		✓	✓
23A0418	LDW23-IT1218	23A0418-08				✓		✓			✓		✓	✓
23A0418	LDW23-IT1216	23A0418-09				✓		✓			✓		✓	✓
23A0418	LDW23-IT1135	23A0418-10	✓			✓		✓			✓		✓	✓
23A0418	LDW23-IT1140	23A0418-11				✓		✓			✓		✓	✓
23A0418	LDW23-IT1275	23A0418-12				✓		✓			✓		✓	✓
23A0419	LDW23-SS1218	23A0419-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1045	23A0419-02	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1133	23A0419-03		✓	✓		✓	✓	✓	✓			✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0419	LDW23-SS1135	23A0419-04	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1136	23A0419-05	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1140	23A0419-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1141	23A0419-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1142	23A0419-08	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1202	23A0419-09	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1041	23A0419-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1038	23A0419-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0419	LDW23-SS1030	23A0419-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0420	LDW23-SC1045	23A0420-01	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0420	LDW23-SC1052	23A0420-02						✓					✓	✓
23A0420	LDW23-SC1057	23A0420-03						✓					✓	✓
23A0420	LDW23-IT1051	23A0420-04	✓			✓		✓	✓				✓	✓
23A0420	LDW23-SC1125	23A0420-05						✓					✓	✓
23A0420	LDW23-SC1132	23A0420-06						✓					✓	✓
23A0420	LDW23-SC1003	23A0420-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0420	LDW23-SC1004	23A0420-08	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0420	LDW23-SC1082	23A0420-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1029	23A0455-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1032	23A0455-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1031	23A0455-03	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1033	23A0455-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1020	23A0455-05		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1025	23A0455-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1024	23A0455-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1023	23A0455-08	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1022	23A0455-09		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1018	23A0455-10		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1017	23A0455-11		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1016	23A0455-12		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1012	23A0455-13		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1011	23A0455-14		✓	✓		✓	✓	✓	✓			✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23A0455	LDW23-SS1051	23A0455-15	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1052	23A0455-16	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1219	23A0455-17		✓	✓		✓	✓	✓	✓			✓	✓
23A0455	LDW23-SS1180	23A0455-18		✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1010	23A0467-01		✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1005	23A0467-02		✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1006	23A0467-03		✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1003	23A0467-04		✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1004	23A0467-05	✓	✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1204	23A0467-06		✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1238	23A0467-07		✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1013	23A0467-08		✓	✓		✓	✓	✓	✓			✓	✓
23A0467	LDW23-SS1014	23A0467-09		✓	✓		✓	✓	✓	✓			✓	✓
23C0071	LDW23-SS1000	23C0071-01		✓	✓		✓	✓	✓	✓			✓	✓
23C0071	LDW23-SS1037	23C0071-02	✓	✓	✓		✓	✓	✓	✓			✓	✓
23C0071	LDW23-SS1036	23C0071-03		✓	✓		✓	✓	✓	✓			✓	✓
23C0071	LDW23-SS1044	23C0071-04		✓	✓		✓	✓	✓	✓			✓	✓
23C0071	LDW23-SS1048	23C0071-05		✓	✓		✓	✓	✓	✓			✓	✓
23C0071	LDW23-SS1054	23C0071-06		✓	✓		✓	✓	✓	✓			✓	✓
23C0071	LDW23-SC1054	23C0071-08						✓					✓	✓
23C0071	LDW23-SC1048	23C0071-09						✓					✓	✓
23C0071	LDW23-SC1036	23C0071-10						✓					✓	✓
23C0108	LDW23-SC1037	23C0108-01						✓					✓	✓
23C0108	LDW23-SC1044	23C0108-02		✓	✓		✓	✓	✓	✓			✓	✓
23C0108	LDW23-SC1107	23C0108-03						✓					✓	✓
23C0108	LDW23-SC1106	23C0108-04						✓					✓	✓
23C0108	LDW23-SC1118	23C0108-05						✓					✓	✓
23C0108	LDW23-SS1106	23C0108-06		✓	✓		✓	✓	✓	✓			✓	✓
23C0108	LDW23-SS1107	23C0108-07		✓	✓		✓	✓	✓	✓			✓	✓
23C0108	LDW23-SS1111	23C0108-08		✓	✓		✓	✓	✓	✓			✓	✓
23C0108	LDW23-SS1118	23C0108-09		✓	✓		✓	✓	✓	✓			✓	✓
23C0108	LDW23-SC1111	23C0108-10						✓					✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23C0109	LDW23-SC1104	23C0109-01						✓					✓	✓
23C0109	LDW23-SS1104	23C0109-02		✓	✓		✓	✓	✓	✓			✓	✓
23C0109	LDW23-SS1105	23C0109-03	✓	✓	✓		✓	✓	✓	✓			✓	✓
23C0752	LDW23-SS1026	23C0752-01		✓	✓		✓	✓	✓	✓			✓	✓
23C0752	LDW23-SS1125	23C0752-02		✓	✓		✓	✓	✓	✓			✓	✓
23C0752	LDW23-SS1132	23C0752-03		✓	✓		✓	✓	✓	✓			✓	✓
23C0752	LDW23-SS1810	23C0752-04		✓	✓		✓	✓	✓	✓			✓	✓
23C0752	LDW23-SC1810	23C0752-05						✓					✓	✓
23C0752	LDW23-SS1809	23C0752-06		✓	✓		✓	✓	✓	✓			✓	✓
23C0752	LDW23-SC1809	23C0752-07						✓					✓	✓
23C0774	LDW23-SC1053A	23C0774-01		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1053B	23C0774-02		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1007A	23C0774-03		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1002A	23C0774-04		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1002B	23C0774-05		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1046A	23C0774-06		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1046B	23C0774-07		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1177A	23C0774-08		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1177B	23C0774-09		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1156B	23C0774-10		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1183A	23C0774-11		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1183B	23C0774-12		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1183C	23C0774-13		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SS1808	23C0774-14		✓	✓		✓	✓	✓	✓			✓	✓
23C0774	LDW23-SC1808	23C0774-15						✓					✓	✓
23D0008	LDW23-SS1816	23D0008-01	✓	✓	✓		✓	✓	✓	✓			✓	✓
23D0008	LDW23-SC1816	23D0008-02						✓					✓	✓
23D0008	LDW23-SS1817	23D0008-03		✓	✓		✓	✓	✓	✓			✓	✓
23D0008	LDW23-SC1817	23D0008-04						✓					✓	✓
23D0037	LDW23-SS1812	23D0037-01		✓	✓		✓	✓	✓	✓			✓	✓
23D0037	LDW23-IT1812	23D0037-02				✓		✓			✓		✓	✓
23D0037	LDW23-SS1813	23D0037-03		✓	✓		✓	✓	✓	✓			✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23D0037	LDW23-IT1813	23D0037-04				✓		✓			✓		✓	✓
23D0063	LDW23-SS1818	23D0063-01	✓	✓	✓		✓	✓	✓	✓			✓	✓
23D0063	LDW23-SC1818	23D0063-02						✓					✓	✓
23D0063	LDW23-SS1819	23D0063-03	✓	✓	✓		✓	✓	✓	✓			✓	✓
23D0063	LDW23-SC1819	23D0063-04						✓					✓	✓
23D0136	LDW23-SS1804	23D0136-01	✓	✓	✓		✓	✓	✓	✓			✓	✓
23D0136	LDW23-SC1804	23D0136-02						✓					✓	✓
23D0136	LDW23-SS1803	23D0136-03		✓	✓		✓	✓	✓	✓			✓	✓
23D0136	LDW23-SC1803	23D0136-04						✓					✓	✓
23D0393	LDW23-SC1204	23D0393-01						✓					✓	✓
23D0393	LDW23-SS1223	23D0393-02	✓	✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-IT1223	23D0393-03	✓			✓		✓			✓		✓	✓
23D0393	LDW23-SS1233	23D0393-04		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-IT1233	23D0393-05				✓		✓			✓		✓	✓
23D0393	LDW23-SS1231	23D0393-06		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-IT1231	23D0393-07	✓			✓		✓			✓		✓	✓
23D0393	LDW23-SS1147	23D0393-08		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-IT1147	23D0393-09				✓		✓			✓		✓	✓
23D0393	LDW23-SS1097	23D0393-10	✓	✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-SS1114	23D0393-11	✓	✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-SS1086	23D0393-12		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-IT1086	23D0393-13	✓			✓		✓			✓		✓	✓
23D0393	LDW23-IT1087	23D0393-14				✓		✓			✓		✓	✓
23D0393	LDW23-SS1072	23D0393-15		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-SS1079	23D0393-16		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-SS1068	23D0393-17		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-SS1062	23D0393-18		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-SS1049	23D0393-19		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-IT1049	23D0393-20				✓		✓			✓		✓	✓
23D0393	LDW23-IT1042	23D0393-21				✓		✓			✓		✓	✓
23D0393	LDW23-SS1043	23D0393-22		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-IT1043	23D0393-23	✓			✓		✓			✓		✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23D0393	LDW23-SC1029	23D0393-24		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-SC1098	23D0393-25						✓					✓	✓
23D0393	LDW23-SC1099	23D0393-26						✓					✓	✓
23D0393	LDW23-SC1102	23D0393-27						✓					✓	✓
23D0393	LDW23-SS1102	23D0393-28		✓	✓		✓	✓	✓	✓			✓	✓
23D0393	LDW23-SS1099	23D0393-29		✓	✓		✓	✓	✓	✓			✓	✓
23D0394	LDW23-SS1098	23D0394-01		✓	✓		✓	✓	✓	✓			✓	✓
23D0394	LDW23-SS1071	23D0394-02	✓	✓	✓		✓	✓	✓	✓			✓	✓
23D0394	LDW23-IT1071	23D0394-03	✓			✓		✓			✓		✓	✓
23D0394	LDW23-SS1078	23D0394-04		✓	✓		✓	✓	✓	✓			✓	✓
23D0394	LDW23-IT1067	23D0394-05				✓		✓			✓		✓	✓
23D0394	LDW23-SS1807	23D0394-06		✓	✓		✓	✓	✓	✓			✓	✓
23D0394	LDW23-IT1807	23D0394-07						✓			✓		✓	✓
23D0394	LDW23-SS1055	23D0394-08		✓	✓		✓	✓	✓	✓			✓	✓
23D0394	LDW23-IT1055	23D0394-09				✓		✓			✓		✓	✓
23D0394	LDW23-IT1050	23D0394-10				✓		✓			✓		✓	✓
23D0394	LDW23-SS1034	23D0394-11		✓	✓		✓	✓	✓	✓			✓	✓
23D0394	LDW23-SS1806	23D0394-12		✓	✓		✓	✓	✓	✓			✓	✓
23D0394	LDW23-IT1806	23D0394-13						✓			✓		✓	✓
23D0396	LDW23-SS1801	23D0396-01		✓	✓		✓	✓	✓	✓			✓	✓
23D0396	LDW23-SC1801	23D0396-02						✓					✓	✓
23D0396	LDW23-SS1802	23D0396-03		✓	✓		✓	✓	✓	✓			✓	✓
23D0396	LDW23-SC1802	23D0396-04						✓					✓	✓
23E0009	LDW23-SS1811	23E0009-01		✓	✓		✓	✓	✓	✓			✓	✓
23E0009	LDW23-SC1811	23E0009-02						✓					✓	✓
23E0009	LDW23-SS1805	23E0009-03		✓	✓		✓	✓	✓	✓			✓	✓
23E0009	LDW23-SC1805	23E0009-04						✓					✓	✓
23E0009	LDW23-SS1800	23E0009-05		✓	✓		✓	✓	✓	✓			✓	✓
23E0009	LDW23-SC1800	23E0009-06						✓					✓	✓
23E0009	LDW23-SS1820	23E0009-07		✓	✓		✓	✓	✓	✓			✓	✓
23E0009	LDW23-IT1820	23E0009-08				✓		✓			✓		✓	✓
23E0219	LDW23-SC1035	23E0219-01						✓					✓	✓

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23E0219	LDW23-SS1035	23E0219-02	✓	✓	✓		✓	✓	✓	✓			✓	✓
23E0219	LDW23-SS1167	23E0219-03	✓	✓	✓		✓	✓	✓	✓			✓	✓
23E0219	LDW23-IT1167	23E0219-04	✓			✓		✓			✓		✓	✓
23E0219	LDW23-SS1814	23E0219-05		✓	✓		✓	✓	✓	✓			✓	✓
23E0219	LDW23-IT1814	23E0219-06				✓		✓			✓		✓	✓
23E0219	LDW23-SS1815	23E0219-07	✓	✓	✓		✓	✓	✓	✓			✓	✓
23E0219	LDW23-IT1815	23E0219-08				✓		✓			✓		✓	✓
23E0219	LDW23-SS1134	23E0219-09		✓	✓		✓	✓	✓	✓			✓	✓
23E0219	LDW23-SS1146	23E0219-10		✓	✓		✓	✓	✓	✓			✓	✓
23E0219	LDW23-IT1146	23E0219-11				✓		✓			✓		✓	✓
23E0219	LDW23-IT1121	23E0219-12				✓		✓			✓		✓	✓
23E0219	LDW23-SS1126	23E0219-13		✓	✓		✓	✓	✓	✓			✓	✓
23F0143	LDW23-SC1156A	23F0143-01		✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SC1226A	23F0143-02	✓	✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SS1269	23F0143-03		✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SS1275	23F0143-04		✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SS1274	23F0143-05						✓		✓			✓	
23F0143	LDW23-SS1230	23F0143-06				✓		✓					✓	
23F0143	LDW23-SC1221A	23F0143-07		✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SC1184B	23F0143-08						✓	✓	✓			✓	
23F0143	LDW23-SC1205B	23F0143-09						✓	✓	✓			✓	
23F0143	LDW23-SS1195	23F0143-10						✓	✓	✓			✓	
23F0143	LDW23-SS1243	23F0143-11						✓					✓	
23F0143	LDW23-SS1063	23F0143-12				✓		✓					✓	
23F0143	LDW23-SC1038A	23F0143-13		✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SC1023A	23F0143-14	✓	✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SC1022B	23F0143-15						✓	✓	✓			✓	
23F0143	LDW23-SC1017A	23F0143-16		✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SC1016B	23F0143-17						✓	✓	✓			✓	
23F0143	LDW23-SC1011B	23F0143-18						✓	✓	✓			✓	
23F0143	LDW23-SC1006B	23F0143-19						✓	✓	✓			✓	
23F0143	LDW23-SC1012A	23F0143-20		✓	✓		✓	✓	✓	✓			✓	

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SDG	Sample ID	Laboratory ID	Dioxins 1613B	SVOC	SIM SVOC	cPAH	PEST	PCB	Metals	Mercury	Arsenic	Lead	TOC	Total Solids
23F0143	LDW23-SC1170B	23F0143-21						✓	✓	✓			✓	
23F0143	LDW23-SC1169A	23F0143-22		✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SC1169B	23F0143-23		✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SC1162A	23F0143-24	✓	✓	✓		✓	✓	✓	✓			✓	
23F0143	LDW23-SS1056	23F0143-25						✓	✓	✓			✓	
23F0143	LDW23-SS1113	23F0143-26					✓	✓					✓	
23F0143	LDW23-SS1119	23F0143-27				✓							✓	
23F0143	LDW23-SS1042	23F0143-28						✓	✓	✓			✓	
23F0143	LDW23-SS1067	23F0143-29	✓					✓					✓	
23F0143	LDW23-SS1050	23F0143-30						✓	✓	✓			✓	
23H0221	LDW23-SS1233	23H0221-01		✓	✓									
23H0221	LDW23-SS1068	23H0221-02		✓	✓									
23H0221	LDW23-SS1071	23H0221-03			✓									
23H0221	LDW23-SS1078	23H0221-04			✓									
23H0221	LDW23-SS1807	23H0221-05			✓									
23H0221	LDW23-SS1055	23H0221-06			✓									
23H0221	LDW23-SS1034	23H0221-07			✓									
23H0221	LDW23-SS1806	23H0221-08			✓									
23H0579	LDW23-SC1156A	23H0579-01			✓									
23H0579	LDW23-SC1226A	23H0579-02			✓									
23H0579	LDW23-SS1269	23H0579-03			✓									
23H0579	LDW23-SS1275	23H0579-04			✓									
23H0579	LDW23-SC1221A	23H0579-05			✓									
23H0579	LDW23-SC1038A	23H0579-06			✓									
23H0579	LDW23-SC1023A	23H0579-07			✓									
23H0579	LDW23-SC1017A	23H0579-08			✓									
23H0579	LDW23-SC1012A	23H0579-09			✓									
23H0579	LDW23-SC1169A	23H0579-10			✓									
23H0579	LDW23-SC1169B	23H0579-11			✓									
23H0579	LDW23-SC1162A	23H0579-12			✓									

DATA VALIDATION REPORT
LDW AOC5 MR Phase 1
Dioxin/Furan Compounds by EPA 1613B

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Analytical Resources, LLC. (ARL), Tukwila, Washington. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
22L0383	2 Sediment	EPA Stage 2B
22L0417	6 Sediment	EPA Stage 2B
22L0459	2 Sediment	EPA Stage 2B
23A0031	4 Sediment	EPA Stage 4
23A0032	6 Sediment	EPA Stage 4
23A0087	6 Sediment	EPA Stage 2B
23A0099	5 Sediment	EPA Stage 2B
23A0100	2 Sediment	EPA Stage 2B
23A0133	4 Sediment	EPA Stage 2B
23A0134	2 Sediment	EPA Stage 2B
23A0158	9 Sediment	EPA Stage 2B
23A0171	2 Sediment	EPA Stage 2B
23A0206	1 Sediment	EPA Stage 2B
23A0207	3 Sediment	EPA Stage 2B
23A0295	2 Sediment	EPA Stage 2B
23A0313	1 Sediment	EPA Stage 2B
23A0326	3 Sediment	EPA Stage 2B
23A0328	3 Sediment	EPA Stage 2B
23A0417	3 Sediment	EPA Stage 2B
23A0418	3 Sediment	EPA Stage 2B
23A0419	5 Sediment	EPA Stage 2B
23A0420	3 Sediment	EPA Stage 2B
23A0455	4 Sediment	EPA Stage 2B
23A0467	1 Sediment	EPA Stage 2B
23C0071	1 Sediment	EPA Stage 2B
23C0109	1 Sediment	EPA Stage 2B
23D0008	1 Sediment	EPA Stage 2B
23D0063	2 Sediment	EPA Stage 2B
23D0136	1 Sediment	EPA Stage 2B
23D0393	7 Sediment	EPA Stage 2B
23D0394	2 Sediment	EPA Stage 2B
23E0219	4 Sediment	EPA Stage 2B
23F0143	4 Sediment	EPA Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG 23C0109: The laboratory report was missing the standard reference material (SRM) summary forms and total quantitation reports and the EDD was missing the SRM data. The laboratory was contacted and submitted the missing information.

SDG 23A0099: The SRM for batch BLA0398 was analyzed as required. The data was not included in the PDF or EDD for this SDG. The laboratory submitted a revised PDF and EDD.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory quality control sample results were also verified (10%).

SDG 23E0219: Sample LDW23-SS1815 was analyzed at a 1x and re-analyzed at a 10x due to the high concentrations of 1,2,3,4,6,7,8-HpCDF and OCDD. All results from both analyses were reported in the PDF. For the EDD, all results from the 1x analysis were reported but only 1,2,3,4,6,7,8-HpCDF and OCDD results were reported from the 10x. All results that should be reported are included in the EDD.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table.

1	Sample Receipt, Preservation, and Holding Times	2	Laboratory Duplicates
✓	System Performance and Resolution Checks	2	Standard Reference Material
✓	Initial Calibration (ICAL)	1	Field Duplicates
2	Calibration Verification (CV)	✓	Target Analyte List
2	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	2	Compound Identification
2	Labeled Compound Recovery	2	Compound Quantitation
2	Ongoing Precision and Recovery (OPR)	✓	Reported Results
1	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification (Full DV only)

✓ Method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control results are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, Holding Times

The validation guidance documents state that the cooler temperatures should be within an advisory temperature range of 2° to 6°C. With the following exception noted below, the laboratory received the sample coolers within the advisory temperature range.

SDG 23A0171: Samples from this SDG were originally received in SDG 22L0198 and archived. Dioxin analyses were not originally requested on the chain-of-custody (COC). The dioxin analyses were requested by the client and were pulled from frozen archive and logged in under this SDG.

SDGs 23A0417, 23A0418: Samples were received by the laboratory on ice at 6.9°C. Samples were received at the laboratory the same day as collection; samples did not have time to chill to < 6°C. Samples were immediately stored frozen at <-18°C. Data judged to not be significantly impacted by the temperature outlier. No action was taken.

Calibration Verification

Calibration verification (CV) standards were analyzed at the proper frequency. Outliers requiring qualification are noted below.

SDGs 23A0133, 23A0134, 23A0207: For the CV standard analyzed on 2/24/23 at 02:43, the %D value for 1,2,3,6,7,8-HxCDF was less than the lower control limit; results in the associated samples were estimated (J-5BL).

SDGs 23A0158, 23A0295, 23A0420, 23A0455: For the calibration verification standard analyzed on 3/15/23 at 17:48, the %D value for 1,2,3,4,7,8-HxCDF was less than the lower control limit; results in the associated samples were estimated (J-5BL).

SDGs 23A0417, 23A0418, 23A0419, 23A0420: For the calibration verification standards analyzed on 3/13/23 at 21:53 and 04:32, the %D values for 1,2,3,4,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, and 1,2,3,4,6,7,8-HpCDF were less than the lower control limits; results in the associated samples were estimated (J/UJ-5BL).

SDG 23A0467: For the calibration verification standard associated with samples analyzed 3/10/23 at 16:56, the %D values for 1,2,3,4,7,8-HxCDF and 1,2,3,7,8,9-HxCDF were less than the lower control limits; results in the associated samples were estimated (J-5BL).

Laboratory Blanks

Method blanks were analyzed at the appropriate frequency. To assess the impact of any blank contaminant on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U-7). No action is taken if the sample result is greater than the action level, or for non-detected results.

The laboratory assigned EMPC-flags to values when a peak was detected but did not meet ion abundance identification criteria. These values are "estimated maximum possible concentrations". When these occurred in the method blank and were less than the reporting limit (RL), the results were considered as false positives, and no action levels were established for these analytes. EMPC values greater than the RL in the method blank were considered positive results, and action levels were established.

SDGs 22L0383, 22L0417, 22L0459: For Batch BLA0079, there were positive results for OCDD, OCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDD, and 1,2,3,7,8,9-HxCDD in the method blank. All associated sample results were greater than the 5x action levels; no data were qualified.

SDGs 23A0031, 23A0032, 23A0087: For Batch BLA0256, there were positive results for 1,2,3,4,6,7,8-HpCDD and 1,2,3,6,7,8-HxCDF in the method blank. Associated sample results less than the 5x action levels were qualified as not detected (U-7).

SDGs 23A0100, 23A0133, 23A0134: There were positive results for OCDD, 1,2,3,7,8,9-HxCDF, 1,2,3,4,7,8-HxCDF, and 1,2,3,7,8,9-HxCDD in the method blank, BLA0261-BLK1. All associated sample results less than the 5x action levels were qualified as not detected (U-7).

SDGs 23A0158, 23A0171, 23A0206: For method blank BLC0136-BLK, there were positive results for OCDD and 1,2,3,4,6,7,8-HpCDD. All associated sample results were greater than the 5x action level; no data were qualified.

SDGs 23A0207, 23A0261: For method blank BLA0261-BLK, there were positive results for 1,2,3,4,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 1,2,3,7,8,9-HxCDD, and OCDD. All positive results in the associated samples were greater than the 5x action level; no data were qualified.

SDGs 23A0295, 23A0417, 23A0418, 23A0419, 23A0420, 23A0455: For method blank BLB0228-BLK, there were positive results for 1,2,3,4,6,7,8-HpCDD and OCDD. All positive results in the associated samples were greater than the 5x action level; no data were qualified.

SDGs 23A0099, 23A0295, 23A0313, 23A0326, 23A0328: For method blank BLA0398-BLK, there was a positive result for OCDD. All positive results in the associated samples were greater than the 5x action level; no data were qualified.

SDG 23D0008: For method blank BLD0089-BLK2, there were positive results for 1,2,3,4,6,7,8-HpCDD and OCDD. All positive results in the associated samples were greater than the 5x action level; no data were qualified.

SDGs 23D0063, 23D0136: For method blank BLD0657-BLK2, there was a positive result for OCDD. All positive results in the associated samples were greater than the 5x action level; no data were qualified.

SDGs 23D0393, 23D0394: For method blank BLD0710-BLK2, there were positive results for 1,2,3,4,6,7,8-HpCDD and OCDD. All positive results in the associated samples were greater than the 5x action level; no data were qualified.

SDG 23E0219: For method blank BLE0530-BLK1, there was a positive result for OCDD. All positive results in the associated samples were greater than the 5x action level; no data were qualified.

SDG 23F0143: For method blank BLF0318-BLK2, there were positive results for 1,2,3,4,6,7,8-HpCDD, OCDF, and OCDD. All positive results in the associated samples were greater than the 5x action levels; no data were qualified.

Field Blanks

No field blanks were submitted.

Labeled Compound Recovery

Labeled compounds were added to all field and laboratory QC samples. When the labeled compound percent recovery (%R) values were less than the lower control limits, associated results were estimated (J/UJ-13L). When the labeled compound %R values were greater than the upper control limit, only the positive results were estimated (J-13H).

SDG 23A0031: For Ongoing Precision and Recovery (OPR) Sample BLA0256-BS1, the %R value for C13-1,2,3,6,7,8-HxCDF was greater than the upper control limit. No qualifiers are assigned to laboratory quality control (QC) samples.

SDG 23A0032: For Samples LDW23-IT1272 and LDW23-IT1235, the %R values for C13-1,2,3,6,7,8-HxCDF were greater than the upper control limit. Results for the associated native analyte were qualified as not detected based on method blank contamination and EMPC values; no qualifiers were assigned. For Ongoing Precision and Recovery (OPR) Sample BLA0256-BS1, the %R value for C13-1,2,3,6,7,8-HxCDF was greater than the upper control limit. No qualifiers are assigned to laboratory QC samples.

SDG 23A0087: For Ongoing Precision and Recovery (OPR) Sample BLA0256-BS1, the %R value for C13-1,2,3,6,7,8-HxCDF was greater than the upper control limit. No qualifiers are assigned to laboratory QC samples.

SDG 23A0100, 23A0133, 23A0134: For Samples BLA0261-BS1 and BLA0261-BLK1, the %R values for several labeled compounds were greater than the upper control limits. No qualifiers are assigned to laboratory QC samples.

SDG 23A0207: Several laboratory QC samples had one or more labeled compound outliers; no qualifiers are assigned for laboratory QC sample outliers. For Sample LDW23-IT1097, the %R value for 13C12-1,2,3,6,7,8-HxCDF was greater than the upper control limit; the associated native result was estimated (J-13H).

SDG 23D0393: A laboratory QC sample had one labeled compound outlier; no qualifiers are assigned for laboratory QC sample outliers. For Sample LDW23-SS1223, the %R values for 13C12-1,2,3,4,7,8-HxCDF, 13C12-1,2,3,7,8,9-HxCDF, 13C12-1,2,3,4,7,8-HxCDD, and 13C12-1,2,3,4,6,7,8-HpCDF were less than the lower control limits; results for the associated native compounds were estimated (J/UJ-13L).

Ongoing Precision and Recovery

Ongoing precision and recovery (OPR) standards were analyzed at the proper frequency. With the following exceptions, all recovery values were within the control limits.

SDGs 23A0100, 23A0133, 23A0134: For OPR Sample BLA0261-BS1, the recovery value for 1,2,3,6,7,8-HxCDF was less than the lower control limit; results in associated samples were estimated (J-10L).

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) analyses are not required for this method. Accuracy was assessed using labeled compound recoveries and laboratory control samples. Precision was evaluated using the laboratory and field duplicate analyses.

Laboratory Duplicates

One sample from each laboratory batch was extracted and analyzed in duplicate. The relative percent difference (RPD) control limit is 25% for results greater than five times the reporting limit (RL). For results less than 5x the RL, the control limit for the difference between the sample and duplicate is 2x the RL. With the exceptions noted below, RPD and difference values were within the acceptance criteria. Qualifiers are only applied to the parent and laboratory duplicate sample.

SDGs 22L0383, 22L0417, 22L0459: For Batch BLA0079, Sample LDW23-SC1191B from SDG 22L0383 was analyzed as the laboratory duplicate sample. The RPD values for 1,2,3,4,6,7,8-HpCDD, 1,2,3,6,7,8-HxCDD, OCDD, Total HpCDD, Total PeCDF, and Total TCDF were greater than the control limit; the results for these analytes in the parent and laboratory duplicate samples were estimated (J-9).

SDG 23A0031, 23A0032, 23A0087: For Batch BLA0256, Sample LDW23-SS1191 from SDG 23A0031 was analyzed as the laboratory duplicate sample. The RPD values for 1,2,3,4,6,7,8-HpCDF, OCDF, Total HpCDF, and Total PeCDF were greater than the control limit; results for these analytes were estimated (J-9) in the parent and laboratory duplicate samples.

SDGs 23A0099, 23A0295, 23A0313, 23A0326, 23A0328: For Batch BLA0398, Sample LDW23-IT1154 from SDG 23A0099 was analyzed as the laboratory duplicate sample. The RPD value for Total PeCDD was greater than the control limit; the results were estimated (J-9) in the parent and laboratory duplicate samples.

SDG 23A0158, 23A0171, 23A0206: For Batch BLC0136, Sample LDW23-SS1222 from SDG 23A0158 was analyzed as the laboratory duplicate sample. The RPD values for 1,2,3,6,7,8-HxCDF, OCDD, OCDF, and total PeCDF were greater than the control limit; the results were estimated (J-9) in the parent and laboratory duplicate samples. The difference values for 2,3,4,6,7,8-HxCDF and total PeCDD were greater than the control limit; the results were estimated (J-9) in the parent and laboratory duplicate samples.

SDGs 23A0295, 23A0417, 23A0419, 23A0420, 23A0455: For Batch BLB0228, Sample LDW23-SS1127 from SDG 23A0417 was analyzed as the laboratory duplicate sample. The RPD value for Total TCDF was greater than the control limit; the associated parent and laboratory duplicate results were estimated (J-9).

SDG 23C0071: For Batch BLC0379, Sample LDW23-SS1037 was analyzed as the laboratory duplicate sample. The RPD values for OCDF and total HpCDF were greater than the control limit; the associated parent and laboratory duplicate results were estimated (J-9).

SDG 23D0008: For Batch BLD0089, Sample LDW23-SS1816 was analyzed as the laboratory duplicate sample. The following outliers required qualification. Qualifiers were assigned to the parent and laboratory duplicate samples:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDD	RPD	J-9
1,2,3,4,6,7,8-HpCDF	RPD	J-9
1,2,3,6,7,8-HxCDD	RPD	J-9
OCDD	RPD	J-9
OCDF	RPD	J-9
Total HpCDD	RPD	J-9
Total HpCDF	RPD	J-9
Total HxCDD	RPD	J-9
Total PeCDD	Difference	J-9
Total PeCDF	RPD	J-9

SDG 23D0063, 23D0136: For Batch 23D0136, Sample LDW23-SS1818 from SDG 23D0063 was analyzed as the laboratory duplicate sample. The following outliers required qualification. Qualifiers were assigned to the parent and laboratory duplicate samples:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDD	RPD	J-9
1,2,3,4,6,7,8-HpCDF	RPD	J-9
1,2,3,4,7,8,9-HpCDF	Difference	J-9
1,2,3,4,7,8-HxCDF	RPD	J-9
1,2,3,6,7,8-HxCDD	RPD	J-9
OCDD	RPD	J-9
OCDF	RPD	J-9
Total HpCDD	RPD	J-9
Total HpCDF	RPD	J-9
Total HxCDF	RPD	J-9
Total PeCDD	RPD	J-9
Total PeCDF	RPD	J-9

SDG 23D0393, 23D0394: For Batch BLD0710, Sample LDW23-SS1223 from SDG 23D0393 was analyzed as the laboratory duplicate sample. The following outliers required qualification. Qualifiers were assigned to the parent sample and laboratory duplicate sample results:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,4,6,7,8-HpCDD	RPD	J-9
1,2,3,6,7,8-HxCDD	Difference	J-9
1,2,3,7,8,9-HxCDD	Difference	J-9
1,2,3,7,8-PeCDD	Difference	J-9
2,3,4,6,7,8-HxCDF	Difference	J-9
2,3,7,8-TCDF	Difference	J/UJ-9
Total HpCDD	RPD	J-9
Total HxCDD	RPD	J-9
Total HxCDF	RPD	J-9
Total PeCDD	RPD	J-9
Total PeCDF	RPD	J-9
Total TCDF	RPD	J-9

SDG 23D0393: For Batch BLE0177, Sample LDW23-IT1223 was analyzed as the laboratory duplicate sample. The following outliers required qualification. Qualifiers were assigned to the parent sample and laboratory duplicate sample results:

ANALYTE	OUTLIER TYPE	QUALIFIER
1,2,3,6,7,8-HxCDD	RPD	J-9
2,3,4,7,8-PeCDF	RPD	J-9
2,3,7,8-TCDF	RPD	J-9
OCDD	RPD	J-9
Total HxCDD	RPD	J-9
Total PeCDD	RPD	J-9

SDG 23E0219: Sample LDW23-SS1035 was analyzed as the laboratory duplicate sample. The RPD value for total TCDD was greater than the control limit; the associated parent and laboratory duplicate results were estimated (J-9).

SDG 23F0143: For Batch BLF0318, Sample LDW23-SC1226A was analyzed as the laboratory duplicate sample. The RPD values for total PeCDF and the difference value for total TCDF were greater than the control limits; the associated parent and laboratory duplicate results were estimated (J-9).

Standard Reference Material

The Puget Sound Reference Material was analyzed with each batch. With the following exceptions, all recoveries for analytes with true values greater than the reporting limit were within the advisory limits of 50% – 150%.

SDGs 23A0158, 23A0171, 23A0206: For batch BLC0136, the 2,3,7,8-TCDF recovery was less than the lower control limit; associated field sample results were estimated (J/UJ-12L).

SDGs 23C0071, 23C0109: For batch BLC0379, the recovery values for 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, and 1,2,3,7,8-PeCDD, were greater than the upper control limit; positive results in the associated samples were estimated (J-12H). The recovery value for and 1,2,3,7,8,9-HxCDF was also greater than the upper control limit, but the true value was less than the reporting limit; therefore, no qualifiers were assigned.

SDG 23D0393: For Batch BLE0177, the SRM recovery values for 1,2,3,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, and 1,2,3,6,7,8-HxCDF were greater than the upper control limit; positive results in the associated samples were estimated (J-12H). The recovery value for and 1,2,3,7,8,9-HxCDF was also greater than the upper control limit, but the true value was less than the reporting limit; therefore, no qualifiers were assigned.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the RL. For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL. No data were qualified based on field duplicate precision outliers. Users of the data should consider the impact of field precision outliers on the reported results.

SDG 22L0383: Samples LDW23-SC1191B and LDW23-SC1191B-FD were submitted as field duplicates. Field precision was acceptable.

SDG 23A0031: Two sets of field duplicates were submitted.

- LDW23-SS1191 & LDW23-SS1191-FD, the difference value for Total PeCDD was greater than the control limit.
- LDW23-SS1143 & LDW23-SS1143-FD: field precision was acceptable.

SDG 23A0087: Samples LDW23-SS1212 and LDW23-SS1212-FD were submitted as field duplicates. The RPD value for total HpCDF was greater than the control limit.

SDG 23A0099: Two sets of field duplicates were submitted:

- For set LDW23-SC1186 & LDW23-SC1186-FD, the difference value for Total PeCDD was greater than the control limit.

- For set LDW23-IT1160 & LDW23-IT1160-FD, the RPD values for the following analytes were greater than the control limit:

1,2,3,4,7,8,9-HpCDF	1,2,3,7,8,9-HxCDF
1,2,3,4,7,8-HxCDD	2,3,4,6,7,8-HxCDF
1,2,3,4,7,8-HxCDF	OCDF
1,2,3,6,7,8-HxCDF	Total HpCDF
1,2,3,7,8,9-HxCDD	Total TCDD

Compound Identification

The method requires the confirmation of 2,3,7,8-TCDF detects using an alternate GC column. The DB5 column that is typically used cannot fully separate 2,3,7,8-TCDF from closely eluting non-target TCDF isomers. The laboratory uses an RTX-Dioxin2 column which adequately separates 2,3,7,8-TCDF from TCDF isomers. Confirmation analyses were not necessary.

The laboratory reported EMPC, or "estimated maximum possible concentrations", when a peak was detected but did not meet the ion abundance identification criteria as required by the method. EMPC values less than the reporting limit (RL) were qualified as not detected (U-25). EMPC values greater than the RL and homolog group EMPC values were estimated (J-25).

The laboratory assigned "X" flags to several of the reported results to indicate that diphenyl ether interference was present, which may result in a high bias to the reported result. All results that were X-flagged by the laboratory were estimated (J-23H or UJ-23).

SDG 23A0031: The laboratory assigned [1] flags in the EDD when a result was flagged with "X, EMPC, J" in the PDF. In these cases, the results were qualified as not detected (U-25).

SDG 23A0207: The laboratory assigned a [1] flag in the EDD when a result was flagged with "B, EMPC, J" in the PDF. In this case, the result was qualified as not detected (U-25).

Compound Quantitation

SDGs 22L0417, 22L0459, 23A0032, 23A0133, 23A0099, 23A0207, 23C0109: The laboratory assigned "E" flags to several of the reported results to indicate a response that exceeded the calibration range of the instrument. All results that were E-flagged by the laboratory were estimated (J-20).

SDG 23E0219: Sample LDW23-SS1815 was analyzed at a 1x and re-analyzed at a 10x due to the high concentrations of 1,2,3,4,6,7,8-HpCDF and OCDD. All results from both analyses were reported in the PDF. For the EDD, all results from the 1x analysis were reported but only 1,2,3,4,6,7,8-HpCDF and OCDD results were reported from the 10x. Results for 1,2,3,4,6,7,8-HpCDF and OCDD in the 1x analysis were qualified as do-not-report (DNR-20).

Calculation Verification

SDG 23A0031, 23A0032: Several results were verified by recalculation from the raw data. No calculation or transcription errors were found.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory performed the specified analytical method. With the exceptions noted above, accuracy was acceptable as demonstrated by the labeled compound, SRM, and OPR recoveries and precision was acceptable as indicated by the laboratory and field duplicate RPD values.

Reporting limits were elevated due to method blank contamination. EMPC values that were less than the RL were flagged as not detected. EMPC values greater than the reporting limit were estimated. Data were also estimated due to calibration verification outliers, labeled compound and OPR accuracy outliers, laboratory duplicate precision outliers, calibration range exceedances, standard reference material accuracy outliers, and matrix interferences.

Data were flagged as do-not-report (DNR) to indicate which results should not be used from multiple reported analyses.

Data qualified DNR should not be used. All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW AOC5 MR Phase 1
Semivolatile Organic Compounds (SVOC)
by EPA SW8270E

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Analytical Resources, LLC (ARL), Tukwila, Washington. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
22L0383	8 Sediment	EPA Stage 2B
22L0417	9 Sediment	EPA Stage 2B
22L0459	7 Sediment	EPA Stage 2B
23A0031	21 Sediment	EPA Stage 4
23A0032	3 Sediment	EPA Stage 2B
23A0087	15 Sediment	EPA Stage 4
23A0088	10 Sediment	EPA Stage 2B
23A0099	12 Sediment	EPA Stage 2B
23A0100	23 Sediment	EPA Stage 2B
23A0133	12 Sediment	EPA Stage 2B
23A0134	14 Sediment	EPA Stage 2B
23A0157	10 Sediment	EPA Stage 2B
23A0158	13 Sediment	EPA Stage 2B
23A0171	4 Sediment	EPA Stage 2B
23A0179	12 Sediment	EPA Stage 2B
23A0180	4 Sediment	EPA Stage 2B
23A0206	14 Sediment	EPA Stage 2B
23A0249	6 Sediment	EPA Stage 2B
23B0229	6 Sediment	EPA Stage 2B
23B0276	1 Sediment	EPA Stage 2B
23A0295	9 Sediment	EPA Stage 2B
23A0313	5 Sediment	EPA Stage 2B
23A0326	7 Sediment	EPA Stage 2B
23A0328	11 Sediment	EPA Stage 2B
23A0417	15 Sediment	EPA Stage 2B
23A0418	15 Sediment	EPA Stage 2B
23A0419	12 Sediment	EPA Stage 2B
23A0420	4 Sediment	EPA Stage 2B
23A0455	18 Sediment	EPA Stage 2B
23A0467	9 Sediment	EPA Stage 2B
23C0071	6 Sediment	EPA Stage 2B
23C0108	5 Sediment	EPA Stage 2B

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
23C0109	2 Sediment	EPA Stage 2B
23C0752	5 Sediment	EPA Stage 2B
23C0774	14 Sediment	EPA Stage 2B
23D0008	2 Sediment	EPA Stage 2B
23D0037	2 Sediment	EPA Stage 2B
23D0063	2 Sediment	EPA Stage 2B
23D0136	2 Sediment	EPA Stage 2B
23D0393	16 Sediment	EPA Stage 2B
23D0394	9 Sediment	EPA Stage 2B
23D0396	2 Sediment	EPA Stage 2B
23E0009	4 Sediment	EPA Stage 2B
23E0219	7 Sediment	EPA Stage 2B
23F0143	12 Sediment	EPA Stage 2B
23H0221	2 Sediment	EPA Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDGs 23A0100, 23A0419: For the low-level continuing calibration standard analyzed on 3/13/23 at 05:15, several analytes were reported as not detected. The laboratory manually integrated the peaks and submitted a revised EDD for SDG 23A0419.

For SDG 23A0100, the information included in the revised PDF for SDG 23A0419 was used for validation. A revised PDF was not requested for 23A0100.

SDG 23A0206: Continuing calibration standard SLC0132-CCV1 is the same standard as SLC0136-ICV1 (analyzed 3/3/23 at 05:36). In the PDF, the peak for indeno(1,2,3-cd) was manually integrated in the SLC0136-ICV1 version but not in the SLC0132-CCV1 version. The laboratory submitted a revised PDF.

SDGs 23A0249, 23A0295: The laboratory report was missing the calibration verification standard from the 3/3/23 18:27 analyses. The laboratory was contacted and submitted the missing documentation.

SDG 23C0109: Results for a standard addition spike, BLC0185-MS4, were inadvertently included in the PDF and EDD. The laboratory analyzed this standard for internal confirmation. This standard was not used to evaluate the samples in this SDG. The results for BLC0185-MS4 were qualified as do-not-report (DNR-14) in the EDD.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory quality control sample results were also verified (10%).

SDG 23C0109: Sample LDW23-SS1104 was originally extracted on 3/9/23 and analyzed on 3/23/23. The results of this analysis indicated that the sample had been impacted during the extraction/cleanup process. The sample was re-extracted on 4/17/23 and re-analyzed on 5/1/23. The results from the re-extraction should be used. Results from the initial extraction were qualified as do-not-report (DNR-11) in the EDD. The results from the initial extraction were not reported in the PDF but were included in the EDD. No action was taken since the results are not being used.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table:

2	Sample Receipt, Preservation, and Holding Times	1	Field Duplicates
✓	GC/MS Instrument Performance	✓	Target Analyte List
2	Initial Calibration (ICAL)	2	Internal Standards
2	Continuing Calibration (CCAL)	2	Certified Reference Material
2	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	2	Reported Results
2	Surrogate Compounds	2	Compound Identification
2	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)		

✓ *Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.*

¹ *Quality control results are discussed below, but no data were qualified.*

² *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

Sample Receipt, Preservation, Holding Times

All samples arrived within the advisory temperature range of $\leq 6^{\circ}\text{C}$. Samples were stored frozen upon receipt at the laboratory.

SDG 23A0087: Sample LDW23-SS1228 was re-analyzed past the 40-day holding time at 58 days due to concentrations that exceeded the calibration range of the instrument. Sample results reported from the reanalysis were estimated (J-1).

SDG 23A0088: For Samples LDW23-SC1265, LDW23-SC1247, LDW23-SC1270, LDW23-SC1276, the identification portion "SC" was missing from the chains-of-custody (COC). The client confirmed "SC" should be included and was added during login.

SDG 23A0179, 23A0180: Samples were originally extracted in batch BLA0557. There was a positive result for phenol in the method blank that was greater than the reporting limit, requiring a

re-extraction of all samples. The re-extraction was performed within the required one-year holding time for samples stored frozen. Sample results were reported from the re-extraction (batch BLC0442) only.

SDGs 23A0417, 23A0418: Samples were received by the laboratory on ice at 6.9°C. Samples were received at the laboratory the same day as collection; samples did not have time to chill to < 6°C. Samples were immediately stored frozen at <-18°C. Data judged to not be significantly impacted by the temperature outlier. No action was taken.

SDG 23D0136: Sample LDW23-SS1803 was not listed on the original COC. The laboratory contacted the client and revised the COC.

SDG 23D0394: For Sample LDW23-SS1098, benzyl alcohol was reported from the 8270E analysis rather than the 8270E-SIM analysis.

For Samples LDW23-IT1806 and LDW23-IT1807, cPAH analytes were reported from the 8270E analyses rather than the 8270E-SIM analyses.

SDG 23D0396: For both samples, benzyl alcohol was reported from the 8270E analysis rather than the 8270E-SIM analysis.

SDG 23E0009: For Sample LDW23-SS1820, the identification portion "SS" was listed as "SC" on the COC. The client confirmed "SS" should be used during login.

Initial Calibration

Initial calibrations (ICAL) were analyzed at the proper frequency. All sensitivity and stability criteria were met. With the noted exceptions, second source calibration verification (SCV) standards were analyzed at the required frequency. With the noted exceptions, the percent drift (%D) values were within the method limit of ±30%.

SDG 22L0383, 22L0417, 22L0459: For ICAL GA00072, the SCV standard %D value for 4-methylphenol was less than the lower control limit indicating a potential low bias; results for 4-methylphenol in the associated samples were estimated (J/UJ-5CL).

SDG 23A0206, 23A0249, 23A0295, 23A0313, 23A0326: For the SCV associated with ICAL GC00019, most surrogate compounds were not detected in the SCV analysis. All %D values for target analytes were within control limits, and the continuing calibration standards bracketing the field samples contained the surrogate analytes; no action was taken.

Continuing Calibration

A continuing calibration verification (CCV) standard was analyzed at the required frequency. With the noted exceptions, the percent drift (%D) values were within the criteria of ±20% (±50% for low level CCV). When the CCAL %D values indicate a potential low bias, associated results are estimated (J/UJ-5BL). Only the associated positive results are estimated (J-5BH) if the %D value indicates a potential high bias.

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
22L0383 22L0417	NT14	1/31/23 @ 21:16	Fluoranthene	High	J-5BH
			Pyrene	High	J-5BH
		2/1/23 @ 5:43	Fluoranthene	High	J-5BH
			Pyrene	High	J-5BH
22L0459	NT14	2/3/23 @ 23:57	Fluoranthene	High	J-5BH
			Pyrene	High	J-5BH
			Phenol	Low	J/UJ-5BL
23A0031	NT10	2/8/23 @ 07:24	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0031	NT10	2/8/23 @ 17:36	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0031	NT10	2/8/23 @ 18:14 (low level)	Benzo(g,h,i)perylene	Low	J/UJ-5BL
		2/8/23 @ 23:57	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0031	NT10	2/9/23 @ 13:31	Fluorene	Low	J/UJ-5BL
		2/10/23 @ 01:09	Fluorene	Low	J/UJ-5BL
			Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
23A0087	NT10	2/11/23 @ 02:59	Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0087 23A0088	NT10	2/11/23 @ 02:59	Benzo(g,h,i)perylene	Low	J/UJ-5BL
	NT10	2/11/23 @ 11:56	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
23A0099	NT18	2/12/23 @ 07:19	Fluoranthene	High	J-5BH
			Pyrene	High	J-5BH
			Butylbenzylphthalate	High	J-5BH
			Total Benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0099	NT18	2/14/23 09:50	Indeno(1,2,3-cd)pyrene	High	J-5BH
			Dibenzo(a,h)anthracene	High	J-5BH
			Benzo(g,h,i)perylene	High	J-5BH
23A0099	NT18	2/17/23 @ 08:32	Benzo(g,h,i)perylene	High	J-5BH
23A0088 23A0171	NT14	2/17/23 @ 11:18	Bis(2-ethylhexy) phthalate	Low	J/UJ-5BL
		2/17/23 @ 20:19	Bis(2-ethylhexy) phthalate	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0100 23A0171	NT14	2/17/23 @ 20:19	Bis(2-ethylhexy) phthalate	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		2/18/23 @ 06:30	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0031 23A0032 23A0087	NT18	2/19/23 @ 12:57	Indeno(1,2,3-cd) pyrene	High	J-5BH
			Dibenzo(a,h)anthracene	High	J-5BH
			Benzo(g,h,i)perylene	High	J-5BH
	NT18	2/20/23 @ 01:01	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0100	NT18	2/20/23 @ 01:01	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		2/20/23 03:01 (low level)	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		2/20/23 16:28	Fluoranthene	High	J-5BH
			Butylbenzylphthalate	High	J-5BH
			Total benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
23A0088 23A0171	NT14	2/21/23 @ 13:44	Bis(2-ethylhexy) phthalate	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	High	J-5BH
		2/21/23 @ 23:06	Bis(2-ethylhexyl) phthalate	Low	J/UJ-5BL
23A0100 23A0171	NT14	2/21/23 @ 23:06	Bis(2-ethylhexyl) phthalate	Low	J/UJ-5BL
23A0157	NT14	2/23/23 @ 13:04	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0134	NT18	2/27/23 @ 04:36	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Total benzofluoranthenes	High	J-5BH
23A0134	NT18	2/27/23 @ 17:03	Butyl benzyl phthalate	High	J-5BH
		2/28/23 @ 13:15	Fluoranthene	High	J-5BH
			Butylbenzylphthalate	High	J-5BH
			Total benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0158	NT18	3/1/23 @ 07:44	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Butylbenzylphthalate	High	J-5BH
			Total Benzofluoranthenes	High	J-5BH
			Fluoranthene	High	J-5BH
23A0158	NT18	3/1/23 @ 07:44	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Butylbenzylphthalate	High	J-5BH
			Total Benzofluoranthenes	High	J-5BH
			Fluoranthene	High	J-5BH
		3/1/23 @ 09:05 (low level 0.2)	Butylbenzylphthalate	High	J-5BH
			Total Benzofluoranthenes	High	J-5BH
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/1/23 @ 10:27 (low level 0.5)	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
Benzo(g,h,i)perylene	Low		J/UJ-5BL		

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
		3/1/23 @ 15:50	Butylbenzylphthalate	High	J-5BH
			Fluoranthene	High	J-5BH
			Pyrene	High	J-5BH
			Total benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0206	NT10	3/2/23 @ 22:38	Butylbenzylphthalate	Low	J/UJ-5BL
23A0206	NT10	3/2/23 @ 22:38	Butylbenzylphthalate	Low	J/UJ-5BL
		3/3/23 @ 05:36	Butylbenzylphthalate	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0206	NT10	3/3/23 @ 05:36	Butylbenzylphthalate	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/3/23 @ 11:18	Butylbenzylphthalate	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
23A0249 23A0295	NT10	3/4/23 @ 02:02	Acenaphthylene	Low	UJ-5BL
		3/4/23 @ 09:39	Butylbenzylphthalate	Low	J/UJ-5BL
			Total Benzofluoranthenes	Low	J/UJ-5BL
23A0313 23A0326	NT10	3/5/23 @ 14:03	Butylbenzylphthalate	Low	J/UJ-5BL
		3/5/23 @ 15:18	Butylbenzylphthalate	Low	J/UJ-5BL
		3/5/23 @ 21:38	Butylbenzylphthalate	Low	J/UJ-5BL
23A0313 23A0326	NT10	3/5/23 @ 21:38	Butylbenzylphthalate	Low	J/UJ-5BL
		3/6/23 @ 04:32	Butylbenzylphthalate	Low	J/UJ-5BL
23A0326	NT10	3/6/23 @ 04:32	Butylbenzylphthalate	Low	J/UJ-5BL
		3/6/23 @ 10:49	Butylbenzylphthalate	Low	J/UJ-5BL
23A0328	NT18	3/6/23 @ 23:56	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/7/23 @ 01:17 (low level)	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
		3/7/23 @ 08:00	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Total Benzofluoranthenes	High	J-5BH
23A0328	NT18	3/7/23 @ 08:00	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Total Benzofluoranthenes	High	J-5BH
		3/7/23 @ 09:21 (low level)	Total Benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
		3/7/23 @ 14:05	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Total Benzofluoranthenes	High	J-5BH
23A0328	NT18	3/7/23 @ 14:05	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Total Benzofluoranthenes	High	J-5BH
		3/7/23 @ 15:26 (low level)	Fluoranthene	High	No action. Sample Conc >> Low Level Standard
			Pyrene	High	
			Total Benzofluoranthenes	High	
		3/7/23 @ 20:10	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0087	NT18	3/9/23 @ 05:37	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/9/23 @ 06:58 (low level)	Indeno(1,2,3-cd) pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/9/23 @ 11:40	Total Benzofluoranthenes	High	J-5BH

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
23A0417	NT10	3/11/23 @ 17:16	Phenol	Low	J/UJ-5BL
			4-methylphenol	Low	J/UJ-5BL
		3/11/23 @ 18:32 (low level)	4-methylphenol	Low	J/UJ-5BL
			3/12/23 @ 1:27	Phenol	Low
		4-methylphenol		Low	J/UJ-5BL
		Fluoranthene		Low	J/UJ-5BL
		Pyrene	Low	J/UJ-5BL	
23A0100	NT18	3/12/23 17:06	Naphthalene	High	J-5BH
		3/13/23 03:54	Naphthalene	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23A0100 23A0419	NT18	3/13/23 03:54	Phenol	Low	J/UJ-5BL
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Total Benzofluoranthenes	High	J-5BH
		3/13/23 05:15 (low level)	Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Total Benzofluoranthenes	High	J-5BH
		3/13/23 @ 14:41	Naphthalene	High	J-5BH
			Total Benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		23A0419	NT18	3/13/23 @ 14:41	Naphthalene
Total Benzofluoranthenes	High				J-5BH
Indeno(1,2,3-cd)pyrene	Low				J/UJ-5BL
Dibenzo(a,h)anthracene	Low				J/UJ-5BL
Benzo(g,h,i)perylene	Low				J/UJ-5BL
3/13/23 @ 16:02 (low level)	Total Benzofluoranthenes			High	J-5BH
	Indeno(1,2,3-cd)pyrene			Low	J/UJ-5BL
	Dibenzo(a,h)anthracene			Low	J/UJ-5BL
3/14/23 @ 01:27	Benzo(g,h,i)perylene			Low	J/UJ-5BL
	Naphthalene			High	J-5BH
	Total Benzofluoranthenes			High	J-5BH
	Indeno(1,2,3-cd)pyrene			Low	J/UJ-5BL
	Dibenzo(a,h)anthracene			Low	J/UJ-5BL
Benzo(g,h,i)perylene	Low			J/UJ-5BL	

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER		
23A0419	NT18	3/14/23 @ 20:11	Naphthalene	High	J-5BH		
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL		
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL		
			Benzo(g,h,i)perylene	Low	J/UJ-5BL		
		3/15/23 @ 06:54	Naphthalene	High	J-5BH		
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL		
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL		
			Benzo(g,h,i)perylene	Low	J/UJ-5BL		
23A0099 23B0229 23B0276 23A0417	NT14	3/17/23 @ 15:03	Benzo(g,h,i)perylene	Low	J/UJ-5BL		
		3/17/23 @ 23:31	Fluoranthene	High	J-5BH		
			Butylbenzylphthalate	High	J-5BH		
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL		
			Benzo(g,h,i)perylene	Low	J/UJ-5BL		
		3/18/23 @ 07:54	Fluoranthene	High	J-5BH		
			Pyrene	High	J-5BH		
			Butylbenzylphthalate	High	J-5BH		
			Bis(2-ethylhexyl) phthalate	High	J-5BH		
			Benzo(g,h,i)perylene	Low	J/UJ-5BL		
		23A0099 23B0229	NT14	3/18/23 @ 17:38	Butylbenzylphthalate	High	J-5BH
				3/19/23 @ 03:16	Fluoranthene	High	J-5BH
Pyrene	High				J-5BH		
Butylbenzylphthalate	High				J-5BH		
3/19/23 @ 11:04	Butylbenzylphthalate			High	J-5BH		
	Indeno(1,2,3-cd) pyrene			Low	J/UJ-5BL		
	Dibenzo(a,h)anthracene			Low	J/UJ-5BL		
	Benzo(g,h,i)perylene			Low	J/UJ-5BL		

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
23A0455	NT14	3/19/23 18:14	Fluoranthene	High	J-5BH
			Pyrene	High	J-5BH
			Butyl benzyl phthalate	High	J-5BH
		3/20/23 03:52	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/20/23 @ 05:04 (low level)	Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/20/23 14:25	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
Total Benzofluoranthenes	High		J-5BH		
23A0455	NT14	3/21/23 17:47	Fluoranthene	High	J-5BH
			bis(2-ethylhexyl)phthalate	High	J-5BH
		3/13/23 @ 19:00 (low level)	bis(2-ethylhexyl)phthalate	High	J-5BH
		3/22/23 00:26	Butyl benzyl phthalate	High	J-5BH
			bis(2-ethylhexyl)phthalate	High	J-5BH
23A0467	NT10	3/18/23 18:19	Fluorene	Low	J/UJ-5BL
		3/19/23 09:03	Benzo(g,h,i)perylene	Low	J/UJ-5BL
23C0108 23C0109	NT18	3/22/23 19:17 (low level)	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
		3/23/23 04:05	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/23/23 05:25 (low level)	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		3/23/23 09:27	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
Benzo(g,h,i)perylene	Low		J/UJ-5BL		
Total Benzofluoranthenes	High		J-5BH		
23A0179 23A0180	NT10	3/23/23 13:22	Benzo(g,h,i)perylene	Low	J/UJ-5BL

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
23C0774	NT10	4/19/23 11:08	Pyrene	Low	J/UJ-5BL
			Phenol	Low	J/UJ-5BL
		4/19/23 20:55	Fluoranthene	Low	J/UJ-5BL
23C0774 23D0008	NT10	4/19/23 20:55	Fluoranthene	Low	J/UJ-5BL
		4/20/23 07:41	Fluoranthene	Low	J/UJ-5BL
			Pyrene	Low	J/UJ-5BL
23C0752	NT10	4/20/23 07:41	Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Fluoranthene	Low	J/UJ-5BL
			Pyrene	Low	J/UJ-5BL
		4/20/23 17:12	Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Fluoranthene	Low	J/UJ-5BL
			Pyrene	Low	J/UJ-5BL
23C0109 23D0037 23D0063	NT14	5/2/23 00:21	Benzo(g,h,i)perylene	Low	J/UJ-5BL
			Total Benzofluoranthenes	High	J-5BH
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
23D0393	NT10	5/8/23 16:24	Benzo(a)anthracene	High	J-5BH
		5/9/23 04:01	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23D0394 23D0396	NT17	5/26/23 23:55	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23D0396	NT17	5/27/23 05:31	Benzo(g,h,i)perylene	Low	J-5BL
23E0009	NT17	6/1/23 23:52	Benzo(g,h,i)perylene	Low	J-5BL
		6/2/23 11:02	Benzo(g,h,i)perylene	Low	J-5BL
23E0219	NT17	6/5/23 13:53	Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		6/6/23 00:23	Total Benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Dibenzo(a,h)anthracene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
6/6/23 09:41	Total Benzofluoranthenes	High	J-5BH		

SDG	INSTRUMENT	CCAL DATE/TIME	ANALYTE	BIAS	QUALIFIER
23F0143	NT14	7/6/23 15:07	Indeno(1,2,3-cd)pyrene	High	J-5BH
			Dibenzo(a,h)anthracene	High	J-5BH
			Benzo(g,h,i)perylene	High	J-5BH
		7/7/23 02:11	Butyl benzyl phthalate	High	J-5BH
23F0143	NT14	7/7/23 02:11	Butylbenzylphthalate	High	J-5BH
		7/7/23 08:56	Total Benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23E0219	NT14	7/7/23 08:56	Total Benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
		7/7/23 16:23	Total Benzofluoranthenes	High	J-5BH
			Indeno(1,2,3-cd)pyrene	Low	J/UJ-5BL
			Benzo(g,h,i)perylene	Low	J/UJ-5BL
23F0143	NT14	7/11/23 17:32	Indeno(1,2,3-cd)pyrene	High	J-5BH
			Dibenzo(a,h)anthracene	High	J-5BH
			Benzo(g,h,i)perylene	High	J-5BH
		7/12/23 01:34	Indeno(1,2,3-cd)pyrene	High	J-5BH
			Dibenzo(a,h)anthracene	High	J-5BH
			Benzo(g,h,i)perylene	High	J-5BH

Laboratory Blanks

A method blank was analyzed at the required frequency of one per batch of 20 or fewer samples. Action levels were established at five times (5x) the concentration reported in the method blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U-7). No action is taken if the sample result is greater than the action level, or for non-detected results.

SDGs 22L0383, 22L0417: For batch BLA0055, the laboratory analyzed and reported the method blank four times. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. There were positive results for bis(2-ethylhexyl) phthalate and phenol in each of the reported analyses. Results in the associated samples that were less than the 5x action levels were qualified as not detected (U-7).

SDG 23A0031: For batch BLA0160, the laboratory analyzed and reported the method blank three times. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. There were positive results for bis(2-ethylhexyl) phthalate in each

of the reported analyses. Results in the associated samples were greater than the action levels; no qualifiers were assigned.

SDGs 23A0100, 23A0171: For batch BLA0339, there was a positive result for phenol. Results in the associated samples that were less than the 5x action level were qualified as not detected (U-7).

SDG 23A0158: For batch BLA0554, there were positive results for phenol and bis(2-ethylhexyl) phthalate. Results in the associated samples that were less than the 5x action levels were qualified as not detected (U-7).

SDG 23A0420: For batch BLB0495, there were positive results for 2-methylnaphthalene and naphthalene. Naphthalene was detected greater than the reporting limit. The client was informed. Since all naphthalene results in the field samples were less than the regulatory limit, samples were not re-extracted. All sample results for both analytes were less than the 5x action levels and were qualified as not detected (U-7).

SDG 23A0455: For batch BLA0498, the laboratory analyzed and reported the method blank three times. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. There was a positive result for bis(2-ethylhexyl)phthalate. Results in the associated samples that were less than the 5x action levels were qualified as not detected (U-7).

SDG 23C0071: For batch BLC0109, there was a positive result for phenol. Results in the associated samples that were less than the 5x action level were qualified as not detected (U-7).

SDGs 23C0109, 23D0037, 23D0063: For batch BLD0297, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. There was a positive result for phenol in the method blank. The phenol results in the associated samples were greater than the action levels; no qualifiers were assigned.

SDG 23C0752: For Batch BLD0008, there were positive results for phenol, naphthalene and bis(2-ethylhexyl)phthalate in the method blank. All field sample results less than the 5x action levels were qualified as not detected (U-7).

SDGs 23C0774, 23D0008: For Batch BLD0057, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. There was a positive result for phenol in the method blank. Field sample results less than the 5x action levels were qualified as not detected (U-7).

SDGs 23D0394, 23D0396: For Batch BLD0607, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. There were positive results for benzyl alcohol and naphthalene. Field sample results less than the 5x action levels were qualified as not detected (U-7).

SDG 23F0143: For Batch BLF0249, there was a positive result for phenol in the method blank. All field sample results less than the 5x action levels were qualified as not detected (U-7).

SDG 23H0221: For Batch BLH0180, there was a positive result for phenol in the method blank. All field sample results less than the 5x action levels were qualified as not detected (U-7).

Field Blanks

No field blanks were submitted.

Surrogate Compounds

Four acid and four base-neutral surrogate compounds (3 acid/3 base-neutral for some SDGs) were added to all field and laboratory QC samples. One outlier per acid and base/neutral fraction is allowed. When the surrogate percent recovery (%R) values were less than the lower control limits, associated results were estimated (J/UJ-13L). When the surrogate %R values were greater than the upper control limit, only the positive results were estimated (J-13H). If two or more surrogate %R values per fraction are less than 10% recovery, the reporting limits are rejected (R-13L) and positive results are estimated (J-13L). No action was taken for analyses done at dilutions of 10x or higher. The following surrogate outliers required qualification.

SDG 23A0087: For Sample LDW23-SS1224, the %R value for 2,4,6-tribromophenol was less than 10%. The %R values for the other two acid surrogates were within control limits. Results for acid analytes were estimated (UJ-13L).

SDG 23A0326: For Sample LDW23-SC1028, the %R values for 2,4,6-tribromophenol and 2-fluorophenol were less than the lower control limits (2-fluorophenol was less than 10%). The %R values for the other two acid surrogates were within control limits. Results for acid analytes were estimated (UJ-13L).

SDG 23D0393: The following samples had multiple acid fraction outliers indicating a potential low bias. The following qualifiers were assigned.

CLIENT ID	ANALYTE	QUALIFIER
LDW23-SS1231	phenol	J/UJ-13L
	4-methylphenol	
LDW23-SS1097	phenol	J/UJ-13L
	4-methylphenol	

SDG 23D0393, 23H0221: The following samples had multiple acid fraction outliers indicating a very low bias. The samples were re-extracted and reported in SDG 23H0221. The following qualifiers were assigned.

CLIENT ID	ANALYTE	QUALIFIER INITIAL EXTRACTION	QUALIFIER RE-EXTRACTION
LDW23-SS1233	phenol	DNR-13L	--
	4-methylphenol	R-13L	--
	All other analytes	--	DNR-11
LDW23-SS1068	phenol	R-13L	--
	4-methylphenol	R-13L	--
	All other analytes	--	DNR-11

SDG 23D0394: For Sample LDW23-SS1034, the %R values for 2,4,6-tribromophenol and 2-fluorophenol were less than the lower control limits (2,4,6-tribromophenol was less than 10%). The %R values for the other two acid surrogates were within control limits. Results for acid analytes were estimated (J/UJ-13L).

SDG 23E0219: Sample LDW23-SS1126 was re-extracted and analyzed due to poor recoveries for acid surrogates in the original extraction. Both sets of data were reported. The original results were qualified as do-not-report (DNR-13) to indicate which of multiple results reported for a given analyte should not be used.

SDG 23F0143: The following samples had multiple acid fraction outliers that resulted in qualification for phenol and 4-methylphenol:

CLIENT ID	SURROGATE	%R	QUALIFIER
LDW23-SS1275	2-Fluorophenol	16.6	UJ-13L
	Phenol-d5	11.0	
	2-Chlorophenol-d4	2.56	
	2,4,6-Tribromophenol	0.823	
LDW23-SC1038A	2-Fluorophenol	26.5	J/UJ-13L
	2,4,6-Tribromophenol	13.7	
LDW23-SC1012A	2-Fluorophenol	26.1	J/UJ-13L
	2,4,6-Tribromophenol	21.8	

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency of one per batch of 20 or fewer samples. Accuracy is evaluated using the percent recovery (%R) values. Precision is evaluated using the relative percent difference (RPD) values calculated between the LCS and LCSD results. Any RPD values outside the control limits indicate uncertainty in the measured results for the sample. Qualifiers are issued to all samples in the analysis batch.

No action is taken unless both the LCS and LCSD percent recovery (%R) values are outside the control limits. When the LCS/LCSD %R values indicate a potential low bias, associated results are estimated (J/UJ-10L). Only the associated positive results are estimated (J-10H) if the %R values indicate a potential high bias. Associated positive results are estimated (J-9) if the RPD values indicate uncertainty.

SDG 22L0459: For batch BLA0064, the following qualifiers were assigned:

ANALYTE	LCS %R OUTLIER	LCSD %R OUTLIER	RPD OUTLIER	QUALIFIER
2-Methylnaphthalene	--	--	48.3	J-9
4-Methylphenol	--	--	42.7	J-9
Acenaphthene	--	--	57.2	J-9
Acenaphthylene	--	--	51.5	J-9
Anthracene	37.4	--	55.3	J-9
Benzo(a)anthracene	45.6	--	59	J-9
Benzo(a)pyrene	--	--	60.4	J-9
Benzo(g,h,i)perylene	40.7	--	62.1	J-9
Bis(2-ethylhexyl)phthalate	--	--	56.1	J-9
Butyl benzyl phthalate	--	--	57.8	J-9
Chrysene	--	--	56.2	J-9
Dibenzo(a,h)anthracene	--	--	60.9	J-9
Dibenzofuran	--	--	51.9	J-9
Dimethyl phthalate	--	--	53.7	J-9
Fluoranthene	50.7	--	56.2	J-9
Fluorene	44.8	--	56.8	J-9
Indeno(1,2,3-cd)pyrene	39.8	--	64.1	J-9
Naphthalene	--	--	48.6	J-9
Phenanthrene	45.1	--	55.9	J-9
Phenol	31.1	--	46.7	J-9
Pyrene	51.8	--	54.3	J-9
Total benzofluoranthenes	--	--	64.1	J-9

SDGs 23A0099, 23B0229, 23B0276: For batch BLB0424, the %R values for butyl benzyl phthalate were greater than the upper control limit; associated detected results were estimated (J-10H).

SDG 23A0100: For batch BLA0335, the LCS/LCSD %R value for benzo(g,h,i)perylene was less than the lower control limit in the LCS but within control limits in the LCSD; no data were qualified for a single outlier.

SDGs 23A0100, 23A0419: For batch BLB0250, the LCS/LCSD %R values for benzo(g,h,i)perylene were less than the lower control limits; results in the associated samples were estimated (J/UJ-10L).

SDG 23A0157: For batch BLA0474, the LCS/LCSD %R values for bis(2-ethylhexyl) phthalate were less than the lower control limit; results in the associated samples were estimated (J/UJ-10L).

SDG 23A0249, 23A0295: For batch BLA0673, the %R values for acenaphthylene and pyrene were less than the lower control limits in the LCSD but within control limits in the LCS; no action was taken for a single outlier.

SDG 23A0328: For batch BLB0019, the LCS/LCSD %R values for indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene were less than the lower control limits; results in the associated samples were estimated (J/UJ-10L).

SDG 23A0420: For Batch BLB0495, the LCS/LCSD %R values for bis(2-ethylhexyl) phthalate were less than the lower control limit; results in the associated samples were estimated (J/UJ-10L). The RPD value for 4-methylphenol was greater than the control limit; positive results in the associated samples were estimated (J-9).

SDG 23C0752: For Batch BLD0008, the %R value for benzo(g,h,i)perylene was less than the lower control limit in the LCS but within control limits in the LCSD; no data were qualified for a single outlier.

SDGs 23C0774, 23D0008: For Batch BLF0057, the LCS/LCSD %R values for bis(2-ethylhexyl) phthalate were less than the lower control limits; results in the associated samples were estimated (J-10L).

SDG 23E0219: For Batch BLE0422, the %R value for benzo(g,h,i)perylene was less than the lower control limit in the LCS, but within control limits in the LCSD; no data were qualified for a single outlier.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. No action is taken unless both the MS and MSD percent recovery (%R) values are outside the control limits. MS/MSD %R values are not evaluated when the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Any RPD values outside the control limits indicate uncertainty in the measured results for the sample. Qualifiers were only issued to the parent sample.

When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-8L). Only the associated positive results are estimated (J-8H) if the %R values indicate a potential high bias. When one %R value indicates a potential low bias and one indicates a potential high bias, results were estimated (J/UJ-8). Associated positive results are estimated (J-9) if the RPD values indicate uncertainty.

SDG 23A0031: For Batch BLA0160, the MS/MSD analyses were performed using Sample LDW22-SS138. The MS/MSD %R values for benzo(g,h,i)perylene were less than the lower control limits; the positive result in the parent sample was estimated (J-8L).

SDG 23A0031, 23A0032, 23A0087: For Batch BLA163, the MS/MSD analyses were performed using Sample LDW23-SS1189 from SDG 23A0087. The MS/MSD %R values for chrysene, benzo(a)anthracene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene, and total

benzofluoranthenes were less than 10%. There were positive results for these analytes in the parent sample (reported in SDG 23A0087); these results were estimated (J-8L). The MS %R value for pyrene was less than the lower control limit but was in control in the associated MSD sample; no data were qualified for single outliers.

SDG 23A0088: For Batch BLA0216, the MS/MSD analyses were performed using Sample LDW23-SC1221B. The MSD %R value for bis(2-ethylhexyl) phthalate was less than the lower control limit but was within control limits in the associated MS sample; no data were qualified for the single outlier.

SDG 23A0099: For Batch BLA0288, the MS/MSD analyses were performed using Sample LDW23-SC1205A. The MS/MSD %R values for benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene were less than the lower control limits; the associated parent sample results were estimated (J-8L).

SDG 23A0133: For Batch BLA0393, the MS/MSD analyses were performed using Sample LDW23-IT1217. The following outliers were noted:

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Benzo(a)anthracene	--	138	70.1	J-9
Benzo(a)pyrene	--	129	76.2	J-9
Benzo(g,h,i)perylene	--	--	45.2	J-9
Chrysene	--	154	76.3	J-9
Fluoranthene	52.7	--	66	J-9
Indeno(1,2,3-cd)pyrene	--	--	44.9	J-9
Pyrene	47.3	152	71.9	J-8,9
Total benzofluoranthenes	--	--	73.5	J-9

SDG 23A0134: For Batch BLA0410, the MS/MSD analyses were performed using Sample LDW23-IT1210. The following outliers were noted:

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Indeno(1,2,3-cd)pyrene	22.0	22.5	--	J-8L
Dibenzo(a,h)anthracene	26.3	25.6	--	UJ-8L
Benzo(g,h,i)perylene	17.1	17.6	--	J-8L
Chrysene	44.0	--	--	--
bis(2-Ethylhexyl) phthalate	135	--	--	--

SDG 23A0099, 23B0229, 23B0276: For Batch BLB0424, the MS/MSD analyses were performed using Sample LDW23-SC1150B from SDG 23B0276. The MS/MSD %R values for butylbenzylphthalate, fluoranthene, and pyrene were greater than the upper control limits; the associated results were estimated (J-8H) in the parent sample.

SDG 23A0100, 23A0419: For Batch BLB0250, the MS/MSD analyses were performed using Sample LDW23-SS1218 from SDG 23A0419. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Indeno(1,2,3-cd)pyrene	29.4	29.7	--	UJ-8L
Dibenzo(a,h)anthracene	29.1	--	--	--
Benzo(g,h,i)perylene	23.5	24.3	--	UJ-8L

SDG 23A0157: For Batch BLA0474, the MS/MSD analyses were performed using Sample LDW23-SC1206. The MS/MSD %R values for bis(2-ethylhexyl) phthalate were less than the lower control limits; the associated result was estimated (J-8L) in the parent sample.

SDG 23A0158: For Batch BLA0554, the MS/MSD analyses were performed using Sample LDW23-SS1077. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Butylbenzylphthalate	38.1	--	--	--
Indeno(1,2,3-cd)pyrene	35.9	--	--	--
Benzo(g,h,i)perylene	31.7	41.0	--	UJ-8L
Fluoranthene	--	148	--	--
Pyrene	--	145	--	--
bis(2-ethylhexyl)phthalate	--	155	--	--
Total benzofluoranthenes	--	162	--	--

SDG 23A0206: For Batch BLA0624, the MS/MSD analyses were performed using Sample LDW23-SS1066. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Fluorene	123	--	--	--
Phenanthrene	185	--	49.8	J-9
Fluoranthene	150	--	--	--
Benzo(a)anthracene	132	--	--	--
Chrysene	141	133	--	J-8H
Phenol	--	126	--	--

SDGs 23A0249, 23A0295: For Batch BLA0673, the MS/MSD analyses were performed using Sample LDW23-IT1041 from SDG 23A0295. The MS/MSD %R values for pyrene were less than the lower control limits; the associated parent sample result was estimated (J-8L).

SDG 23A0328: For Batch BLB0019, the MS/MSD analyses were performed using Sample LDW23-SS1209. The following outliers resulted in qualifiers:

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
2-Methylnaphthalene	31.9	--	68.5	J-9
4-Methylphenol	28.2	--	70.1	J-9
Acenaphthene	31.7	--	60.2	J-9
Acenaphthylene	31.5	--	65.7	J-9
Anthracene	9.97	41.1	38.1	J-8L,9
Benzo(a)anthracene	-39.8	-17.2	--	J-8L
Benzo(a)pyrene	-109	-74.8	--	J-8L
Benzo(g,h,i)perylene	-4.35	7.65	38.2	J-8L,9
Bis(2-ethylhexyl)phthalate	-13.8	10.6	47.8	J-8L,9
Chrysene	-48.3	-17.2	--	J-8L
Dibenzo(a,h)anthracene	9.49	26.1	57.0	J-8L,9
Dibenzofuran	32.6	--	64.1	J-9
Dimethyl phthalate	38.4	--	70.0	J-9
Fluoranthene	-42.2	4.01	33.2	J-8L,9
Fluorene	41.4	--	46.7	J-9
Indeno(1,2,3-cd)pyrene	-3.37	11.5	41.0	J-8L,9
Naphthalene	30.7	--	68.9	J-9
Phenanthrene	30.5	--	39.5	J-9
Phenol	29.9	--	61.1	J-9

SDG 23A0417: For Batch BLB0026, the MS/MSD analyses were performed using Sample LDW23-SS1073. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Phenanthrene	148	--	62.8	J-9
Fluoranthene	225	--	57.5	J-9
Pyrene	194	--	49.5	J-9
Butylbenzylphthalate	142	--	--	--
Chrysene	--	--	32.3	J-9

SDG 23A0420: For Batch BLB0495, the MS/MSD analyses were performed using Sample LDW23-SC1004. The MS/MSD %R values for bis(2-ethylhexyl)phthalate were less than the lower control limits; the associated parent sample result was estimated (J-8L).

SDG 23A0455: For Batch BLB0498, the MS/MSD analyses were performed using Sample LDW23-SS1180. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Indeno(1,2,3-cd)pyrene	41.1	41.7	--	UJ-8L
Benzo(g,h,i)perylene	32.4	34.8	--	UJ-8L
4-Methylphenol	--	--	35.7	None – Parent ND

SDG 23C0108, 23C0109: For Batch BLC0185, the MS/MSD analyses were performed using Sample LDW23-SS1111 from SDG 23C0108. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Indeno(1,2,3-cd)pyrene	28.3	26.6	--	J-8L
Benzo(g,h,i)perylene	23.5	21.7	--	UJ-8L
Dibenzo(a,h)anthracene	--	29.2	--	--

SDG 23C0109, 23D0063: For Batch BLD0297, the MS/MSD analyses were performed using Sample LDW23-SS1818 from SDG 23D0063. The MS/MSD %R values for indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene were less than the lower control limits; the associated parent sample results were estimated (J-8L).

SDG 23C0752: For Batch BLD0008, the MS/MSD analyses were performed using Sample LDW23-SS1810. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Fluoranthene	37.4	31.3	--	J-8L
Pyrene	38.9	32.9	--	J-8L
Chrysene	42.4	46.6	--	J-8L
Benzo(g,h,i)perylene	45.9	42.5	--	J-8L

SDG 23C0774: For Batch BLD0057, the MS/MSD analyses were performed using Sample LDW23-SC1046B. The MS/MSD %R values for bis(2-ethylhexyl)phthalate were less than the lower control limits; the associated parent sample result was estimated (J-8L).

SDG 23D0393: The MS/MSD analyses were performed using Sample LDW23-SS1233. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
4-methylphenol	20.7	22.6	--	UJ-8L
Phenanthrene	9.71	19.0	--	J-8L
Fluoranthene	-18.6	-27.8	--	J-8L
Pyrene	-20.2	-30.3	--	J-8L
Benzo(a)anthracene	25.6	30.6	--	J-8L
Chrysene	24.2	27.3	--	J-8L
Benzo(a)pyrene	25.4	31.6	--	J-8L
Benzo(g,h,i)perylene	35.8	36.7	--	J-8L

SDG 23D0394, 23D0396: The MS/MSD analyses were performed using Sample LDW23-SS1078 from SDG 23D0394. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Naphthalene	--	--	39.9	None (no positive result)
Acenaphthene	123	--	38.5	J-9
Fluorene	136	--	44.7	J-9
Phenanthrene	435	-3.61	124	J-8,9
Anthracene	--	37.2	65.2	J-9
Fluoranthene	223	-7.75	108	J-8,9
Pyrene	267	-25.2	114	J-8,9
Benzo(a)anthracene	156	41.5	73.0	J-8,9
Chrysene	186	--	72.2	J-9
Benzofluoranthenes, Total	165	--	51.7	J-9
Benzo(a)pyrene	163	--	69.9	J-9
Indeno(1,2,3-cd)pyrene	--	34.5	50.0	J-9
Benzo(g,h,i)perylene	--	26.7	60.6	J-9

SDG 23D0394, 23E0009: The MS/MSD analyses were performed using Sample LDW23-SS1805 from SDG 23E0009. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Naphthalene	30.5	12.1	--	J-8L
Acenaphthene	--	--	38.9	J-9
Phenanthrene	852	--	154	J-9
Fluoranthene	1860	--	168	J-9
Pyrene	1270	--	157	J-9
Chrysene	507	--	106	J-9
Benzofluoranthenes, Total	306	--	90.2	J-9
Benzo(a)pyrene	144	--	45.4	J-9
Indeno(1,2,3-cd)pyrene	--	--	40.4	J-9

SDG 23E0219: For Batch BLF0734, the MS/MSD analyses were performed using Sample LDW23-SS1146. The following outliers were noted. Only parent sample results were qualified.

ANALYTE	MS %R OUTLIER	MSD %R OUTLIER	RPD OUTLIER	QUALIFIER
Phenanthrene	--	217	76.2	None (no positive result)
Fluoranthene	--	265	81.8	J-9
Pyrene	--	310	94.8	J-9
Benzo(a)anthracene	--	136	--	No action for single %R outlier
Chrysene	--	156	38.2	J-9
Benzo(a)pyrene	--	170	43.1	J-9
Benzo(g,h,i)perylene	--	--	43.9	None (no positive result)

Field Duplicates

For sediment samples, the relative percent difference (RPD) control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL. No data were qualified based on field duplicate precision outliers. Users of the data should consider the impact of field precision outliers on the reported results.

SDG 22L0383: Two sets of field duplicate sets were submitted. Field precision was acceptable:

- LDW23-SC1150C & LDW23-SC1150C-FD
- LDW23-SC1191B & LDW23-SC1191B-FD

SDG 23A0031: Five sets of field duplicate sets were submitted.

- LDW23-SS1199 and LDW23-SS1199-FD
- LDW23-SS1191 and LDW23-SS1191-FD
- LDW23-SS1177 and LDW23-SS1177-FD
- LDW23-SS1156 and LDW23-SS1156-FD
- LDW23-SS1143 and LDW23-SS1143-FD

With the following exceptions, field precision was acceptable:

For LDW23-SS1177 and LDW23-SS1177-FD, the RPD values for benzo(a)anthracene, benzo(a)pyrene, chrysene, fluoranthene, phenanthrene, pyrene and total benzofluoranthenes were greater than the control limit. The difference values for acenaphthene, anthracene, benzo(g,h,i)perylene, dibenzo(a,h)anthracene, dibenzofuran, fluorene, and indeno(1,2,3-cd)pyrene were greater than the control limit.

For LDW23-SS1191 and LDW23-SS1191-FD, the RPD values for chrysene, fluoranthene, and pyrene were greater than the control limit. The difference values for benzo(a)anthracene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene, and total benzofluoranthenes were greater than the control limit.

SDG 23A0087: Two sets of field duplicate sets were submitted:

- LDW23-SS1212 and LDW23-SS1212-FD: the RPD values for benzo(a)anthracene and phenanthrene were greater than the control limit.
- LDW23-SS1267 and LDW23-SS1267-FD: the difference value for phenol was greater than the control limit.

SDG 23A0088: Samples LDW23-SC1225 and LDW23-SC1225-FD were submitted as field duplicates. Field precision was acceptable.

SDG 23A0099: Two sets of field duplicate sets were submitted.

- LDW23-SC1186 and LDW23-SC1186-FD: the RPD values for benzo(a)anthracene, chrysene, fluoranthene, pyrene and total benzofluoranthenes were greater than the control limit. The difference values for phenol, phenanthrene, benzo(g,h,i)perylene, bis(2-ethylhexyl)phthalate, and indeno(1,2,3-cd)pyrene were greater than the control limit.
- LDW23-IT1160 and LDW23-IT1160-FD: the RPD values for bis(2-ethylhexyl) phthalate, chrysene, fluoranthene, and pyrene were greater than the control limit. The difference values for anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(g,h,i)perylene, butyl benzyl phthalate, indeno(1,2,3-cd)pyrene, phenanthrene, and total benzofluoranthenes were greater than the control limit.

SDG 23A0100: Five sets of field duplicate sets were submitted. With the following exceptions, field precision was acceptable:

- LDW23-SS1276 and LDW23-SS1276-FD: the RPD value for phenol was greater than the control limit.
- LDW23-SS1270 and LDW23-SS1270-FD
- LDW23-SS1265 and LDW23-SS1265-FD
- LDW23-SS1247 and LDW23-SS1247-FD: the RPD value for phenol was greater than the control limit.
- LDW23-SS1225 and LDW23-SS1225-FD: the difference values for fluoranthene, pyrene, and total benzofluoranthenes were greater than the control limit.

SDG 23A0180: Samples LDW23-SC1164 and LDW23-SC1164-FD were submitted as field duplicates. Field precision was acceptable.

Internal Standards

Internal standards were added to all samples as required by the method. With the following exception, all internal standard responses were within the method specified control limits of 50%-200% of the response in the associated calibration verification standard. For %R values less than 50%, all associated results were estimated (J/UJ-19) [or qualified as do-not-report (DNR-19) in cases where the sample was analyzed twice, and both sets of data were reported]. For %R values greater than 200%, only positive results were estimated (J-19) [or qualified as do-not-report (DNR-19) in cases where the sample was analyzed twice, and both sets of data were reported]. No action is taken for internal standard outliers in laboratory QC samples.

SDG 22L0383: Samples with internal standard outliers were reanalyzed at a dilution resulting in acceptable internal standard recoveries. Results from both analyses were reported. Results associated with the internal standard outliers were qualified as do-not-report (DNR-19) in the initial analyses; results from the dilution should be used for these analytes. Results associated with acceptable internal standard recoveries in the initial analyses were qualified as DNR-11 in the diluted analyses. The DNR qualifier indicates which result, of multiple results, should not be used.

SAMPLE ID	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SC1137C	Chrysene-d12 di-n-Octylphthalate-d4	Fluorene Pyrene Butylbenzylphthalate benzo(a)anthracene Bis(2-ethylhexyl) phthalate	DNR-19 in initial analysis
LDW23-SC1156C	Chrysene-d12	Fluorene Pyrene	DNR-19 in initial analysis

SAMPLE ID	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SC1191B	di-n-Octylphthalate-d4 Perylene-d12	Butylbenzylphthalate benzo(a)anthracene Bis(2-ethylhexyl) phthalate Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(ghi)perylene Total benzofluoranthenes Benzo(a)pyrene	
LDW23-SC1191B-FD			
LDW23-SC1183D			

SDG 22L0459: For Sample LDW23-SC1091B, the chrysene-d12 recovery was less than the lower control limit; associated compounds were estimated (J-19).

SDG 23A0031: For Sample LDW23-SS1232, the di-n-octylphthalate-d4 recovery was greater than the upper control limit. The sample was reanalyzed, resulting in acceptable internal standard area recoveries. Results from the reanalysis should be used. Results from the initial analysis that were associated with the internal standard outlier were qualified as do-not-report (DNR-19). All other results from the initial analysis were qualified DNR-11.

SDG 23A0032: For the following samples, several internal standard areas were outside the control limits. Samples were reanalyzed, resulting in acceptable internal standard recoveries. Results from both analyses were reported. Results from the reanalysis should be used. Results from the initial analysis that were associated with the internal standard outlier were qualified as do-not-report (DNR-19). All other results from the initial analysis were qualified DNR-11.

SAMPLE ID	INTERNAL STANDARD OUTLIERS
LDW23-IT1224 LDW23-SC1212	1,4-Dichlorobenzene-d4 Phenanthrene-d10 Chrysene-d12 di-n-Octylphthalate-d4 Perylene-d12
LDW23-SC1226B	1,4-Dichlorobenzene-d4 Acenaphthene-d10 Phenanthrene-d10 Chrysene-d12 di-n-Octylphthalate-d4 Perylene-d12

SDG 23A0087: For Sample LDW23-SS1264, the di-n-octylphthalate-d4 recovery was greater than the upper control limit. The sample was reanalyzed, resulting in acceptable internal standard area recoveries. Results from the reanalysis should be used. Results from the initial analysis that were associated with the internal standard outlier were qualified as do-not-report (DNR-19). All other results from the initial analysis were qualified DNR-11.

For Samples LDW23-SS1272 and LDW23-SS1235, the recovery values for di-n-octylphthalate-d4 and 1,4-dichlorobenzene-d4 were greater than the upper control limit. The samples were reanalyzed, resulting in acceptable internal standard area recoveries. Results from the reanalysis should be used. Results from the initial analysis that were associated with the internal standard outlier were qualified as do-not-report (DNR-19). All other results from the initial analysis were qualified DNR-11.

SDG 23A0088: For the following samples, the di-n-octylphthalate-d4 recovery was greater than the upper control limit. The samples were reanalyzed, resulting in acceptable internal standard area recoveries. Results from the reanalysis should be used. Results from the initial analysis that were associated with the internal standard outlier were qualified as do-not-report (DNR-19). All other results from the initial analysis were qualified DNR-11.

LDW23-SC1225	LDW23-SC1276
LDW23-SC1265	LDW23-SC1221B
LDW23-SC1247	

For Samples LDW23-SC1184A and LDW23-SC1214A, the recovery values for di-n-octylphthalate-d4 and chrysene-d12 were greater than the upper control limit. The samples were reanalyzed, resulting in acceptable internal standard area recoveries. Results from the reanalysis should be used. Results from the initial analysis that were associated with the internal standard outlier were qualified DNR-19. All other results from the initial analysis were qualified DNR-11.

For LDW23-SC1221B MS/MSD, the recovery values for di-n-octylphthalate-d4 and chrysene-d12 were greater than the upper control limit. No action was taken for laboratory QC samples.

SDG 23A0099: Five samples with internal standard outliers were reanalyzed at a dilution resulting in acceptable internal standard recoveries. Results from both analyses were reported. Results associated with the internal standard outliers were qualified as described below. For remaining analytes, results associated with acceptable internal standard recoveries in the initial analyses were qualified as DNR-11 in the diluted analyses. The DNR qualifier indicates which result, of multiple results, should not be used.

SAMPLE ID	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SC1179 LDW23-SC1152 LDW23-IT1160-FD LDW23-SC1205A LDW23-SC1109B	Perylene-d12	Benzo(a)pyrene Benzo(ghi)perylene Indeno(1,2,3-cd)pyrene Total benzofluoranthenes	DNR-19 in 1x analysis
		Dibenzo(a,h)anthracene*	J/UJ-19 in 1x analysis

* Dibenzo(a,h)anthracene was reported from 1x: diluted out in 4x or ND in both (lower RL reported)

Two samples had internal standard outliers in the 1x and 4x analyses. Results associated with the internal standard outliers were qualified as described below. For remaining analytes, results associated with acceptable internal standard recoveries in the initial analyses were qualified as

DNR-11 in the diluted analyses. The DNR qualifier indicates which result, of multiple results, should not be used.

SAMPLE ID	ANALYSIS	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SC1173	1x	Perylene-d12	Benzo(a)pyrene Benzo(ghi)perylene Indeno(1,2,3-cd)pyrene Total benzofluoranthenes	DNR-19 in 1x analysis
			Dibenzo(a,h)anthracene	J-19 in 1x analysis
	4x	1,4-dichlorobenzene-d4 Di-n-octylphthalate-d4	Analytes reported from 1x	DNR-11

* Dibenzo(a,h)anthracene was reported from 1x: diluted out in 4x

SAMPLE ID	ANALYSIS	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-IT1160	1x	Perylene-d12	Benzo(a)pyrene Benzo(ghi)perylene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Total benzofluoranthenes	DNR-19 in 1x analysis
	4x		Di-n-octylphthalate-d4	Bis(2-ethylhexyl) phthalate

SDG 23A0100: For Samples LDW23-SS1225 and LDW23-SS1175, the perylene-d12 recoveries were less than the lower control limit; results for associated analytes were estimated (J/UJ-19).

For Samples LDW23-SS1154 and LDW23-SS1130, the recovery values for di-n-octylphthalate-d4 were less than the lower control limit. The samples were reanalyzed, resulting in acceptable internal standard area recoveries. Results from the reanalysis should be used. Results from the initial analysis that were associated with the internal standard outlier were qualified DNR-19. All other results from the initial analysis were qualified DNR-11.

SDG 23A0171: For the following samples, the di-n-octylphthalate-d4 recovery was less than the lower control limit. The samples were reanalyzed, resulting in acceptable internal standard area recoveries. Results from the reanalysis should be used. Results from the initial analysis that were associated with the internal standard outlier were qualified as do-not-report (DNR-19). All other results from the initial analysis were qualified DNR-11.

LDW23-SS1254
LDW23-SS1262
LDW23-SS1245

SDG 23B0229: Four samples with internal standard outliers were reanalyzed at a dilution resulting in acceptable internal standard recoveries. Results from both analyses were reported. Results associated with the internal standard outliers were qualified as described below. For remaining analytes, results associated with acceptable internal standard recoveries in the initial analyses were qualified as DNR-11 in the diluted analyses. The DNR qualifier indicates which result, of multiple results, should not be used.

SAMPLE ID	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SS1150 LDW23-SC1008	Chrysene-d12	Benzo(a)anthracene Chrysene Fluoranthene Pyrene	DNR-19 in 1x analysis
		Butylbenzylphthalate*	J-19 in 1x analysis
LDW23-SS1008	Chrysene-d12 Di-n-octylphthalate-d4	Benzo(a)anthracene Chrysene Fluoranthene Pyrene Bis(2-ethylhexyl) phthalate	DNR-19 in 1x analysis
		Butylbenzylphthalate*	J-19 in 1x analysis
LDW23-SC1013	Chrysene-d12 Di-n-octylphthalate-d4	Benzo(a)anthracene Chrysene Fluoranthene Pyrene Butylbenzylphthalate Bis(2-ethylhexyl) phthalate	DNR-19 in 1x analysis

* Butylbenzylphthalate was reported from 1x: diluted out in 4x

SDG 23A0158: Two samples with internal standard outliers were reanalyzed at a dilution resulting in acceptable internal standard recoveries. Results from both analyses were reported. Results associated with the internal standard outliers were qualified as described below. For remaining analytes, results associated with acceptable internal standard recoveries in the initial analyses were qualified as DNR-11 in the diluted analyses. The DNR qualifier indicates which result, of multiple results, should not be used.

SAMPLE ID	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SS1222	Perylene-d12	Total benzofluoranthenes Benzo(a)pyrene	DNR-19 in 1x analysis
		Benzo(ghi)perylene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene	J/UJ-19 in 1x analysis
LDW23-SS1077	Perylene-d12	Total benzofluoranthenes Benzo(a)pyrene	DNR-19 in 1x analysis
		Benzo(ghi)perylene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene	UJ-19 in 1x analysis

SDG 23A0419: Four samples with internal standard outliers were reanalyzed at a dilution. Results associated with the internal standard outliers were qualified as described below. For remaining analytes, results associated with acceptable internal standard recoveries in the initial analyses were qualified as DNR-11 in the diluted analyses. The DNR qualifier indicates which result, of multiple results, should not be used.

SAMPLE ID	ANALYSIS	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SS1136 LDW23-SS1141	1x	Perylene-d12 (> UCL)	Benzo(a)pyrene Benzo(ghi)perylene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Total benzofluoranthenes	DNR-19 positive results in 1x analysis
	4x	Di-n-octylphthalate-d4	Bis(2-ethylhexyl) phthalate	DNR-19 in 4x analysis
LDW23-SS1140	1x	Perylene-d12 (> UCL)	Benzo(a)pyrene Benzo(ghi)perylene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Total benzofluoranthenes	DNR-19 positive results in 1x analysis
LDW23-SS1202	1x	Di-n-octylphthalate-d4	Bis(2-ethylhexyl) phthalate	J-19
	4x	Di-n-octylphthalate-d4	Bis(2-ethylhexyl) phthalate	DNR-11

SDG 23A0455: One sample with internal standard outliers was reanalyzed at a dilution resulting in acceptable internal standard recoveries. Results from both analyses were reported. Results associated with the internal standard outliers were qualified as described below. For remaining analytes, results associated with acceptable internal standard recoveries in the initial analyses were

qualified as DNR-11 in the diluted analyses. The DNR qualifier indicates which result, of multiple results, should not be used.

SAMPLE ID	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SS1051	Perylene-d12	Total benzofluoranthenes Benzo(a)pyrene Benzo(ghi)perylene Dibenzo(a,h)anthracene	DNR-19 in 1x analysis
		Indeno(1,2,3-cd)pyrene	J-19 in 1x analysis

SDG 23B0276: For Sample LDW23-SC1150B, the chrysene-d12 recovery was less than the lower control limit; results for associated analytes were estimated (J-19).

SDG 23E0219: One sample with internal standard outliers was reanalyzed at a dilution resulting in acceptable internal standard recoveries. Results from both analyses were reported. Results associated with the internal standard outliers were qualified as described below. For remaining analytes, results associated with acceptable internal standard recoveries in the initial analyses were qualified as DNR-11 in the diluted analyses. The DNR qualifier indicates which result, of multiple results, should not be used.

SAMPLE ID	INTERNAL STANDARD OUTLIERS	ASSOCIATED ANALYTES	QUALIFIER
LDW23-SS1134	Perylene-d12	Total benzofluoranthenes Benzo(a)pyrene	DNR-19 in 1x analysis
		Benzo(ghi)perylene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene	J/UJ-19 in 1x analysis
LDW23-SS1275	Perylene-d12	Benzo(ghi)perylene	DNR-19 in 1x analysis
		Benzo(a)pyrene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Total benzofluoranthenes	J/UJ-19 in 1x analysis
LDW23-SC1038A	Perylene-d12	Benzo(ghi)perylene Indeno(1,2,3-cd)pyrene Total benzofluoranthenes	DNR-19 in 1x analysis
		Benzo(a)pyrene Dibenzo(a,h)anthracene	J/UJ-19 in 1x analysis

Certified Reference Material

Certified reference material CRM 143 BNAs - Sandy Loam was analyzed with these analytical data sets. All acceptance criteria were met.

SDG 22L0459: For Batch BLA0064, during the extraction process, the turbo tube containing the CRM sample broke, and the extract was lost. The lab was instructed to continue the extraction process without a CRM.

SDG 23A0417: For Batch BLB0026, the CRM recovery value for bis(2-ethylhexyl)phthalate was less than the lower control limit; associated sample results were estimated (J-12L).

SDG 23A0420: For Batch BLB0495, the CRM recovery value for bis(2-ethylhexyl)phthalate was less than the lower control limit; associated sample results were estimated (J-12L).

SDGs 23C0774, 23D0008: For Batch BLD0057, the CRM recovery value for bis(2-ethylhexyl)phthalate was less than the lower control limit; associated sample results were estimated (J-12L).

Reported Results

SDG 22L0383: As described in the Internal Standards section, several samples were initially analyzed at a 1x dilution and reanalyzed at a 4x dilution due to internal standard outliers. Both sets of data were reported. Results that should not be used were qualified as do-not-report (DNR-11) to indicate which result of multiple results should not be used.

SDG 23A0031: Sample LDW23-SS1174 was initially analyzed at a 1x dilution and reanalyzed at a 3x dilution due to non-target analytes exceeding the calibration range of the instrument; both sets of data were reported. The 3x dilution results should not be used and were qualified as do-not-report (DNR-11) to indicate which result of multiple results should not be used.

SDG 23A0032: Sample LDW23-SS1212 was initially analyzed at a 1x dilution. Due to internal standard outliers, the sample was reanalyzed at a 1x and 5x dilution. Results from the initial analysis were qualified as do-not-report (DNR-19) as described in the **Internal Standards** section. For the 1x and 5x reanalyses, the concentration for pyrene exceeded the calibration range of the instrument in the 1x and was qualified as do-not-report (DNR-20); the pyrene result should be reported from the 5x dilution. All other analytes in the 5x dilution were qualified as do-not-report (DNR-11) and should be reported from the 1x analysis.

SDG 23A0087: Sample LDW23-SS1228 was initially analyzed at a 1x dilution and reanalyzed at a 20x dilution due to concentrations that exceeded the calibration range of the instrument; both sets of data were reported. The results that exceeded the calibration range of the instrument in the 1x analysis were qualified as do-not-report (DNR-20); all other compounds in the 20x dilution were qualified as do-not-report (DNR-11).

SDG 23A0099: Samples LDW23-SC1186 and LDW23-IT1160 were initially analyzed at a 1x dilution. Results for one or more analytes were E-flagged by the laboratory to indicate the concentration

exceeded the calibration range of the instrument. These results were qualified as do-not-report (DNR-20) in the 1x dilution. All other analytes in the 4x dilution were qualified as DNR-11.

Several samples were initially analyzed at a 1x. Due to internal standard outliers, the sample was reanalyzed at a 4x dilution. Results were qualified as do-not-report (DNR-19 or DNR-11) as described in the **Internal Standards** section.

SDG 23A0100: Sample LW23-SS1149 was analyzed twice; both sets of results were reported. The internal standards for this sample were within control limits. The results from the reanalysis qualified as do-not-report (DNR-11) to indicate which result of multiple results should not be used.

Two samples were initially analyzed at a 1x. Due to internal standard outliers, the sample was reanalyzed at a 1x. Results were qualified as do-not-report (DNR-19 or DNR-11) as described in the **Internal Standards** section to indicate which result of multiple results should not be used.

SDG 23A0171: Three samples were initially analyzed at a 1x. Due to internal standard outliers, the sample was reanalyzed at a 1x dilution. Results were qualified as do-not-report (DNR-19 or DNR-11) as described in the **Internal Standards** section to indicate which result of multiple results should not be used.

SDG 23B0229: Four samples were initially analyzed at a 1x. Due to internal standard outliers, the sample was reanalyzed at a 1x. Results were qualified as do-not-report (DNR-19 or DNR-11) as described in the **Internal Standards** section to indicate which result of multiple results should not be used.

SDG 23A0158: The following samples were initially analyzed at a 1x. Due to potential matrix interferences, the samples were reanalyzed at 4x dilution. Both sets of data were reported. The results from the 4x analyses should not be used and were qualified as do-not-report (DNR-11) to indicate which result of multiple results should not be used.

LDW23-SS1047	LDW23-SS1053	LDW23-SS1059	LDW23-SS1060
LDW23-SS1064	LDW23-SS1065	LDW23-SS1070	

Two samples were initially analyzed at a 1x. Due to internal standard outliers, the sample was reanalyzed at a 4x dilution. Results were qualified as do-not-report (DNR-19 or DNR-11) as described in the **Internal Standards** section.

SDG 23A0326: Pentachlorophenol was reported from the 8270E analysis instead of the 8270E-SIM analysis.

SDG 23A0328: For Sample LDW23-SS1209, the pyrene and total benzofluoranthenes results were E-flagged by the laboratory to indicate the concentration exceeded the calibration range of the instrument. These results were qualified as do-not-report (DNR-20) in the 1x analysis. All other analytes in the 4x dilution were qualified as DNR-11.

The following samples were reanalyzed at 4x dilution due to potential matrix interferences; both sets of data were reported. The 4x diluted results should not be used and were qualified as do-not-report (DNR-11) to indicate which result of multiple results should not be used.

LDW23-SS1159	LDW23-SS1155	LDW23-SS1161	LDW23-SS1162
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SDG 23A0419: Sample LDW23-SS1202 was initially analyzed at a 1x dilution and reanalyzed at a 4x dilution due to concentrations that exceeded the calibration range of the instrument; both sets of data were reported. The results that exceeded the calibration range of the instrument in the 1x analysis were qualified as do-not-report (DNR-20); all other compounds in the 4x dilution were qualified as do-not-report (DNR-11).

Several samples were initially analyzed at a 1x. Due to internal standard outliers, the sample was reanalyzed at a 4x dilution. Results were qualified as do-not-report (DNR-19 or DNR-11) as described in the **Internal Standards** section.

SDG 23A0455: Sample LDW23-SS1219 was initially analyzed at a 1x dilution and reanalyzed at a 4x dilution due to concentrations that exceeded the calibration range of the instrument; both sets of data were reported. The results that exceeded the calibration range of the instrument in the 1x analysis were E-flagged by the laboratory and were qualified as do-not-report (DNR-20); results for all other analytes in the 4x dilution were qualified as do-not-report (DNR-11).

SDG 23C0109: Sample LDW23-SS1105 was initially analyzed on 3/23/23 and reanalyzed on 5/27/23; both sets of data were reported. The 5/27/23 results should not be used and were qualified as do-not-report (DNR-11) to indicate which result of multiple results should not be used.

Sample LDW23-SS1104 was originally extracted on 3/9/23 and analyzed on 3/23/23. The results of this analysis indicated that the sample had been impacted during the extraction/cleanup process. The sample was re-extracted on 4/17/23 and re-analyzed on 5/1/23. The results from the re-extraction should be used. Results from the initial extraction were qualified as do-not-report (DNR-11). The results from the initial extraction were not reported in the PDF. No action was taken since the results are not being used.

SDG 23D0037: Sample LDW23-SS1812 was initially analyzed at a 1x dilution and reanalyzed at a 4x dilution due to concentrations that exceeded the calibration range of the instrument; both sets of data were reported. The results that exceeded the calibration range of the instrument in the 1x analysis were E-flagged by the laboratory and were qualified as do-not-report (DNR-20); results for all other analytes in the 4x dilution were qualified as do-not-report (DNR-11).

SDG 23D0393: For Sample LDW23-SS1231, the fluoranthene and pyrene results were flagged "E" by the laboratory indicating a response that exceeded the calibration range of the instrument. Associated results were estimated (J-20).

SDG 23E0219: Sample LDW23-SS1815 was initially analyzed at a 1x dilution and reanalyzed at a 5x dilution due to concentrations that exceeded the calibration range of the instrument; both sets of

data were reported. The results that exceeded the calibration range of the instrument in the 1x analysis were E-flagged by the laboratory and were qualified as do-not-report (DNR-20); results for all other analytes in the 4x dilution were qualified as do-not-report (DNR-11).

Compound Identification

SDG 22L0459: For Samples LDW23-SC1039C, LDW23-SC1007B, LDW23-SC1002C, the laboratory M-flagged positive results for butyl benzyl phthalate to indicate a poor spectral match. These results were estimated (J-14). For Sample LDW23-SC1070B, the laboratory M-flagged the reporting limit for butyl benzyl phthalate to indicate a poor spectral match. This result was judged as not impacted; no qualifier was assigned.

Calculation Verification

SDGs 23A0031, 23A0087: Several results were verified by recalculation from the raw data. No calculation or transcription errors were found.

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the noted exceptions, accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, MS/MSD, and CRM recovery values. With the noted exceptions, precision was acceptable as demonstrated by the RPD values for the LCS/LCSD, MS/MSD, and field duplicate analyses.

Reporting limits were elevated due to method blank contamination. Results were estimated due to holding time outliers, ICAL and CCAL %D outliers, internal standard accuracy outliers, LCS/LCSD accuracy and precision outliers, MS/MSD accuracy and precision outliers, surrogate accuracy outliers and calibration range exceedances. Other results were estimated because of poor spectral matching.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data for one standard was flagged DNR as described in the **Data Package Completeness** section. Data that have been flagged DNR should not be used for any purpose.

Data were rejected (R) based on very low surrogate recoveries. Rejected data should not be used for any reason. Samples with rejected data were re-extracted. In these cases, there are usable results for all data points.

All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW AOC5 MR Phase 1
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAH)
Semivolatile Organic Compounds (SVOC)
by EPA SW8270E-SIM

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Analytical Resources, LLC (ARL), Tukwila, Washington. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES	FRACTION	VALIDATION LEVEL
22L0383	8 Sediment	SVOC	EPA Stage 2B
22L0417	9 Sediment	SVOC	EPA Stage 2B
22L0459	7 Sediment	SVOC	EPA Stage 2B
23A0031	21 Sediment	SVOC	EPA Stage 4
23A0032	6 Sediment	cPAH	EPA Stage 4
	3 Sediment	SVOC	EPA Stage 2B
23A0087	15 Sediment	SVOC	EPA Stage 4
23A0088	3 Sediment	cPAH	EPA Stage 2B
	10 Sediment	SVOC	
23A0099	1 Sediment	cPAH	EPA Stage 4
	12 Sediment	SVOC	EPA Stage 2B
23A0100	23 Sediment	SVOC	EPA Stage 2B
23A0133	12 Sediment	SVOC	EPA Stage 2B
23A0134	1 Sediment	cPAH	EPA Stage 2B
	14 Sediment	SVOC	
23A0157	10 Sediment	SVOC	EPA Stage 2B
23A0158	13 Sediment	SVOC	EPA Stage 2B
23A0171	4 Sediment	SVOC	EPA Stage 2B
23A0179	12 Sediment	SVOC	EPA Stage 2B
23A0180	4 Sediment	SVOC	EPA Stage 2B
23A0206	14 Sediment	SVOC	EPA Stage 2B
23A0207	13 Sediment	cPAH	EPA Stage 2B
23A0249	6 Sediment	SVOC	EPA Stage 2B
	1 Sediment	cPAH	EPA Stage 2B
23A0295	9 Sediment	SVOC	EPA Stage 2B
	1 Sediment	cPAH	EPA Stage 2B
23A0313	5 Sediment	SVOC	EPA Stage 2B
	3 Sediment	cPAH	EPA Stage 2B
23A0326	7 Sediment	SVOC	EPA Stage 2B
	2 Sediment	cPAH	EPA Stage 2B

SDG	NUMBER OF SAMPLES	FRACTION	VALIDATION LEVEL
23A0328	11 Sediment	SVOC	EPA Stage 2B
23A0417	15 Sediment	SVOC	EPA Stage 2B
23A0418	11 Sediment	cPAH	EPA Stage 2B
23A0419	12 Sediment	SVOC	EPA Stage 2B
23A0420	4 Sediment	SVOC	EPA Stage 2B
	1 Sediment	cPAH	EPA Stage 2B
23A0455	18 Sediment	SVOC	EPA Stage 2B
23A0467	9 Sediment	SVOC	EPA Stage 2B
23B0229	6 Sediment	SVOC	EPA Stage 2B
23B0276	1 Sediment	SVOC	EPA Stage 2B
23C0071	6 Sediment	SVOC	EPA Stage 2B
23C0108	5 Sediment	SVOC	EPA Stage 2B
23C0109	2 Sediment	SVOC	EPA Stage 2B
23C0752	5 Sediment	SVOC	EPA Stage 2B
23C0774	14 Sediment	SVOC	EPA Stage 2B
23D0008	2 Sediment	SVOC	EPA Stage 2B
23D0037	2 Sediment	SVOC	EPA Stage 2B
	2 Sediment	cPAH	EPA Stage 2B
23D0063	2 Sediment	SVOC	EPA Stage 2B
23D0136	2 Sediment	SVOC	EPA Stage 2B
23D0393	16 Sediment	SVOC	EPA Stage 2B
	9 Sediment	cPAH	EPA Stage 2B
23D0394	7 Sediment	SVOC	EPA Stage 2B
	4 Sediment	cPAH	EPA Stage 2B
23D0396	2 Sediment	SVOC	EPA Stage 2B
23E0009	4 Sediment	SVOC	EPA Stage 2B
	1 Sediment	cPAH	EPA Stage 2B
23E0219	7 Sediment	SVOC	EPA Stage 2B
	5 Sediment	cPAH	EPA Stage 2B
23F0143	12 Sediment	SVOC	EPA Stage 2B
	1 Sediment	cPAH	EPA Stage 2B
	2 Sediment	Full PAH	EPA Stage 2B
23H0221	8 Sediment	SVOC	EPA Stage 2B
23H0579	12 Sediment	SVOC	EPA Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. With the noted exception, the laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDGs 22L0383 & 22L0417: For the tune analyzed on 1/28/23 at 15:52, the summary form indicated that the criteria for m/z 199 was not met. The lab reviewed the tune information and submitted a revised PDF with a corrected summary form.

SDG 22L0383: The raw data for several samples were missing from the PDF. The laboratory submitted a revised PDF.

SDG 23A0133: For the original PDF, an incorrect version of the initial calibration was used to quantitate some samples. In addition, for calibration GC00009, analyzed on 2/16/23, the calibration date is incorrectly listed as 3/3/23 on the summary forms (the date the data was processed). The laboratory submitted a revised PDF and EDD.

SDGs 23A0088, 23A0100, 23A0171: For calibration GC00009, analyzed on 2/16/23, the calibration date is incorrectly listed as 3/3/23 on the summary forms (the date the data was processed). No action was taken.

SDGs 23A0206, 23A0249, 23A0295, 23A0313, 23A0326: For calibration GC00032, analyzed on 3/1/23, the calibration date is incorrectly listed as 3/10/23 on the summary forms (the date the data was processed). The laboratory submitted revised PDFs.

SDGs 23A0206, 23A0295, 23A0313, 23A0326: The data for the tune associated with calibration GC00032 was missing from the PDF. The laboratory submitted revised PDFs.

SDG 23A0417: For calibration GC00032, analyzed on 3/1/23, the calibration date is incorrectly listed as 3/10/23 on the summary forms (the date the data was processed). No action was taken.

SDGs 23A0249, 23A0417: The data for the tune associated with ICAL GC00032 was missing from the PDF. The tune information was included in the PDF for SDG 23A0206. This information was reviewed. A revised PDF was not requested for these SDGs.

SDGs 23A0207, 23D0037: For the cPAH ICAL GD00068, analyzed on 4/26/23, the second source standard data was missing from the PDF. The laboratory submitted revised PDFs.

SDGs 23C0108, 23C0109: For ICAL GD00001 (analyzed 3/19/23), the summary forms show the ICAL date as 4/1/23 (date the ICAL was processed); no action was taken. The tune associated with this ICAL was missing from the PDF. The laboratory submitted a revised PDF.

SDG 23C0109, 23D0063: For ICAL GD00063 (analyzed 4/21/23), the associated tune was missing from the PDF. The laboratory submitted a revised PDF for SDG 23C0109. The tune information from this SDG was reviewed during the validation of SDG 23D0063. A revised PDF for SDG 23D0063 was not requested.

SDG 23D0037: The data for the tune associated with SVOC calibration GC00063 was missing from the PDF. The laboratory submitted a revised PDF.

SDG 23E0219: For Batch BLF0734, the parent sample concentrations on the MS/MSD Summary form did not match the parent sample concentrations on the Sample Summary form. The laboratory submitted a revised PDF.

SDG 23F0143: Samples LDW23-SS1230 and LDW23-SS1063 were analyzed by the laboratory for full list cPAH instead of the SVOC Scan list.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory quality control sample results were also verified (10%).

SDG 23A0295: The sampling times for Sample LDW23-IT1027 did not match between the chains-of-custody (COC) and the EDD. The time entered in the EDD is correct. No action was taken.

SDG 23A0313: Sample matrix entered as "SN" in the EDD. The CoC indicates that that sample matrix is sediment. No action was taken.

SDG 23C0109: Sample LDW23-SS1104 was originally extracted on 3/9/23 and analyzed on 3/23/23. The results of this analysis indicated that the sample had been impacted during the extraction/cleanup process. The sample was re-extracted on 4/17/23 and re-analyzed on 5/1/23. The results from the re-extraction should be used. Results from the initial extraction were qualified as do-not-report (DNR-11). The results from the initial extraction were not reported in the PDF. No action was taken since the results are not being used.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table:

2	Sample Receipt, Preservation, and Holding Times	1	Field Duplicates
✓	GC/MS Instrument Performance	✓	Target Analyte List
2	Initial Calibration (ICAL)	2	Internal Standards
2	Continuing Calibration (CCAL)	2	Certified Reference Material
2	Laboratory Blanks	1	Reporting Limits
1	Field Blanks	2	Reported Results
2	Surrogate Compounds	✓	Compound Identification
2	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)		

✓ Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

¹ Quality control results are discussed below, but no data were qualified.

² Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, Holding Times

As stated in validation guidance documents, sample shipping coolers should arrive at the laboratory within the advisory temperature range of $\leq 6^{\circ}\text{C}$. All samples were stored frozen upon receipt at the laboratory.

SDG 23A0088: For Samples LDW23-SC1265, LDW23-SC1247, LDW23-SC1270, LDW23-SC1276, the identification portion "SC" was missing from the chains-of-custody (COC). The client confirmed "SC" should be included and the segment was added during login.

SDG 23A0418: Samples were received by the laboratory on ice at 6.9°C . Samples were received at the laboratory the same day as collection; samples did not have time to chill to $< 6^{\circ}\text{C}$. Samples were immediately stored frozen at $< -18^{\circ}\text{C}$. Data judged to not be significantly impacted by the temperature outlier. No action was taken.

SDG 23D0394: For Sample LDW23-SS1098, benzyl alcohol was reported from the 8270E analysis rather than the 8270E-SIM analysis.

For Samples LDW23-IT1806 and LDW23-IT1807, cPAH analytes were reported from the 8270E analyses rather than the 8270E-SIM analyses.

Initial Calibration

Initial calibrations (ICAL) were analyzed at the proper frequency. The laboratory used a calibration curve if the percent relative standard deviation (RSD) was greater than 15%. With the noted exceptions, all curve coefficients of determination (COD) were within the control limit (COD > 0.990). Second source calibration verification (SCV) standards were analyzed at the required frequency. With the noted exceptions, the percent drift (%D) values were within the method limit of $\pm 30\%$.

SDGs 22L0383, 22L0417: For ICAL GA00073, the second-source calibration verification standard %D values for benzoic acid and 2,4-dimethylphenol were outside the control limit, indicating a potential low bias; results for these analytes in the associated samples were estimated (J/UJ-5CL).

SDG 22L0459: For ICAL GB00019, the second-source calibration verification standard %D values for benzoic acid and 2,4-dimethylphenol were outside the control limit, indicating a potential low bias; results for these analytes in the associated samples were estimated (J-5CL).

SDG 23A0031, 23A0032, 23A0087, 23A0088: For calibration GB00019, the second-source calibration verification standard %D values for benzoic acid and 2,4-dimethylphenol outside the control limit, indicating a potential low bias; results for these analytes in associated samples were estimated (J/UJ-5CL).

SDG 23A0088, 23A0100, 23A0133, 23A0157, 23A0171: For SVOC calibration GC00009, the RSD value for benzoic acid was greater than the control limit at 51.4%. The laboratory did not use a calibration curve in this situation; positive results in the associated samples were estimated (J-5A).

For the SCV, the %D value for benzoic acid was outside the control limit indicating a potential low bias; results in the associated samples were estimated (J/UJ-5CL).

SDG 23A0099, 23A0100: For SVOC calibration GB00042, the COD for benzoic acid did not meet the required control limit; positive results in the associated sample were estimated (J-5A).

For the SCV, the %D value for benzoic acid was outside the control limit indicating a potential low bias; associated results were estimated (J/UJ-5CL).

SDG 23A0100, 23A0134, 23A0158, 23A0328, 23A0419: For SVOC calibration GC00036, the COD for benzoic acid was greater than the required control limit; positive results in the associated samples were estimated (J-5A).

For the SCV, the %D values for benzoic acid and pentachlorophenol were outside the control limit indicating a potential low bias; results in the associated samples were estimated (J/UJ-5CL).

The surrogates 2-fluorophenol and terphenyl-d14 were not added to the SCV. The continuing calibration standards bracketing the field samples contained the surrogate analytes; no action was taken.

SDG 23A0179, 23A0180, 23A0420, 23A0467, 23C0071, 23C0752, 23C0774, 23D0008: For the SVOC calibration GC00049, the SCV standard %D for benzoic acid was outside the control limit indicating a potential low bias; results in the associated samples were estimated (J/UJ-5CL).

The surrogates 2-fluorophenol and terphenyl-d14 were not added to the SCV. The continuing calibration standards bracketing the field samples contained the surrogate analytes; no action was taken.

SDG 23A0206, 23A0249, 23A0295, 23A0313, 23A0326, 23A0417: For the SVOC calibration GC00032, the SCV standard %D for benzoic acid was outside the control limit indicating a potential low bias; results in the associated samples were estimated (J/UJ-5CL).

SDG 23B0229, 23B0276: Surrogates were not added to the SCV standard. The continuing calibration standards bracketing the field samples contained the surrogate analytes; no action was taken.

SDG 23C0108, 23C0109: Surrogates were not added to the SCV standard for ICAL GD00001 analyzed on 3/19/23. The continuing calibration standards bracketing the field samples contained the surrogate analytes; no action was taken.

SDG 23D0136, 23D0393: For the SVOC calibration GE00018, the SCV standard %D value for 2,4-dimethylphenol was less than the lower control limit indicating a potential low bias; results in the associated samples were estimated (J/UJ-5CL). Surrogates were not added to the SCV standard. The continuing calibration standards bracketing the field samples contained the surrogate analytes; no action was taken.

SDG 23H0221, 23H0579: Surrogates were not added to the SCV standard for ICAL GH00045 analyzed on 8/10/23. The continuing calibration standards bracketing the field samples contained the surrogate analytes; no action was taken.

Continuing Calibration

A continuing calibration verification (CCAL) standard was analyzed at the required frequency. With the noted exceptions, the percent difference (%D) values were within the required control limits of $\pm 20\%$ ($\pm 50\%$ for low level CCAL). When the CCAL %D values indicate a potential low bias, associated results are estimated (J/UJ-5BL). Only the associated positive results are estimated (J-5BH) if the %D value indicates a potential high bias. In cases where an analyte response was inconsistent (low bias and high bias in a 12-hour analytical sequence), results were estimated (J/UJ-5B) with no bias. No qualifiers were assigned for CCAL %D outliers that were only associated with laboratory QC samples. No qualifiers were assigned for CCAL surrogate %D outliers.

In cases where an analyte was not detected in a low-level standard, the reporting limit was elevated, and an additional low-level standard, at a higher concentration, was analyzed to demonstrate that the instrument could meet the elevated reporting limit. See the **Reporting Limits** section for further details.

The following CCAL outliers resulted in qualification:

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
22L0383 22L0417	1/31/23 @ 13:25	Benzyl alcohol	Low	J/UJ-5BL
		Pentachlorophenol	Low	J/UJ-5BL
	1/31/23 @ 21:52	Benzoic acid	Low	J/UJ-5BL
		Pentachlorophenol	Low	J/UJ-5BL
	2/1/23 @ 6:19	Benzoic acid	Low	J/UJ-5BL
		Pentachlorophenol	Low	J/UJ-5BL
	2/1/23 @ 7:19 (low level)	Benzyl alcohol	Low	J/UJ-5BL
		Benzoic acid	Low	J/UJ-5BL
		Pentachlorophenol	Low	J/UJ-5BL
23A0031	2/7/23 @ 19:58	Benzoic acid	Low	J/UJ-5BL
	2/7/23 @ 19:20 (low level 2)	Benzoic acid	Low	J/UJ-5BL
	2/7/23 @ 20:36 (low level 1)	Pentachlorophenol	Low	J/UJ-5BL
		Benzoic acid	Not detected RL elevated	J/UJ-5BL
22L0459 23A0031	2/8/23 @ 18:52	Benzyl alcohol	High	J-5BH
	2/9/23 @ 01:13	Benzyl alcohol	High	J-5BH
23A0031 23A0032	2/9/23 @ 14:49	Benzoic Acid Pentachlorophenol	Low	J/UJ-5BL

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23A0087	2/9/23 @ 15:28 (low level)	Benzoic acid Pentachlorophenol	Low	J/UJ-5BL
	2/10/23 @ 02:26	Benzoic acid	Low	J/UJ-5BL
23A0031 23A0087	2/10/23 @ 02:26	Benzoic acid	Low	J/UJ-5BL
	2/10/23 @03:04 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/10/23 @ 10:47	Benzoic acid	low	J/UJ-5BL
23A0087	2/10/23 @ 17:22	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/10/23 @ 18:00 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/11/23 @ 04:15	Benzyl alcohol	High	J-5BH
		Benzoic acid	Low	J/UJ-5BL
23A0087 23A0088	2/11/23 @ 04:15	Benzyl alcohol	High	J-5BH
		Benzoic acid	Low	J/UJ-5BL
	2/11/23 @ 04:54 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/11/23 @ 11:56	Benzyl alcohol	High	J-5BH
23A0099	2/11/23 @ 18:39 (low level)	Benzoic acid	Low	J/UJ-5B
		pentachlorophenol 2,4-dimethlyphenol	Low	J/UJ-5BL
	2/12/23 @ 07:19	Benzoic acid	High	J/UJ-5B
		Pentachlorophenol	Low	J/UJ-5BL
23A0088	2/17/23 @ 12:30	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/17/23 @ 11:54 (low level 2)	Benzoic acid	Low	J/UJ-5BL
	2/17/23 @13:06 (low level 1)	Benzoic acid pentachlorophenol	Not detected RL elevated	J/UJ-5BL
	2/17/23 @ 21:31	Benzoic acid	Low	J/UJ-5BL
23A0100 23A0171	2/17/23 @ 21 :31	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/17/23 @ 22:06 (low level)	Benzoic acid pentachlorophenol benzyl alcohol	Low	J/UJ-5BL
	2/18/23 @ 07:42	Benzoic acid pentachlorophenol	Low	J/UJ-5BL

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23A0100	2/20/23 @ 00:21	Benzoic acid	Low	J/UJ-5B
		pentachlorophenol		J/UJ-5BL
	2/20/23 @ 02:21	Benzoic acid	Low	J/UJ-5B
		pentachlorophenol		J/UJ-5BL
	2/20/23 @ 15:48	Benzoic acid	High	J/UJ-5B
		pentachlorophenol benzyl alcohol	Low	J/UJ-5BL
23A0133	2/22/23 @ 08:08	Benzoic acid	Low	J/UJ-5B
		2,4-dimethylphenol	High	J-5BH
	2/22/23 @ 08:44 (low level)	Benzyl alcohol pentachlorophenol	Low	J/UJ-5BL
		Benzoic Acid	High	J/UJ-5B
	2/22/23 @ 17:47	Benzoic acid	Low	J/UJ-5B
		2,4-dimethylphenol	High	J-5BH
23A0133	2/22/23 @ 17:47	Benzoic acid	Low	J/UJ-5B
		2,4-dimethylphenol	High	J-5BH
	2/22/23 @ 18:23 (low level)	Benzyl alcohol	Low	J/UJ-5BL
		Benzoic acid	High	J-5B
		Pentachlorophenol	Low	J/UJ-5BL
	2/23/23 @ 02:14	Benzoic acid	Low	J/UJ-5B
2,4-dimethylphenol n-nitrosodiphenylamine		High	J-5BH	
23A0157	2/23/23 @ 02:14	Benzoic acid	Low	J/UJ-5B
		N-Nitrosodiphenylamine 2,4-dimethylphenol 1,2,4-trichlorobenzene	High	J-5BH
		Benzoic acid	High	J/UJ-5B
	2/23/23 @ 02:51 (low level)	Benzyl alcohol	High	J-5BH
		Pentachlorophenol	Low	J/UJ-5BL
23A0134	2/26/23 12:48	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/26/23 14:31 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0134	2/27/23 17:43	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/27/23 19:50 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/28/23 @ 13:55	Benzoic acid pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23A0158	2/28/23 @ 20:57	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	2/28/23 @ 22:18 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/1/23 @ 08:25	Pentachlorophenol	Low	J/UJ-5BL
23A0158	3/1/23 @ 08:25	Pentachlorophenol	Low	J/UJ-5BL
	3/1/23 @ 09:46 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0206	3/2/23 @ 14:13	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/2/23 @ 16:17 (low level)	Benzoic acid	Low	J/UJ-5BL
	3/2/23 @ 23:16	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0206	3/2/23 @ 23:16	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/2/23 @ 23:54 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/3/23 @ 06:14	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0206	3/3/23 @ 06:14	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/3/23 @ 06:52 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/3/23 @ 11:56	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0249 23A0295	3/4/23 @ 02:40	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/4/23 @ 03:18 (low level)	Benzoic acid pentachlorophenol		
	3/4/23 @ 10:17	Benzoic acid pentachlorophenol		
23A0295	3/4/23 @ 10:17	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/4/12 @ 10:55 (low level)	Benzoic acid pentachlorophenol		
	3/4/23 @ 17:17	Benzoic acid pentachlorophenol		

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23A0313	3/5/23 @ 14:40	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/5/23 @ 15:18 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/5/23 @ 15:56 (low level)	Benzyl alcohol Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/5/23 @ 22:16	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0313 23A0326	3/5/23 @ 22:16	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/5/23 @ 22:54 (low level)			
	3/5/23 @ 23:32 (low level)			
	3/6/23 @ 00:09 (low level)			
	3/6/23 @ 05:10			
23A0326	3/6/23 @ 05:10	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/6/23 @ 06:25 (low level)			
	3/6/23 @ 11:27			
23A0328	3/7/23 @ 00:37	Pentachlorophenol	Low	J/UJ-5BL
	3/7/23 @ 01:17 (low level 2)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/7/23 @ 01:57 (low level 1)	Benzoic acid	Low	J/UJ-5BL
		Pentachlorophenol	Not detected RL elevated	J/UJ-5BL
	3/7/23 @ 08:40	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0328	3/7/23 @ 08:40	Benzoic acid	Low	J/UJ-5BL
	3/7/23 @ 10:01 (low level)	Benzoic acid	Low	J/UJ-5BL
		Pentachlorophenol	Low	J/UJ-5BL
	3/7/23 @ 14:46	Benzoic acid pentachlorophenol	Low	J/UJ-5BL

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23A0328	3/7/23 @ 14:46	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/7/23 @ 16:07 (low level)	Benzoic acid	Low	J/UJ-5BL
		Pentachlorophenol	Low	J/UJ-5BL
	3/7/23 @ 20:50	Benzoic acid Pentachlorophenol	Low	J/UJ-5BL
23A0417	3/11/23 @ 17:54	Benzoic acid Pentachlorophenol N-nitrosodiphenylamine	Low	J/UJ-5BL
	3/11/23 @ 18:32 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/12/23 @ 03:05	Benzoic acid Pentachlorophenol N-nitrosodiphenylamine	Low	J/UJ-5BL
	3/12/23 @ 03:43 (low level)	Benzoic acid Pentachlorophenol	Low	J/UJ-5BL
	3/12/23 @ 16:57	Benzoic acid Pentachlorophenol N-nitrosodiphenylamine	Low	J/UJ-5BL
23A0100	3/12/23 @ 17:47	Benzoic acid	Low	J/UJ-5BL
	3/12/23 @ 18:27 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/13/23 @ 04:35	Pentachlorophenol	Low	J/UJ-5BL
23A0100 23A0419	3/13/23 @ 04:35	Pentachlorophenol	Low	J/UJ-5BL
	3/13/23 @ 05:56 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/13/23 @ 15:22	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0419	3/13/23 @ 15:22	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/13/23 @ 16:43 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/14/23 @ 02:07	Benzoic acid pentachlorophenol	Low	J/UJ-5BL

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23A0099 23B0229 23B0276	3/17/23 15:39	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/17/23 16:16 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/17/23 16:52 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/18/23 00:07	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0420	3/17/23 @ 19:40	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/17/23 @ 20:57 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/18/23 @ 04:35	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23A0099 23B0229 23B0276	3/18/23 00:07	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/18/23 00:43 (low level 2)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/18/23 01:19 (low level 1)	Benzoic acid	Not Detected*	J/UJ-5BL
		Pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL
3/18/23 @ 08:30	Benzoic acid pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL	
23A0467	3/18/23 @ 18:58	Pentachlorophenol	Low	J/UJ-5BL
	3/18/23 @ 20:16 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/19/23 @ 05:13 (low level)	Benzoic acid pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL
23A0455	3/19/23 @ 18:51	pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL
	3/19/23 @ 19:27 (low level)	pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL
	3/20/23 @ 04:28	Benzoic acid	Low	J/UJ-5BL
	3/20/23 @ 05:04 (low level)	Benzoic acid	Low	J/UJ-5BL
	3/20/23 @ 15:01	pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL
23C0071	3/21/23 @ 19:43 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23C0108	3/22/23 @ 18:36	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/22/23 @ 19:58 (low level)	Benzoic acid	Not detected RL elevated	J/UJ-5BL
	3/23/23 @ 04:45	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23C0108 23C0109	3/23/23 @ 04:45	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	3/23/23 @ 5:25 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23C0774 23D0008	4/19/23 @ 12:48	Benzoic acid	Low	J/UJ-5BL
	4/19/23 @ 13:26 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	4/19/23 @ 22:11	Benzoic acid	Low	J/UJ-5BL
23C0774 23D0008	4/19/23 @ 22:11	Benzoic acid	Low	J/UJ-5BL
	4/19/23 @ 22:49 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	4/20/23 @ 08:57	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23C0752	4/20/23 @ 08:57	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	4/20/23 @ 09:35 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23C0109	5/1/23 @ 16:22	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/1/23 @ 16:59 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/2/23 @ 00:58	Pentachlorophenol	Low	J/UJ-5BL
23D0037 23D0063	5/1/23 @ 16:22	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/1/23 @ 16:59 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/2/23 @ 00:58	Pentachlorophenol	Low	J/UJ-5BL
23D0136	5/5/23 @ 12:43 (low level 2)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/5/23 @ 13:22	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/5/23 @ 14:01 (low level 1)	Benzoic acid	Not detected RL elevated	J/UJ-5BL
		pentachlorophenol	Low	
5/5/23 @ 21:08	Benzoic acid pentachlorophenol	Low	J/UJ-5BL	

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23D0393	5/8/23 @ 17:42	Benzyl alcohol Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/8/23 @ 17:03 (low level 2)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/8/23 @ 18:21 (low level 1)	Benzoic acid	Not detected RL elevated	J/UJ-5BL
		pentachlorophenol	Low	J/UJ-5BL
	5/9/23 @ 05:18	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23D0393	5/9/23 @ 05:18	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	5/9/23 @ 05:57 (low level)	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
		Benzyl alcohol	Low	J/UJ-5BL
	5/9/23 @ 13:45	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23D0394 23D0396	5/27/23 @ 01:48	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
23E0219	6/5/23 @ 15:45 (low level)	Benzoic acid	Low	J/UJ-5BL
	6/6/23 @ 01:00	Pentachlorophenol	Low	J/UJ-5BL
23F0143	7/6/23 @ 16:50 (low level 2)	Benzoic acid pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL
	7/6/23 @ 17:28	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	7/6/23 @ 18:05 (low level 1)	Benzoic acid pentachlorophenol	Not detected RL elevated	J/UJ-5BL
	7/7/23 @ 04:01	Benzyl alcohol pentachlorophenol	Low	J/UJ-5BL
23E0219	7/7/23 @ 10:47	Benzyl alcohol pentachlorophenol	Low	J/UJ-5BL
	7/7/23 @ 11:24 (low level)	Benzyl alcohol	Not detected RL elevated	--
		Pentachlorophenol	Low	J/UJ-5BL
	7/7/23 @ 18:15	Benzyl alcohol pentachlorophenol	Low	J/UJ-5BL
23E0219 23F0143	7/19/23 @ 14:03	Benzoic acid pentachlorophenol	Low	J/UJ-5BL
	7/20/23 @ 00:07	Benzoic acid pentachlorophenol Benzyl alcohol	Low	J/UJ-5BL

SDG	CCAL DATE	COMPOUND	POTENTIAL BIAS	ACTION
23H0221	8/11/23 @ 13:27	Benzoic acid	Low	J/UJ-5BL

* Benzoic acid reporting limit is 100 ug/Kg for associated samples. LCV3 standard, analyzed before this standard, demonstrates that the reporting limit is met.

Laboratory Blanks

A method blank was analyzed at the required frequency of one per batch of 20 or fewer samples. Action levels were established at five times (5x) the concentration reported in the field blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U-7). No action is taken if the sample result is greater than the action level, or for non-detected results.

SDGs 22L0383, 22L0417: For batch BLA0055, 1,2-dichlorobenzene, n-nitrosodiphenylamine, 1,4-dichlorobenzene, and pentachlorophenol were detected in the method blank. Results in the associated samples that were less than the action levels were qualified as not detected (U-7).

SDG 22L0459: For batch BLA0064, 1,4-dichlorobenzene was detected in the method blank. Results in the associated samples that were less than the 5x action levels were qualified as not detected (U-7).

SDG 23A0031: For batch BLA0160, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. Pentachlorophenol was detected in a method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23A0100, 23A0171: For batch BLA0339, 1,4-dichlorobenzene was detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

For batch BLA0250, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. Benzyl alcohol and pentachlorophenol were detected in the various method blanks. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23A0134: For batch BLA0410, 1,4-dichlorobenzene and 1,2-dichlorobenzene were detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

For batch BLA0411, indeno(1,2,3-cd)pyrene and dibenzo(a,h)anthracene were detected in the method blank. Results in the associated samples were greater than the action level; no qualifiers were assigned.

SDG 23A0157: For batch BLA0474, 1,4-dichlorobenzene, 1,2-dichlorobenzene, and benzyl alcohol were detected in the method blank. Results in the associated samples that were less than the action levels were qualified as not detected (U-7).

SDG 23A0158: For batch BLA0554, benzyl alcohol and benzoic acid were detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23A0206: For batch BLA0624, 1,2-dichlorobenzene was detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23A0249, 23A0295: For batch BLA0673, 1,4-dichlorobenzene was detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23A0313, 23A0326: For batch BLA0685, 1,4-dichlorobenzene and benzyl alcohol were detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23A0328: For batch BLB0019, benzyl alcohol was detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23A0419: For batch BLB0250, the laboratory analyzed and reported the method blank three times. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. Benzyl alcohol and pentachlorophenol were detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23A0420: For batch BLB0495, 1,4-dichlorobenzene and 1,2-dichlorobenzene were detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23B0229, 23B0276: For batch BLB0424, 1,4-dichlorobenzene was detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23C0071: For batch BLC0109, 1,4-dichlorobenzene and 1,2-dichlorobenzene were detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23C0108, 23C0109: For batch BLC0185, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. The analyte 1,4-dichlorobenzene was detected in the method blank. Results for 1,4-dichlorobenzene in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23C0774, 23D0008: For batch BLD0057, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. The analyte 1,4-dichlorobenzene was detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDGs 23C0109, 23D0037, 23D0063: For the SVOC batch BLD0297, the analytes 1,4-dichlorobenzene and 1,2-dichlorobenzene were detected in the method blank. Results for the associated samples that were below the action level were qualified as not detected (U-7).

SDG 23D0393: For the SVOC batch BLD0571, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. Pentachlorophenol was detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

For the cPAH batch BLD0568, the analytes benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene and indeno(1,2,3-cd)pyrene were detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23D0394: For the SVOC batch BLD0607, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. Benzyl alcohol, 1,4-dichlorobenzene and 1,2-dichlorobenzene were detected in the method blank. Results for the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23D0396: For the SVOC batch BLD0607, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. The analytes 1,4-dichlorobenzene and 1,2-dichlorobenzene were detected in the method blank. Results for the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23E0009: For the SVOC batch BLE0148, 1,4-dichlorobenzene was detected in the method blank. Results in the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23E0219: For the SVOC batch BLE0422, the analytes 1,4-dichlorobenzene and benzyl alcohol were detected in the method blank. Results for the associated samples that were less than the action level were qualified as not detected (U-7).

For the SVOC batch BLF0734, benzyl alcohol was detected in the method blank. Results for the associated samples that were less than the action level were qualified as not detected (U-7).

SDG 23F0143: For the SVOC batch BLF0249, the laboratory analyzed and reported the method blank twice. The highest positive result for each analyte in the analyses of the method blank was used to evaluate the associated samples. The %R value for the acid surrogate was less than 10% indicating a potential low bias in the method blank; therefore, results were qualified as follows:

ANALYTE	FRACTION	ACTION LEVEL	QUALIFIER	COMMENT
1-4-Dichlorobenzene	BN	< 5x	U-7	
Benzyl alcohol	acid	< 5x	U-7	
		5x – 10x	J-7	
Benzoic acid	acid	< 5x	U-7	
		5x – 10x	J-7	
2,4-Dimethylphenol	acid	NA	NA	Not detected. Associated sample results were all < RL and judged as not significantly impacted.
Pentachlorophenol	acid	NA	NA	

SDG 23H0221: For the SVOC batch BLH0329, benzoic acid was detected in the method blank. Positive results less than the action level were qualified as not detected (U-7).

Field Blanks

No field blanks were submitted.

Surrogate Compounds

For SVOC analyses, two surrogate compounds, one acid (2-fluorophenol) and one base-neutral (BN) (p-terphenyl-d14), were added to all field and laboratory QC samples. For cPAH analyses, three surrogate compounds (fluoranthene-d10, 2-methylnaphthalene-d10, and dibenzo(a,h)anthracene-d14,) were added to all field and laboratory QC samples. When the surrogate percent recovery (%R) values were less than the lower control limits, associated results were estimated (J/UJ-13L). When the surrogate %R values were greater than the upper control limit, only the positive results were estimated (J-13H). If the surrogate %R values are less than 10% recovery, the reporting limits are rejected (R-13L) and positive results are estimated (J-13L). For cPAH analyses, if only one of the three surrogates were outside control limits, no action was taken. No action was taken for analyses done at dilutions of 10x or higher.

Although several surrogate outliers were noted, only the following outliers required qualification:

SDG	ANALYSIS	SAMPLE	OUTLIER	BIAS	QUALIFIER	COMMENT
23A0031	SVOC	LDW23-SS1199-FD	terphenyl-d14	High	J-13H	BN compounds
23A0099	SVOC	LDW23-SC1186	terphenyl-d14	High	J-13H	BN compounds
23A0158	SVOC	LDW23-SS1047	terphenyl-d14	High	J-13H	BN compounds

SDG	ANALYSIS	SAMPLE	OUTLIER	BIAS	QUALIFIER	COMMENT
23A0206	SVOC	LDW23-SS1096	terphenyl-d14	High	J-13H	BN compounds
		LDW23-SS1094				
		LDW23-SS1066				
		LDW23-SS1061				
23A0249	SVOC	LDW23-SC1083	terphenyl-d14	High	J-13H	BN compounds
		LDW23-SC1018				
		LDW23-SC1084				
		LDW23-SC1025				
		LDW23-SC1024				
23A0295	SVOC	LDW23-SC1074	terphenyl-d14	High	J-13H	BN compounds
		LDW23-SC1075				
		LDW23-SC1038B				
		LDW23-SC1023B				
		LDW23-SC1022A				
		LDW23-SC1017B				
		LDW23-SC1019				
		LDW23-SC1026				
LDW23-IT-1041						
23A0313	SVOC	LDW23-SC1016A	terphenyl-d14	High	J-13H	BN compounds
		LDW23-SC1011A				
		LDW23-SC1006A				
		LDW23-SC1012B				
		LDW23-SC1159				
23A0326	SVOC	LDW23-SC1028	2-Fluorophenol	<10%	J/R-13L**	Acid compounds
			Terphenyl-d14	High	J-13H	BN compounds
		LDW23-SC1032	Terphenyl-d14	High	J-13H	BN compounds
		LDW23-SC1170A				
		LDW23-SC1169C				
		LDW23-SC1161				
		LDW23-SC1155				
		LDW23-SC1162B				

SDG	ANALYSIS	SAMPLE	OUTLIER	BIAS	QUALIFIER	COMMENT
23A0417	SVOC	LDW23-SS1128	Terphenyl-d14	High	J-13H	BN compounds
		LDW23-SS1095				
		LDW23-SS1084				
		LDW23-SS1083				
		LDW23-SS1082				
		LDW23-SS1081				
		LDW23-SS1074				
23A0420	SVOC	LDW23-SC1082	Terphenyl-d14	High	J-13H	BN compounds
23A0455	SVOC	LDW23-SS1051	Terphenyl-d14	High	J-13H	BN compounds
23A0467	SVOC	LDW23-SS1204	Terphenyl-d14	High	J-13H	BN compounds
23B0229 23B0276	SVOC	All field samples	Terphenyl-d14	High	J-13H	BN compounds
23D0393	SVOC	LDW23-SS1233	2-Fluorophenol	<10%	J/R-13L*	Acid compounds - 2,4-dimethylphenol benzyl alcohol rejected.
		LDW23-SS1231	2-Fluorophenol	Low	J/UJ-13L	Acid compounds
		LDW23-SS1097	2-Fluorophenol	Low	J/UJ-13L	Acid compounds
		LDW23-SS1068	2-Fluorophenol	<10%	J/R-13L*	Acid compounds - 2,4-dimethylphenol benzoic acid benzyl alcohol rejected.
23D0394	SVOC	LDW23-SS1034	2-Fluorophenol	Low	J/UJ-13L	Acid compounds
23E0009	SVOC	LDW23-SS1805	2-Fluorophenol	Low	J/UJ-13L	Acid compounds
23E0219	SVOC	LDW23-SS1126	2-Fluorophenol	<10%	J-13L	Benzy alcohol Benzoic acid
23F0143	SVOC	LDW23-SS1275	2-Fluorophenol	Low	J/UJ-13L	Acid compounds
	SVOC	LDW23-SC1012A	2-Fluorophenol	Low	J/UJ-13L	Acid compounds

* Samples with rejected results were re-extracted in SDG 23H0221. See **Reported Results** section for further details.

** Pentachlorophenol (which was rejected in the 8270E-SIM analysis) was reported from the 8270E analysis.

SDG 23E0219: For Sample LDW23-SS1126, the %R value for the acid surrogate was less than 10%. For Sample LDW23-SS1146, surrogate analytes were not recovered. Both samples were re-extracted. See **Reported Results** section for further details.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency of one per batch of 20 or fewer samples. No action is taken unless both

the LCS and LCSD percent recovery (%R) values are outside the control limits for %R outliers. Sample results were rejected (R) when the %R for both the LCS and LCSD were <10% and the analyte was not detected in the associated sample. Precision is evaluated using the relative percent difference (RPD) values calculated between the LCS and LCSD results. Any RPD values outside the control limits indicate uncertainty in the measured results for the sample. Qualifiers are issued to all samples in the analysis batch.

When the LCS/LCSD %R values indicate a potential low bias, associated results are estimated (J/UJ-10L). Only the associated positive results are estimated (J-10H) if the %R values indicate a potential high bias. Associated positive results are estimated (J-9) if the RPD values indicate uncertainty.

SDGs 22L0383, 22L0417: For batch BLA0055, the RPD value for 2,4-dimethylphenol was greater than the control limit; positive results in associated samples were estimated (J-9). The LCS %R value for 2,4-dimethylphenol was very low (<10%) but was in control in the associated LCSD sample. Due to the very low LCS recovery, all 2,4-dimethylphenol results in the associated samples were estimated (J/UJ-10L).

SDG 22L0459: For batch BLA0064, the RPD values for the following analytes were greater than the control limit; positive results in the associated samples were estimated (J-9).

Benzyl alcohol	Benzoic acid
2,4-Dimethylphenol	n-Nitrosodiphenylamine
1,4-Dichlorobenzene	Pentachlorophenol
1,2,4-Trichlorobenzene	1,2-Dichlorobenzene

SDG 23A0031: For batch BLA0160 (SVOC), the %R value for pentachlorophenol was greater than the upper control limit in the MSD but within the control limit for the MS. No qualifiers were assigned for the single outlier.

SDGs 23A0031, 23A0032, 23A0087: For batch BLA0163 (SVOC), the RPD value of 2,4-dimethylphenol was greater than the control limit; positive results in the associated samples were estimated (J-9).

SDG 23A0032: For batch BLA0171 (cPAH), the %R values for benzo(b)fluoranthene and benzo(k)fluoranthene were greater than the upper control limit in the LCS but within control limits for the LCSD; no qualifiers were assigned for the single outliers. The RPD values for all analytes were greater than the control limit; positive results in the associated samples were estimated (J-9).

SDG 23A0088, 23A0099: For batch BLA0285 (cPAH), the %R values for benzo(b)fluoranthene and benzo(k)fluoranthene were greater than the upper control limit for the LCS but within control limits for the LCSD; no qualifiers were assigned for the single outliers.

SDG 23A0099: For batch BLA0288 (SVOC), the LCS/LCSD %R values for pentachlorophenol were greater than the upper control limit; positive results in the associated samples estimated (J-10H).

SDG 23A0099, 23B0229, 23B0276: For batch BLB0424 (SVOC), the RPD value for 2,4-dimethylphenol was greater than the control limit; positive results in the associate samples were estimated (J-9).

SDG 23A0100, 23A0171: For batch BLA0339 (SVOC), the RPD value for 2,4-dimethylphenol was greater than the control limit. Associated positive results were estimated (J-9).

SDG 23A0100: For batch BLB0250 (SVOC), the %R values for benzoic acid were greater than the upper control limit for the LCS/LCSD; positive results in the associated samples were estimated (J-10H). The %R values for pentachlorophenol for the LCS/LCSD were greater than the upper control limit; pentachlorophenol was not detected in the associated samples; no qualifiers were assigned.

SDG 23A0133: For batch BLA0393 (SVOC), the RPD value for 2,4-dimethylphenol was greater than the control limit. Positive results in the associated samples were estimated (J-9). The %R value for 2,4-dimethylphenol was greater than the upper control limit in the LCSD but within control limits for the LCS; no qualifiers were assigned for the single outlier.

SDG 23A0134: For batch BLA0410 (SVOC), the %R value for pentachlorophenol was greater than the upper control limit in the LCSD but within control limits for the LCS; no qualifiers were assigned for the single outlier.

SDG 23A0158: For batch BLA0554 (SVOC), the RPD value for 2,4-dimethylphenol was greater than the control limit. 2,4-dimethylphenol was not detected in the associated samples; no qualifiers were assigned. The LCSD %R value for pentachlorophenol was greater than the upper control limit but within the control limit for the LCS; no qualifiers were assigned for the single outlier.

SDG 23A0206: For batch BLA0624 (SVOC), the LCS/LCSD %R values for pentachlorophenol were greater than the upper control limit; positive results in the associated samples were estimated (J-10H).

SDG 23A0417: For batch BLB0026 (SVOC), the RPD value for 2,4-dimethylphenol was greater than the control limit. Positive results in the associated samples were estimated (J-9).

SDG 23A0419: For batch BLB0250 (SVOC), the LCS/LCSD %R values for 2,4-dimethylphenol and pentachlorophenol were greater than the upper control limit. The analytes were not detected in the associated samples; no qualifiers were assigned.

SDG 23A0420: For batch BLB0495 (SVOC), the RPD values for benzoic acid and 2,4-dimethylphenol were greater than the control limit. Positive results for these analytes in the associated samples were estimated (J-9). The LCSD %R value for pentachlorophenol was greater than the control limit but the %R value for the LCS was within control limits; no qualifiers were assigned for the single outlier.

SDG 23A0455: For batch BLB0498 (SVOC), the RPD value for 2,4-dimethylphenol was greater than the control limit. Positive results for these analytes in the associated samples were estimated (J-9).

SDG 23C0071: for Batch BLC0109, the RPD value for 2,4-dimethylphenol was greater than the control limit. Positive results for this analyte in the associated samples were estimated (J-9). The %R value for pentachlorophenol was greater than the upper control limit for the LCSD but within control limits for the LCS; no qualifiers were assigned for the single outlier.

SDG 23D0136: for Batch BLD0329, the RPD value for benzoic acid was greater than the control limit. Positive results for this analyte in the associated samples were estimated (J-9).

SDG 23D0393: For the SVOC batch BLD0571, the RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the associated samples; no qualifiers were assigned.

SDG 23D0394, 23D0396, 23H0221: For the SVOC batch BLD0607, the %R values for 2,4-dimethylphenol were less than the lower control limit and less than 10%. Positive results in the associated samples were estimated (J-10L) and non-detected results were rejected (R-10L). Samples with rejected results were re-extracted and reported in SDG 23H0221. Results for 2,4-dimethylphenol from SDG 23H0221 should be used for the following samples:

LDW23-SS1071	LDW23-SS1055
LDW23-SS1078	LDW23-SS1034
LDW23-SS1807	LDW23-SS1806

SDG 23E0219: For the SVOC batch BLF0734, the %R value for benzyl alcohol was less than the lower control limit and less than 10%. The positive result for one associated sample was estimated (J-10L).

SDG 23F0143: For the cPAH batch BLF0248, the %R values for indeno(1,2,3-cd)pyrene were less than the lower control limit; associated field sample results were estimated (J/UJ-10L). The %R value for dibenzo(a,h)anthracene was less than the lower control limit for the LCS but within control limits for the MSD; no qualifiers were assigned for the single outlier.

For the SVOC batch BLF0249, the %R values for 2,4-dimethylphenol were very low (<10%). For samples in this batch, positive results were qualified as do-not-report (DNR-10L) and reporting limits for non-detects were rejected (R-10L). The samples were re-extracted, and results for 2,4-dimethylphenol were reported from SDG 23H0579.

The %R value for n-nitrosodiphenylamine was less than the lower control limit for the LCS but within the control limit for the LCSD; no qualifiers were assigned for the single outlier. The RPD value for n-nitrosodiphenylamine was greater than the control limit; positive results in the associated samples were estimated (J-9).

SDG 23H0579: For the SVOC batch BLH0669, the LCS/LCSD RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the associated samples; no qualifiers were assigned.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. No action is taken unless both the MS and MSD percent recovery (%R) values are outside the control limits for MS/MSD %R outliers. MS/MSD %R values are not evaluated when the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Any RPD values outside the control limits indicate uncertainty in the measured results for the sample. Qualifiers were only issued to the parent sample.

When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-8L). Only the associated positive results are estimated (J-8H) if the %R values indicate a potential high bias. Associated positive results are estimated (J-9) if the RPD values indicate uncertainty.

SDG 22L0459: The MS/MSD analyses were performed using Sample LDW23-SC1123B. The MSD %R value for pentachlorophenol was greater than the upper control limit but was in control in the MS sample; no data were qualified for a single %R outlier. The RPD values for 2,4-dimethylphenol and benzoic acid were greater than the control limit; the positive results in the parent sample were estimated (J-9).

SDG 23A0031: For batch BLA0160, Sample LDW23-SS1138 was used for the MS/MSD analyses. The %R values for pentachlorophenol were greater than the upper control limit for the MS/MSD. Pentachlorophenol was not detected in the parent sample; no qualifiers were assigned.

SDGs 23A0031, 23A0032, 23A0087: For batch BLA0163, Sample LDW23-SS1189 was used for the MS/MSD analyses. The %R values of pentachlorophenol were greater than the upper control limit for the MS/MSD. Pentachlorophenol was not detected in the parent sample (reported in SDG 23A0087); no qualifiers were assigned.

SDG 23A0099: Sample LDW23-SC1205A was used for the SVOC MS/MSD analyses. The %R values of pentachlorophenol were greater than the upper control limit for the MS/MSD. Pentachlorophenol was not detected in the parent sample; no qualifiers were assigned. The %R value of 2,4-dimethylphenol was greater than the upper control limit for the MSD but within the control limits for the MS. No qualifiers were assigned for the single outlier.

SDG 23A0100: Sample LDW23-SS1207 was used for the MS/MSD analyses. The RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the parent sample; no qualifiers were assigned.

SDG 23A0134: Sample LDW23-IT1210 was used for the SVOC MS/MSD analyses. The %R values for pentachlorophenol were greater than the control limit for the MS/MSD. The pentachlorophenol result in the parent sample was estimated (J-8H).

Sample LDW23-SC1123B was used for the cPAH MS/MSD analyses. The %R value for benzo(a)anthracene was greater than the upper control limit for the MSD but within control limits

for the MS sample; no data were qualified for a single %R outlier. The RPD values for chrysene and benzo(b)fluoranthene were greater than the control limit; the positive results for these analytes in parent sample results were estimated (J-9).

SDG 23A0158: For batch BLA0554, Sample LDW23-SS1077 was used for the MS/MSD analyses. The %R values for pentachlorophenol were greater than the upper control limit for the MS/MSD. Pentachlorophenol was not detected in the parent sample; no qualifiers were assigned. The %R value for benzoic acid was greater than the upper control limit for the MSD but within the control limit for the MS; no action was taken for the single outlier.

SDG 23A0179, 23A0180: For batch BLC0442, Sample LDW23-SS1200 was used for the SVOC MS/MSD analyses. The RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the parent sample; no qualifiers were assigned. The %R value for pentachlorophenol was greater than the upper control limit in the MS but within control limits in the MSD; no qualifiers were assigned for the single outlier.

SDG 23A0206: Sample LDW23-SS1066 was used for the SVOC MS/MSD analyses. The %R value for pentachlorophenol was greater than the upper control limit for the MS but within control limits for the MSD. No qualifiers were assigned for the single outlier.

SDG 23A0249, 23A0295: Sample LDW23-IT1041 was used for the SVOC MS/MSD analyses. The %R value for 2,4-dimethylphenol was less than the lower control limit for the MSD but within control limits for the MS; no qualifiers were assigned for the single outlier. The RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the parent sample; no qualifiers were assigned.

SDG 23A0328: Sample LDW23-SS1209 was used for the MS/MSD analyses. The following outliers were noted:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER	COMMENT
1,4-Dichlorobenzene	29.9	--	72.8	J-9	No action for single %R outlier
1,2-Dichlorobenzene	30.6	--	73.1	J-9	No action for single %R outlier
Benzyl Alcohol	--	--	73.2	None	Parent sample ND
Benzoic acid	--	--	85.9	J-9	
2,4-Dimethylphenol	--	--	69.3	J-9	
1,2,4-Trichlorobenzene	33.9	--	71.1	None	Parent sample ND No action for single %R outlier
N-Nitrosodiphenylamine	--	--	61.1	None	Parent sample ND
Pentachlorophenol	--	154	76.3	None	Parent sample ND No action for single %R outlier

SDG 23A0417: Sample LDW23-SS1073 was used for the SVOC MS/MSD analyses. The RPD value for benzoic acid was greater than the control limit. Benzoic acid was not detected in the parent sample; no qualifiers were assigned.

SDG 23A0418: Sample LDW23-IT1218 was used for the cPAH MS/MSD analyses. The %R value for dibenzo(a,h)anthracene was greater than the upper control limit for the MSD but within control limits for the MS; no qualifiers were assigned for the single outlier.

SDG 23A0419: Sample LDW23-SS1218 was used for the MS/MSD analyses. The %R values for pentachlorophenol were greater than the upper control limit. Pentachlorophenol was not detected in the parent sample; no qualifiers were assigned.

SDG 23A0420: Sample LDW23-SC1004 was used for the SVOC MS/MSD analyses. The MS/MSD %R values for pentachlorophenol were greater than the upper control limit. Results for pentachlorophenol in the parent samples were estimated (J-8H).

SDG 23A0455: Sample LDW23-SS1180 was used for the SVOC MS/MSD analyses. The RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the parent sample; no qualifiers were assigned. The %R value for pentachlorophenol was greater than the control limit for the MSD but within control limits for the MS; no qualifiers were assigned.

SDG 23C0071: Sample LDW23-SS1048 was used for the MS/MSD analyses. The RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the parent sample; no qualifiers were assigned.

SDG 23C0752: Sample LDW23-SS1810 was used for the MS/MSD analyses. The RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the parent sample; no qualifiers were assigned.

SDG 23D0393, SDG 23H0221: Sample LDW23-SS1233 was used for the SVOC MS/MSD analyses. The %R values for n-nitrosodiphenylamine were less than the lower control limit and less than 10%. This analyte was not detected in the parent sample; the reporting limit was rejected (R-8L). The sample was re-extracted with SDG 23H0221. Results for n-nitrosodiphenylamine were reported from the re-extraction.

SDG 23E0009: Sample LDW23-IT1820 was used for the cPAH MS/MSD analyses. The following outliers were noted:

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER	COMMENT
Benzo(a)anthracene	--	147	43.5	J-9	No action for single %R outlier
Chrysene	--	157	36.5	J-9	No action for single %R outlier
Benzo(b)fluoranthene	--	--	36.3	J-9	
Benzo(k)fluoranthene	--	--	30.7	J-9	
Benzo(a)pyrene	--	--	33.2	J-9	
Indeno(1,2,3-cd)pyrene	--	146	--	None	No action for single %R outlier

SDG 23E0219: For cPAH batch BLE0421, Sample LDW23-IT1146 was used for the MS/MSD analyses. The %R values for dibenzo(a,h)anthracene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene and

chrysene were less than the lower control limit for the MS but within control limits for the MSD; no qualifiers were assigned for the single outliers.

For the SVOC batch BLF0734, Sample LDW23-SS1146 was used for the MS/MSD analyses. The %R values for benzyl alcohol were less than the lower control limit and less than 10% for the MS/MSD. The benzyl alcohol result in the parent sample was estimated (J-8L). The RPD value for 2,4-dimethylphenol was greater than the control limit. This analyte was not detected in the parent sample; no qualifiers were assigned.

SDG 23F0143: For the cPAH batch BLF0248, Sample LDW23-SS1119 was used for the MS/MSD analyses. The %R values for indeno(1,2,3-cd)pyrene and dibenzo(a,h)anthracene were less than the lower control limit for the MS. The %R values for the MSD were acceptable; no qualifiers were assigned for the single outliers.

SDG 23H0221: For the SVOC batch BLH0329, Sample LDW23-SS1807 was used for the MS/MSD analyses. The RPD value for 2,4-dimethylphenol was greater than the control limit. 2,4-dimethylphenol was not detected in the parent sample; no qualifiers were assigned. The RPD value for n-nitrosodiphenylamine was greater than the control limit. The result for n-nitrosodiphenylamine was not reported from this analysis; no qualifiers were assigned.

SDG 23H0579: Sample LDW23-SC1038A was used for the MS/MSD analyses. The %R values for 2,4-dimethylphenol were greater than the upper control limit. This analyte was not detected in the parent sample; no qualifiers were assigned.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL. No data were qualified based on field duplicate precision outliers. Users of the data should consider the impact of field precision outliers on the reported results.

SDG 22L0383: Two sets of field duplicate sets were submitted: LDW23-SC1150C & LDW23-SC1150C-FD and LDW23-SC1191B & LDW23-SC1191B-FD were submitted. Field precision was acceptable.

SDG 23A0031: Five sets of field duplicates were submitted:

- LDW23-SS1199 and LDW23-SS1199-FD
- LDW23-SS1191 and LDW23-SS1191-FD
- LDW23-SS1177 and LDW23-SS1177-FD
- LDW23-SS1156 and LDW23-SS1156-FD
- LDW23-SS1143 and LDW23-SS1143-FD

With the noted exception, field precision was acceptable. For LDW23-SS1177 and LDW23-SS1177-FD. The difference value for benzyl alcohol was greater than the control limit.

SDG 23A0087: Two sets of field duplicates were submitted:

- LDW23-SS1212 and LDW23-SS1212-FD: Field precision was acceptable.
- LDW23-SS1267 and LDW23-SS1267-FD: The difference value for benzyl alcohol was greater than the control limit.

SDG 23A0088: One set of field duplicates, LDW23-SC1225 and LDW23-SC1225-FD, were submitted. Field precision was acceptable.

SDG 23A0099: Two sets of field duplicates were submitted:

- LDW23-IT1160 and LDW23-IT1160-FD: Field precision was acceptable.
- LDW23-SC1186 and LDW23-SC1186-FD: The difference value for benzyl alcohol was greater than the control limit.

SDG 23A0100: Five sets of field duplicates were submitted. Field precision was acceptable:

- LDW23-SS1276 and LDW23-SS1276-FD
- LDW23-SS1270 and LDW23-SS1270-FD
- LDW23-SS1265 and LDW23-SS1265-FD
- LDW23-SS1247 and LDW23-SS1247-FD
- LDW23-SS1225 and LDW23-SS1225-FD

SDG 23A0180: One set of field duplicates, LDW23-SC1164 and LDW23-SC1164-FD, were submitted. Field precision was acceptable.

SDG 23A0207: One set of field duplicates, LDW23-IT1080 and LDW23-IT1080-FD, were submitted. Field precision was acceptable.

SDG 23A0418: One set of field duplicates, LDW23-IT1133 and LDW23-IT1133-FD, were submitted. Field precision was acceptable.

Internal Standards

Internal standards were added to all samples as required by the method. With the following exception, all internal standard responses were within the method specified control limits of 50%-200% of the response in the associated calibration verification standard. No action is taken for internal standard outliers in laboratory QC samples.

SDG 23A0087: For Sample LDW23-SS1224, the response for 1,4-dichlorobenzene was less than the lower control limit; results for analytes quantitated using this internal standard were estimated (J/UJ-19).

SDG 23B0229: For Sample LDW23-SC1013, the response of chrysene-d12 was less than the lower control limit. No reported analytes were associated with this internal standard; no qualifiers were assigned.

SDG 23B0276: For Sample LDW23-SC1150B, the response of chrysene-d12 was less than the lower control limit. No reported analytes were associated with this internal standard; no qualifiers were assigned.

SDG 23H0579: For Sample LDW23-SC1156A, the response for perylene-d12 was greater than the upper control limit. No reported analytes were associated with this internal standard; no qualifiers were assigned.

Certified Reference Material

Certified reference material (CRM) was analyzed with these analytical data sets. For SVOC analyses, CRM 143 BNAs – Sandy Loam was used. For cPAH analyses, SQC017-40G PAHs by HPLC 40g was used. All acceptance criteria were met.

SDG 22L0459: During the extraction process, the turbo tube containing the CRM sample broke, and the extract was lost. The lab was instructed to continue the extraction process without a CRM.

SDG 23D0394: For the cPAH batch BLD0609, the %R value for benzo(a)pyrene was greater than the upper control limit for the CRM. Positive results in the associated samples were estimated (J-12H).

SDG 23E0219: For the SVOC batch BLF0734, the %R values for pentachlorophenol and 1,2,4-trichlorobenzene were greater than the upper control limit for the CRM. Results in the associated samples were either not detected or reported from another analysis; no qualifiers were assigned.

SDG 23F0143: For the SVOC batch BLF0249, the %R value for n-nitrosodiphenylamine was less than the lower control limit. Associated field sample results were estimated (J/UJ-12L).

Reporting Limits

For the following SDGs, reporting limits for benzoic acid and/or pentachlorophenol for one or more samples were elevated due to instrument performance. The elevated reporting limits are greater than the reporting limits listed in the QAPP.

SDG	BENZOIC ACID RL (UG/KG)	REASON		PENTACHLOROPHENOL RL (UG/KG)	REASON
23A0031	200	LCV		--	--
23A0088	400	ICAL		100	LCV
23A0100	400	ICAL		40	ICAL
23A0133	400	ICAL		40	ICAL
23A0157	400	ICAL		40	ICAL
23A0171	400	ICAL		40	ICAL
23A0328	--	--		40	LCV
23C0108	400	LCV		--	--
23C0109	400	LCV		--	--
23D0136	200	ICAL, LCV		--	--
23D0393	200	LCV		--	--

SDG 23E0219: The reporting limit for benzyl alcohol was elevated to 100 ug/Kg for Sample LDW23-SS1146 due to instrument performance.

Reported Results

SDG 22L0383: The following samples were originally analyzed at a 4x dilution and reanalyzed at a 1x dilution. With the exception of benzoic acid and pentachlorophenol, both sets of data were reported. Due to low responses for benzoic acid and pentachlorophenol in the associated CCVs, the reporting limits from the 1x analyses were not supported; results for these analytes were only reported from the 4x dilution. For the remaining analytes, results from the 4x analyses were qualified as do-not-report (DNR-11).

SAMPLE
LDW23-SC1137C
LDW23-SC1156C
LDW23-SC1191B
LDW23-SC1191B-FD
LDW23-SC1183D

SDG 23A0032: Sample LDW23-IT1264 was initially analyzed at 3x dilution. The sample was reanalyzed at a 45x dilution due to the high concentrations of target analytes. Concentrations that exceeded the calibration range of the instrument in the 3x analysis were E-flagged by the laboratory and were qualified as do-not-report (DNR-20). Results for these analytes should be reported from the 45x analysis. All other results should be reported from the 3x analysis and were qualified as DNR-11 in the 45x analysis.

SDG 23A0157: For Sample LDW23-SC1171, the result for n-nitrosodiphenylamine was M-flagged by the laboratory to indicate an estimated positive result due to low spectral match. The result was estimated (J-14).

SDG 23A0158: The following samples were originally analyzed at a 1x dilution and reanalyzed at a 4x dilution. The method blank was analyzed twice, with the 1x and the 4x sample analyses. Benzyl alcohol was detected at a concentration slightly above the reporting limit in both cases. Results from the 1x analyses should be used and qualified as described in the **Laboratory Blank** section. All results from the 4x analyses were qualified as do-not-report (DNR-11).

SAMPLE		
LDW23-SS1222	LDW23-SS1060	LDW23-SS1065
LDW23-SS1077	LDW23-SS1059	LDW23-SS1064
LDW23-SS1070	LDW23-SS1053	LDW23-SS1047

SDG 23C0109: Sample LDW23-SS1104 was originally extracted on 3/9/23 and analyzed on 3/23/23. The results of this analysis indicated that the sample had been impacted during the extraction/cleanup process. The sample was re-extracted on 4/17/23 and re-analyzed on 5/1/23.

The results from the re-extraction should be used. Results from the initial extraction were qualified as do-not-report (DNR-11). The results from the initial extraction were not reported in the PDF. No action was taken since the results are not being used.

SDG 23D0037: Samples LDW23-IT11812 and LDW23-IT1813 were initially analyzed at 3x dilution. The samples were reanalyzed at dilutions (30x and 15x, respectively) due to the high concentrations of some target analytes. Concentrations that exceeded the calibration range of the instrument in the 3x analysis were E-flagged by the laboratory and were qualified as do-not-report (DNR-20). Results for these analytes should be reported from the higher dilution analyses. All other results should be reported from the 3x analysis and were qualified as DNR-11 in the higher diluted analyses.

SDG 23D0393: Sample LDW23-IT1233 was analyzed and reported at both 3x and 30x dilutions due to the high concentrations of some target analytes. Concentrations that exceeded the calibration range of the instrument in the 3x analysis were E-flagged by the laboratory and were qualified as do-not-report (DNR-20). Results for these analytes should be reported from the higher dilution analyses. All other results should be reported from the 3x analysis and were qualified as DNR-11 in the 30x analyses.

SDG 23D0393, 23D0394, 23H0221: Several results in SDGs 23D0393 and 23D0394 were rejected based on laboratory QC issues. The impacted samples were re-extracted in SDG 23H0221.

SAMPLE ID	ANALYTES	QUALIFIER		COMMENT
LDW23-SS1233	Lab Sample ID:	23D0393-04	23H0221-01	Results from re-extraction should be used.
	2,4-dimetholphenol benzyl alcohol	R-13L	--	
	n-nitrosodiphenylamine	R-8L		
	Benzoic acid Pentachlorophenol	DNR-13	--	
	1,2,4-trichlorobenzene 1,2-dichlorobenzene 1,4-dichlorobenzene	DNR-11	--	
LDW23-SS1068	Lab Sample ID:	23D0393-17	23H0221-02	Results from re-extraction should be used.
	2,4-dimetholphenol benzyl alcohol Benzoic acid	R-13L	--	
	Pentachlorophenol	DNR-13	--	
	1,2,4-trichlorobenzene 1,2-dichlorobenzene 1,4-dichlorobenzene n-nitrosodiphenylamine	DNR-11	--	
	LDW23-SS1071	Lab Sample ID:	23D0394-02	
2,4-dimethylphenol		R-10L	--	
Benzoic acid Pentachlorophenol		DNR-5BL	--	
All other analytes		--	DNR-11	

SAMPLE ID	ANALYTES	QUALIFIER		COMMENT
LDW23-SS1078	Lab Sample ID:	23D0394-04	23H0221-04	<p>Results for benzoic acid and pentachlorophenol from re-extraction should be used (CCV outliers from initial extraction).</p> <p>For all other analytes, results from initial extraction should be used.</p>
	2,4-dimethylphenol	R-10L	--	
	Benzoic acid Pentachlorophenol	DNR-5BL	--	
	All other analytes	--	DNR-11	
LDW23-SS1807	Lab Sample ID:	23D0394-06	23H0221-05	
	2,4-dimethylphenol	R-10L	--	
	Benzoic acid Pentachlorophenol	DNR-5BL	--	
	All other analytes	--	DNR-11	
LDW23-SS1055	Lab Sample ID:	23D0394-08	23H0221-06	
	2,4-dimethylphenol	R-10L	--	
	Benzoic acid Pentachlorophenol	DNR-5BL	--	
	All other analytes	--	DNR-11	
LDW23-SS1806	Lab Sample ID:	23D0394-12	23H0221-08	
	2,4-dimethylphenol	R-10L	--	
	Benzoic acid Pentachlorophenol	DNR-5BL	--	
	All other analytes	--	DNR-11	
LDW23-SS1034	Lab Sample ID:	23D0394-11	23H0221-07	<p>Results for 2,4-dimethylphenol from re-extraction should be used (LCS/LCSD outlier from initial extraction).</p> <p>Results for benzoic acid and pentachlorophenol from re-extraction should be used (CCV and surrogate outliers from initial extraction).</p> <p>Results for benzyl alcohol from re-extraction should be used (surrogate outlier from initial extraction)</p> <p>For all other analytes, results from initial extraction should be used.</p>
	2,4-dimethylphenol	R-10L	--	
	Benzoic acid Pentachlorophenol	DNR-5BL,13L	--	
	Benzyl alcohol	DNR-13L	--	
	All other analytes	--	DNR-11	

SDG 23D0396: The QAPP indicates that benzyl alcohol should be reported from the 8270E-SIM analyses. For this SDG, benzyl alcohol was reported from the 8270E analyses.

SDG 23E0219: For Sample LDW23-SS1146, the surrogate analytes were not recovered. The sample was re-extracted. The re-extraction was analyzed two times due to instrument sensitivity issues; both sets of results were reported. Results from 23E0219-10RE1 (analyzed 7/7/23 at 15:08) should be used. Results for 23E0219-10RE2 (analyzed 7/19/23 @ 22:15) were qualified as do-not-report (DNR-11).

For Sample LDW23-SS1126, %R value for the acid surrogate was less than 10%. The sample was re-extracted; both sets of analyses were reported. The following qualifiers were applied:

	INITIAL EXTRACTION	RE-EXTRACTION	COMMENT
Analyte:			
1,2,4-Trichlorobenzene	--	DNR-11	
1,2-Dichlorobenzene	--	DNR-11	
1,4-Dichlorobenzene	--	DNR-11	
2,4-Dimethylphenol	DNR-13	--	Acid surrogate < 10% for initial extraction
Benzoic acid	DNR-13	--	Acid surrogate < 10% for initial extraction
Benzyl alcohol	--	DNR-11	Results were not comparable. Reported higher of two analyses. Surrogate <10% but LCS and MS/MSD OK
n-Nitrosodiphenylamine	--	DNR-11	
Pentachlorophenol	DNR-13	--	Acid surrogate < 10% for initial extraction

SDG 23F0143: Samples LDW23-SS1275 and LDW23-SC1038A were reported at 1x and 4x dilutions due to internal standard outliers for perylene-d12 in the initial analysis. Target analytes for these samples were not associated with this internal standard. The results from the 1x analyses should be used; all results for the re-analyses were qualified DNR-11.

SDG 23H0221: For Samples LDW23-SS1233 and LDW23-SS1068, 4-methylphenol was reported from the 8270E analysis and the 8270E-SIM analysis. The results from the 8270E analysis should be used; results for 4-methylphenol reported from the 8270-SIM analysis were qualified as do-not-report (DNR-11).

Calculation Verification

SVOC:

SDG 23A0031 and 23A0087: Several results were verified by recalculation from the raw data. No calculation or transcription errors were found.

cPAH:

SDG 23A0032 and 23A0099: Several results were verified by recalculation from the raw data. No calculation or transcription errors were found.

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the noted exceptions, accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, MS/MSD, and CRM recovery values. With the exceptions noted above precision was acceptable as demonstrated by the RPD values for the LCS/LCSD, MS/MSD, and field duplicate analyses.

Reporting limits were elevated due to method blank contamination. Results were estimated due to initial and continuing calibration outliers, LCS/LCSD, surrogate, CRM and internal standard accuracy outliers, and LCS/LCSD and MS/MSD precision outliers.

Data were flagged as do-not-report (DNR) to indicate which result from multiple reported analyses should not be used. Data that have been flagged DNR should not be used for any reason.

Data were rejected (R) based on very low surrogate, LCS and MS/MSD recoveries. Rejected data should not be used for any reason. Samples with rejected data were re-extracted. In these cases, there are usable results for all data points.

All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW AOC5 MR Phase 1
Hexachlorobenzene by SW8081B

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Analytical Resources, LLC. (ARL), Tukwila, Washington. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
22L0383	8 Sediment	EPA Stage 2B
22L0417	9 Sediment	EPA Stage 2B
22L0459	7 Sediment	EPA Stage 2B
23A0031	21 Sediment	EPA Stage 4
23A0032	3 Sediment	EPA Stage 2B
23A0087	15 Sediment	EPA Stage 4
23A0088	10 Sediment	EPA Stage 2B
23A0099	12 Sediment	EPA Stage 2B
23A0100	23 Sediment	EPA Stage 2B
23A0133	12 Sediment	EPA Stage 2B
23A0134	14 Sediment	EPA Stage 2B
23A0157	10 Sediment	EPA Stage 2B
23A0158	13 Sediment	EPA Stage 2B
23A0171	4 Sediment	EPA Stage 2B
23A0179	12 Sediment	EPA Stage 2B
23A0180	4 Sediment	EPA Stage 2B
23A0206	14 Sediment	EPA Stage 2B
23A0249	6 Sediment	EPA Stage 2B
23A0295	9 Sediment	EPA Stage 2B
23A0313	5 Sediment	EPA Stage 2B
23A0326	7 Sediment	EPA Stage 2B
23A0328	11 Sediment	EPA Stage 2B
23A0417	15 Sediment	EPA Stage 2B
23A0419	12 Sediment	EPA Stage 2B
23A0420	4 Sediment	EPA Stage 2B
23A0455	18 Sediment	EPA Stage 2B
23A0467	9 Sediment	EPA Stage 2B
23B0229	6 Sediment	EPA Stage 2B
23B0276	1 Sediment	EPA Stage 2B
23C0071	6 Sediment	EPA Stage 2B
23C0108	5 Sediment	EPA Stage 2B
23C0109	2 Sediment	EPA Stage 2B
23C0752	5 Sediment	EPA Stage 2B

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
23C0774	14 Sediment	EPA Stage 2B
23D0008	2 Sediment	EPA Stage 2B
23D0037	2 Sediment	EPA Stage 2B
23D0063	2 Sediment	EPA Stage 2B
23D0136	2 Sediment	EPA Stage 2B
23D0393	16 Sediment	EPA Stage 2B
23D0394	7 Sediment	EPA Stage 2B
23D0396	2 Sediment	EPA Stage 2B
23E0009	4 Sediment	EPA Stage 2B
23E0219	7 Sediment	EPA Stage 2B
23F0143	13 Sediment	EPA Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory quality control sample results were also verified (10%).

The surrogate decachlorobiphenyl (DCBP) on the summary forms in the PDF were entered as PCB-209 in the EDD.

Laboratory quality control samples were reported from two analytical columns in the EDD. No action was taken.

The laboratory defines a P1-flag as an indication that the RPD between results from two analytical columns is greater than 40%. For the following samples, surrogate values were P1-flagged by the laboratory. No action was taken for surrogate dual column RPD values.

SDG	SAMPLE	SURROGATE	EDD FLAG	PDF FLAG
23A0157	LDW23-SC1277	TCMX	Yes	No
	LDW23-SC1271	TXMC	Yes	No
23A0206	LDW23-SS1103	DCBP	Yes	No
	LDW23-SS1066	TCMX	Yes	No
23A0249	LDW23-SC1018	TCMX	Yes	No
	LDW23-SC1025	TCMX	Yes	No
23A0295	LDW23-SC1075	TCMX	Yes	No
	LDW23-SC1017B	TCMX	Yes	No
23A0326	LDW23-SC1162B	DCBP	Yes	No

SDG	SAMPLE	SURROGATE	EDD FLAG	PDF FLAG
23A0417	LDW23-SS1127	TCMX	Yes	No

SDG 23A0313: Sample matrix entered as "SN" in the EDD. The chains-of-custody (COC) indicates that that sample matrix is sediment. No action was taken.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table:

1	Sample Receipt, Preservation, and Holding Times	2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)
✓	Initial Calibration (ICAL)	1	Field Duplicates
1	Continuing Calibration (CCAL)	✓	Target Analyte List
1	Breakdown (Endrin and 4,4'-DDT)	2	Internal Standards
2	Laboratory Blanks	1	Reporting Limits
1	Field Blanks	2	Reported Results
2	Surrogate Compounds	2	Compound Identification
✓	Laboratory Control Samples (LCS/LCSD)	1	Calculation Verification (Full Validation Only)

✓ Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

¹ Quality control results are discussed below, but no data were qualified.

² Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

SDG 23A0088: Sample identifications (ID) as listed on the original chains-of-custody (COC), LDW23-SC1184B and LDW23-SC1214B, were logged in as LDW23-SC1184A and LDW23-SC1214A in the EDD. Corrected COCs were provided. The corrected IDs were used.

The following sample IDs were missing "SC" on the original COCs. The client confirmed the missing "SC" and the laboratory logged them in per the client email.

LDW23-SC1265	LDW23-SC1247	LDW23-SC1270	LDW23-SC1276
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SDG 23A0418: Samples were received by the laboratory at 6.9°C, above the recommended temperature range of 0-6°C. The samples were immediately stored frozen. Data was judged to not be significantly impacted by the temperature outlier; no qualifiers were assigned.

SDG 23E0009: Sample LDW23-SS1820 was listed on the original COC as LDW23-SC1820. A corrected COC was provided. The corrected ID was used.

Continuing Calibration (CCAL)

A continuing calibration verification (CCAL) standard was analyzed at the required frequency. With the noted exceptions, the percent difference (%D) values were within the required control limits of

±20% (±50% for low level CCAL). No qualifiers were assigned for CCAL %D outliers that were only associated with laboratory QC samples. No qualifiers were assigned for CCAL surrogate %D outliers.

SDG 23C0071: For the CCALs analyzed on 3/25/23 at 03:00 and 08:58, the %D values for TCMX were less than the lower control limit; No qualifiers were assigned for QC surrogate outliers.

SDG 23C0108, 23C0109: For the CCALs analyzed on 3/24/23 at 22:31 and 3/25/23 at 03:00, the %D values for TCMX were less than the lower control limit; No qualifiers were assigned for QC surrogate outliers.

SDG 23C0071: For the CCALs analyzed on 3/25/23 at 03:00 and 08:58, the %D values for TCMX were less than the lower control limit; No qualifiers were assigned for QC surrogate outliers.

SDG 23C0752: For the CCAL analyzed on 4/13/23 at 01:04, the %D value for DCBP on column 1 was less than the lower control limit. No qualifiers were assigned for QC surrogate outliers.

Breakdown

A performance evaluation mixture (PEM) standard was analyzed before the initial calibration to evaluate the breakdown of endrin and 4,4'-DDT. A PEM standard was not analyzed at the beginning of every 12-hour analytical shift. The target analyte for this project, hexachlorobenzene, is not impacted by the breakdown of endrin and 4,4'-DDT; no qualifiers were assigned.

Laboratory Blanks

A method blank was analyzed at the required frequency of one per batch of 20 or fewer samples. Action levels were established at five times (5x) the concentration reported in the field blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U-7). No action is taken if the sample result is greater than the action level, or for non-detected results.

SDGs 23D0394, 23D0396: For batch BLD0606, hexachlorobenzene was detected in the method blank. Field sample results that were less than the action level were qualified as not-detected (U-7).

SDG 23E0219: For batch BLE0420, hexachlorobenzene was detected in the method blank. Field sample results that were less than the action level were qualified as not-detected (U-7).

Field Blanks

Field blanks were not collected with these samples.

Surrogate Compounds

Surrogate compounds tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCBP) were added to all samples and laboratory QC samples. The samples were analyzed using dual column confirmation. Percent recovery (%R) values were reported from both columns. No qualifiers were assigned if three of the four %R values were within control limits. No qualifiers are assigned to laboratory QC samples.

SDG 23A0087: For Sample LDW23-SS1211, the %R values of DCBP were greater than the upper control limit on both columns. Positive results were estimated (J-13H).

SDG 23A0134: For sample BLA0409-MSD1, the %R of DCBP was reported as "NRS" by laboratory on both columns, indicating matrix interference prevented quantitation. The %R of TCMX was acceptable on both columns; no qualifiers were assigned for QC surrogate outliers.

SDG 23A0158: For Sample LDW23-SS1250, the %R of DCBP was reported as "NRS" on column 2, indicating matrix interference prevented quantitation. The %R DCBP on column 1 was acceptable and the %R of TCMX was acceptable on both columns; no qualifiers were assigned for the single surrogate outlier.

SDG 23A0179: For Sample LDW23-SS1112, the %R of DCBP was reported as "NRS" on column 2, indicating matrix interference prevented quantitation. The %R DCBP on column 1 was acceptable and the %R of TCMX was acceptable on both columns; no qualifiers were assigned for the single surrogate outlier.

Matrix Spike/Matrix Spike Duplicates (MS/MSD)

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. No action is taken unless both the MS and MSD percent recovery (%R) values are outside the control limits. MS/MSD %R values are not evaluated when the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Any RPD values outside the control limits indicate uncertainty in the measured results for the sample. Qualifiers were only issued to the parent sample.

When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-8L). Only the associated positive results are estimated (J-8H) if the %R values indicate a potential high bias. Associated positive results are estimated (J-9) if the RPD values indicate uncertainty.

SDG 23A0100: Sample LDW23-SS1193 was used for the MS/MSD analyses. The %R value for hexachlorobenzene was greater than the control for the MS but within the control limit for the MSD; no qualifiers were assigned for the single %R outlier. The RPD value was greater than the control limit. Hexachlorobenzene was not detected in the parent sample; no data were qualified.

SDG 23A0206: Sample LDW23-SS1066 was used for the MS/MSD analyses. Hexachlorobenzene could not be quantified for the MSD sample due to matrix interference. The MSD %R and RPD values were not calculated. The %R value for the MS was acceptable; no qualifiers were assigned. Precision was evaluated using the LCS/LCSD RPD value.

SDG 23C0108: Sample LDW23-SS1044 was used for the MS/MSD analyses. The RPD value was greater than the control limit. Hexachlorobenzene in the parent samples was estimated (J-9).

SDG 23D0394: Sample LDW23-SS1071 was used for the MS/MSD analyses. The %R values for hexachlorobenzene were less than the lower control limit. The hexachlorobenzene result for the parent sample was estimated (UJ-8L).

SDG 23E0219: Sample LDW23-SS1146 was used for the MS/MSD analyses. The %R value for hexachlorobenzene was less than the lower control limit for the MSD but within the control limit for the MS; no qualifiers were assigned for the single outlier.

Field Duplicates

For sediment samples, the relative percent difference (RPD) control limit is 35% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL. No data were qualified based on field duplicate precision outliers. Users of the data should consider the impact of field precision outliers on the reported results.

SDG 22L0383: Two sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SC1150C and LDW23-SC1150C-FD
- LDW23-SC1191B and LDW23-SC1191B-FD

SDG 23A0031: Five sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SS1199 and LDW23-SS1199-FD
- LDW23-SS1191 and LDW23-SS1191-FD
- LDW23-SS1177 and LDW23-SS1177-FD
- LDW23-SS1156 and LDW23-SS1156-FD
- LDW23-SS1143 and LDW23-SS1143-FD

SDG 23A0087: Two sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SS1212 and LDW23-SS1212-FD
- LDW23-SS1267 and LDW23-SS1267-FD

SDG 23A0088: One set of field duplicates, LDW23-SC1225 and LDW23-SC1225-FD, was submitted. Field precision was acceptable.

SDG 23A0099: Two sets of field duplicates were submitted:

- LDW23-SC1186 and LDW23-SC1186-FD: the difference value for hexachlorobenzene was greater than the control limit.
- LDW23-IT1160 and LDW23-IT1160-FD: field precision was acceptable.

SDG 23A0100: Five sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SS1276 and LDW23-SS1276-FD
- LDW23-SS1270 and LDW23-SS1270-FD
- LDW23-SS1265 and LDW23-SS1265-FD
- LDW23-SS1247 and LDW23-SS1247-FD
- LDW23-SS1225 and LDW23-SS1225-FD

SDG 23A0180: One set of field duplicates, LDW23-SC1164 and LDW23-SC1164-FD, was submitted. field precision was acceptable.

Internal Standards

Internal standards (IS) hexabromobiphenyl (HBBP) and 1-bromo-2-nitrobenzene (BNB) were added to all samples and laboratory QC samples. When the IS area is less than 50%, associated positive results and reporting limits are estimated (J/UJ-19). When the IS area is greater than 200%, only associated positive results are estimated (J-19). All samples were analyzed on two columns. In cases where there was an outlier on only one column, and the associated result was reported from the column with acceptable IS recovery, no qualifiers were assigned. BNB is associated with hexachlorobenzene. With the noted exceptions, all internal standard areas were within 50 – 200% of the associated initial calibration midpoint standard.

SDG	SAMPLE	OUTLIER	QUALIFIER	COMMENT
23A0099	BLA0289-MS1	HBBP low	None	No impact on target analyte
	BLA0289-MSD1			
	LDW23-SC1165			
	LDW23-SC1186			
	LDW23-SC1179			
23B0229	Method Blank	BNB high	None	No action for QC IS outliers
	LDW23-SC1008 and LCS/LCSD	HBBP, BNB high	None	Sample result ND and no action for QC IS outliers.
	LDW23-SS1236 and LDW23-SS1150	HBBP, BNB high	None	Sample results ND
23B0276	Method Blank and LCS/LCSD	HBBP, BNB high	None	No action for QC IS outliers
23A0157	BLA0473-MS1	HBBP, BNB high	None	No action for QC IS outliers
	LDW23-SC1277		None	Sample results ND
	LDW23-SC1206		None	Sample results ND
	LDW23-SC1239		None	Sample results ND
	LDW23-SC1271		None	Sample results ND
	LDW23-SC1266		None	Sample results ND
	LDW23-SC1200		None	Sample results ND
	LDW23-SC1171	BNB high	None	Sample results ND
23A0206	LDW23-SS1021	HBBP low	None	No impact on target analyte
	LDW23-SS1164			
	LDW23-SS1158			
	LDW23-SS1151			
	LDW23-SS1145			
	LDW23-SS1139			
	LDW23-SS1117			
	LDW23-SS1103			
	LDW23-SS1100			
	LDW23-SS1096			
	LDW23-SS1094			
	LDW23-SS1066			

SDG	SAMPLE	OUTLIER	QUALIFIER	COMMENT
	LDW23-SS1061			
	BLA0622-MS1/MSD1			No action for QC IS outliers
23A0249	LDW23-SC1018	HBBP low	None	No impact on target analyte
	LDW23-SC1084			
	LDW23-SC1024			
	LDW23-SC1020			
23A0295	LDW23-SC1074	HBBP low	None	No impact on target analyte
	LDW23-SC1075			
	LDW23-SC1026			
23A0313	BLA0684-MS1	HBBP low	None	No action for QC IS outliers
23A0326	LDW23-SC1162B	HBBP low	None	No impact on target analyte
23A0328	BLB0018-BLK1	HBBP, BNB high	None	No action for QC IS outliers
	LDW23-SS1181		None	Sample results ND
	LDW23-SS1155			
	LDW23-SS1161			
	LDW23-SS1162			
23A0417	BLB0023-BLK1	HBBP, BNB high	None	No action for QC IS outliers
	BLB0023-BS1/BSD1			
	BLB0023-MSD1			
	LDW23-SS1081	BNB high	None	Sample results ND
	LDW23-SS1074	HBBP, BNB high	None	Sample results ND
23A0419	LDW23-SS1218	HBBP, BNB high	None	Sample results ND
	LDW23-SS1133			
	LDW23-SS1135			
	LDW23-SS1136			
	LDW23-SS1140			
	LDW23-SS1041			
	LDW23-SS1038			
23A0419 23A0420	BLB0382-BLK1	HBBP, BNB high	None	No action for QC IS outliers
	BLB0382-BS1/BSD1			
	BLB0382-MS1/MSD1			
23A0420	LDW23-SC1045	HBBP, BNB high	None	Sample results ND
	LDW23-SC1003			
	LDW23-SC1004			
	LDW23-SC1082			
23A0455	BLB0497-BLK1	HBBP, BNB low	None	No action for QC IS outliers
	LDW23-SS1023	HBBP low	None	No impact on target analyte
	LDW23-SS1018			
	LDW23-SS1016			
	LDW23-SS1052	HBBP, BNB low	UJ-19	--

SDG	SAMPLE	OUTLIER	QUALIFIER	COMMENT
23A0467	LDW23-SS1005	HBBP low	None	No impact on target analyte
	LDW23-SS1006			
	LDW23-SS1003			
	LDW23-SS1004			
	LDW23-SS1204			
	LDW23-SS1238			
	LDW23-SS1014			
23C0071	BLC0107 BS1/BSD1	BNB high	None	No action for QC IS outliers
	LDW23-SS1000	BNB high	None	Sample results ND
	LDW23-SS1037	BNB high	None	Sample results ND
	LDW23-SS1036	BNB high	None	Sample results ND
	LDW23-SS1048	BNB high	None	Sample results ND
	LDW23-SS1054	BNB high	None	Sample results ND
	BLC0107 MS1	BNB high	None	No action for QC IS outliers
23C0108	BLC0183 MSD	BNB, HBBP high	None	No action for QC IS outliers
	LDW23-SS1107	BNB high	J-19	--
	LDW23-SS1111	BNB high	J-19	--
	LDW23-SS1118	BNB high	J-19	--
23C0109	LDW23-SS1104	BNB high	J-19	--
	LDW23-SS1105	BNB high	J-19	--
23C0752	BLD0009 LCSD	BNB high	None	No action for QC IS outliers
23C0774	LDW23-SC1002A	BNB low	None	Reported from other column
	LDW23-SC1156B	BNB low	None	Reported from other column
23D0037	LDW23-SS1813	BNB low	J-19	--
23D0393	LDW23-SS1233	BNB low	None	Reported from other column
	BLD0569 MS1/MSD1	BNB low	None	No action for QC IS outliers
23D0394	BLD0606 MS1	BNB high	None	No action for QC IS outliers
	LDW23-SS1071	BNB high	None	Reported from other column, ND
	LDW23-SS1055	BNB high	None	Reported from other column, ND
	LDW23-SS1034	BNB high	None	Reported from other column, ND
23D0396	LDW23-SS1801	BNB high	None	Reported from other column, ND
	LDW23-SS1802	BNB high	None	Reported from other column, ND
23F0143	LDW23-SC1221A	BNB high	None	Sample result ND

Reporting Limits

SDG 23A0313: For Sample LDW23-SC1012B, the result for hexachlorobenzene was Y1-flagged by the laboratory to indicate that RL was elevated due to the sample matrix. Hexachlorobenzene was not detected at the elevated RL. No qualifiers were assigned.

Reported Results

SDG 23A0099: For Sample LDW23-SC1188, due to the value of hexachlorobenzene exceeding the instrument calibration range in the 1x dilution, it was rerun at a 5x dilution and both sets of data were reported. The 1x result was qualified do-not-report (DNR-20) to indicate which value should be used.

Compound Identification

All samples were analyzed using dual column confirmation. When RPD values were between 40% and 60%, the results were estimated (J-3). When the RPD values were greater than 60%, the results were qualified as tentatively identified (NJ 3). With the noted exceptions, the dual column RPD values were less than 40%.

SDG	SAMPLE	HEXACHLOROENZENE RESULT RPD VALUE	QUALIFIER	COMMENT
23A0032	LDW23-SC1212	126.3%	NJ-3	
23A0087	LDW23-SS1224	43.1%	J-3	
	LDW23-SS1212	78.0%	NJ-3	
	LDW23-SS1212-FD	82.1%	NJ-3	
	LDW23-SS1203	75.0%	NJ-3	
	LDW23-SS1251	51.5%	J-3	
23A0088	LDW23-SC1220	117.4%	NJ-3	
	LDW23-SC1225-FD	125%	NJ-3	
	LDW23-SC1225	140.3%	NJ-3	
	LDW23-SC1265	92.7%	NJ-3	
	LDW23-SC1247	84.2%	NJ-3	
	LDW23-SC1270	90%	NJ-3	
	LDW23-SC1276	94.7%	NJ-3	
23A0099	LDW23-IT1160-FD	68.2%	NJ-3	
23A0134	LDW23-SS1160	65%	NJ-3	
23A0158	LDW23-SS1250	55.2%	J-3	
23A0171	LDW23-SS1254	41.9%	J-3	
	LDW23-SS1257	75.9%	NJ-3	
23C0108	LDW23-SC1044	144.1%	NJ-3	
	LDW23-SS1106	101.4%	NJ-3	
	LDW23-SS1111	100%	NJ-3	
	LDW23-SS1118	75%	NJ-3	
23C0109	LDW23-SS1104	74.5%	NJ-3	
	LDW23-SS1105	73.3%	NJ-3	
23D0037	LDW23-SS1812	47.6%	J-3	
23D0396	LDW23-SS1802	56%	None	Result qualified U-7
23E0219	LDW23-SS1815	70.3%	None	Result qualified U-7
23F0143	LDW23-SS1269	42.1	J-3	

SDGs 22L0383, 23A0206, 23A0419, 23C0108: MS/MSD results for hexachlorobenzene were P1-flagged by the laboratory. No action was taken for dual column RPD outliers for laboratory QC samples.

Calculation Verification

SDGs 23A0031 and 23A0087: Calculation verifications were performed for these SDGs. No calculation or transcription errors were found.

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the noted exceptions, accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, and MS/MSD %R values. With the exceptions noted above, precision was acceptable as demonstrated by the MS/MSD, LCS/LCSD and field duplicate relative percent difference values.

Reporting limits were elevated based on method blank contamination. Data were qualified based on surrogate, MS/MSD and internal standard accuracy outliers as well as MS/MSD and dual column precision outliers.

Results were qualified do not report (DNR) to indicate which results from multiple analyses should be used. Data qualified DNR should not be used for any reason.

All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW AOC5 MR Phase 1
PCB Aroclors by SW8082A

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Analytical Resources, LLC (ARL), Tukwila, Washington. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
22L0198	10 Sediment	EPA Stage 2B
22L0383	8 Sediment	EPA Stage 2B
22L0417	9 Sediment	EPA Stage 2B
22L0459	7 Sediment	EPA Stage 2B
23A0031	21 Sediment	Stage 4
23A0032	11 Sediment	Stage 4
23A0087	15 Sediment	Stage 4
23A0088	15 Sediment	EPA Stage 2B
23A0099	13 Sediment	EPA Stage 2B
23A0100	23 Sediment	EPA Stage 2B
23A0133	16 Sediment	EPA Stage 2B
23A0134	16 Sediment	EPA Stage 2B
23A0157	13 Sediment	EPA Stage 2B
23A0158	16 Sediment	EPA Stage 2B
23A0179	12 Sediment	EPA Stage 2B
23A0180	15 Sediment	EPA Stage 2B
23A0206	14 Sediment	EPA Stage 2B
23A0207	17 Sediment	EPA Stage 2B
23A0249	10 Sediment	EPA Stage 2B
23A0295	10 Sediment	EPA Stage 2B
23A0313	13 Sediment	EPA Stage 2B
23A0326	12 Sediment	EPA Stage 2B
23A0328	12 Sediment	EPA Stage 2B
23A0417	15 Sediment	EPA Stage 2B
23A0418	12 Sediment	EPA Stage 2B
23A0419	12 Sediment	EPA Stage 2B
23A0420	9 Sediment	EPA Stage 2B
23A0455	18 Sediment	EPA Stage 2B
23A0467	9 Sediment	EPA Stage 2B
23B0228	1 Sediment	EPA Stage 2B
23B0229	8 Sediment	EPA Stage 2B
23B0276	1 Sediment	EPA Stage 2B
23C0071	9 Sediment	EPA Stage 2B

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
23C0108	10 Sediment	EPA Stage 2B
23C0109	3 Sediment	EPA Stage 2B
23C0752	7 Sediment	EPA Stage 2B
23C0774	15 Sediment	EPA Stage 2B
23D0008	4 Sediment	EPA Stage 2B
23D0037	4 Sediment	EPA Stage 2B
23D0063	4 Sediment	EPA Stage 2B
23D0136	4 Sediment	EPA Stage 2B
23D0393	29 Sediment	EPA Stage 2B
23D0394	13 Sediment	EPA Stage 2B
23D0396	4 Sediment	EPA Stage 2B
23E0009	8 Sediment	EPA Stage 2B
23E0219	13 Sediment	EPA Stage 2B
23F0143	29 Sediment	EPA Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG 23A0032: The case narrative discussed internal standard outliers but did not include all samples that had outliers on both columns. Qualifiers were assigned as described in the **Internal Standard** section.

SDG 23A0158: For several summary forms, the initial calibration ID was incorrectly listed on the summary forms as FL00010. The correct initial calibration ID is GA00061. A calculation verification was performed to confirm that samples and continuing calibrations were quantitated using GA00061. The summary forms for the following samples have the incorrect initial calibration ID listed.

SDG	SAMPLE
23A0158	LDW23-SS1281
	LDW23-SS1280
	LDW23-SS1279
	LDW23-SS1250
	LDW23-SS1249
	LDW23-SS1222
	LDW23-SS1215
	LDW23-SS1185
	LDW23-SS1107
	LDW23-SS1070

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory quality control sample results were also verified (10%).

The laboratory defines a P1-flag as an indication that the RPD between results from two analytical columns is greater than 40%. For the following samples, surrogate values were P1-flagged by the laboratory. No action was taken for surrogate dual column RPD values.

SDG	SAMPLE	SURROGATE	EDD FLAG	PDF FLAG
23A0313	LDW23-IT1114	DCBP (PCB-209)	Yes	No
23A0326	LDW23-SC1155	TCMX	Yes	No
23A0417	LDW23-SS1081	DCBP (PCB-209)	Yes	No
23D0393	LDW23-IT1086	TCMX	Yes	No

SDGs 23A0031, 23A0134, 23D0393: For several samples, results were incorrectly P1-flagged on the sample summary forms in the PDF and in the EDD. See the **Compound Identification** section for further details.

SDG 23A0295: The sampling times for Sample LDW23-IT1027 did not match between the chains-of-custody (COC) and the EDD. The time entered in the EDD is correct. No action was taken.

SDG 23A0313: Sample matrix entered as "SN" in the EDD. The COC indicates that that sample matrix is sediment. No action was taken.

TECHNICAL DATA VALIDATION

The quality control (QC) requirements that were reviewed are listed in the following table:

1	Sample Receipt, Preservation, and Holding Times	1	Field Duplicates
✓	Initial Calibration (ICAL)	✓	Target Analyte List
2	Continuing Calibration (CCAL)	2	Internal Standards
✓	Laboratory Blanks	1	Standard Reference Material
1	Field Blanks	1	Reporting Limits
2	Surrogate Compounds	2	Reported Results
2	Laboratory Control Samples (LCS/LCSD)	2	Compound Identification
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)	1	Calculation Verification (Full Validation Only)

✓ Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

¹ Quality control results are discussed below, but no data were qualified.

² Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

SDG 23A0088: On the original chain-of-custody (COC), two of the samples were listed as LDW23-SC1184B and LDW23-SC1214B. The PDF includes a copy of a corrected COC; these samples are listed as LDW23-SC1184A and LDW23-SC1214A. The samples were logged in as the latter.

On the COC, for four samples, the "SC" was missing from the sample IDs. The client requested that the lab correct the sample IDs. The samples were logged in as LDW23-SC1265, LDW23-SC1247, LDW23-SC1270, and LDW23-SC1276.

SDG 23A0418: Samples were received by the laboratory at 6.9°C, above the recommended temperature range of 0-6°C. The samples were immediately stored frozen. Data was judged to not be significantly impacted by the temperature outlier; no qualifiers were assigned.

SDG 23E0009: Sample LDW23-SS1820 was listed on the original COC as LDW23-SC1820. A corrected COC was provided. The corrected ID was used.

Continuing Calibration (CCAL)

CCALs were analyzed at the appropriate frequency. With the noted exceptions, the percent drift (%D) values were within $\pm 20\%$.

SDG 23A0031: For the several CCALs, the %D for one or more Aroclors on column 1 were greater than the upper control limit. Results in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23A0032: For the CCAL analyzed on 1/25/23 at 19:17, the %D value for Aroclor 1260 was greater than the upper control limit on column 1. The %D value on column 2 was acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23A0087: For the CCAL analyzed on 1/26/23 at 10:49, the %D value for Aroclor 1260 was less than the lower control limit on column 1. Aroclor 1260 was reported on column 1 for sample LDW23-SS1264; the result was estimated (J-5BL).

SDG 23A0088: For the CCALs analyzed on 1/27/23 at 03:58 and 10:52, the %D values for Aroclor 1248 were less than the lower control limit on column 1. Associated field sample results reported from column 1 were estimated (J/UJ-5BL).

SDG 23A0100: For the CCAL analyzed on 1/27/23 at 10:52, the %D value for Aroclor 1248 was less than the lower control limit on column 1. Associated field sample results reported from column 1 were estimated (J-5BL).

For two other CCALs, the %D were less than the lower control limit on column 1. Associated samples results were reported on column 2; no qualifiers were assigned.

SDG 23A0133: For the CCAL analyzed on 1/31/23 @ 14:09, the %D value for Aroclor 1260 was less than the lower control limit on column 1. The %D values on column 2 were acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23A0134: For the several CCALs, the %D for various Aroclors on column 1 were less than the lower control limit. Results in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23A0157: For the CCAL analyzed on 2/6/23 at 16:55, the %D values for TCMX were greater than the upper control limit for both columns. No qualifiers were assigned for QC surrogate outliers.

SDG 23A0158: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
2/7/23 @ 22:30	Aroclor 1254 low	None	CCAL bracketing QC only
2/8/23 @ 04:27	Aroclor 1248 low	None	Reported from other column
2/8/23 @ 08:18	TCMX high	None	No action for QC surrogate outliers
2/8/23 @ 08:39	DCBP high	None	No action for QC surrogate outliers
2/8/23 @ 14:53	Aroclor 1248 low	UJ-5BL	--
	DCBP low	None	No action for QC surrogate outliers
2/8/23 @ 19:47	DCBP low	None	No action for QC surrogate outliers

SDG 23A0179: For the CCALs analyzed on 2/5/23 at 01:45 and 2/6/23 at 16:55, the %D values for TCMX were greater than the upper control limit for both columns. No qualifiers were assigned for QC surrogate outliers.

SDG 23A0206: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
2/7/23 @ 14:26	Aroclor 1260 low	None	Reported from other column
2/7/23 @ 19:21	TCMX high	None	No action for QC surrogate outliers
2/7/23 @ 22:30	Aroclor 1254 low	J/UJ-5BL	Low on both columns
2/8/23 @ 12:05	Aroclor 1260 low	None	Reported from other column
2/8/23 @ 14:53	Aroclor 1248 low	None	Reported from other column
	DCBP low	None	No action for QC surrogate outliers
2/9/23 @ 14:20	Aroclor 1260 low	None	Reported from other column
2/9/23 @ 17:51	Aroclor 1248 low	None	Reported from other column

SDG 23A0207: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
2/8/23 @ 19:47	DCBP low	None	No action for QC surrogate outliers
2/9/23 @ 14:20	Aroclor 1260 low	None	Reported from other column
2/9/23 @ 17:51	Aroclor 1248 low	None	Reported from other column

SDG 23A0249: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
2/10/23 @ 01:34	DCBP low	None	No action for QC surrogate outliers
2/10/23 @ 01:55	Aroclor 1260 low	None	Reported from other column
2/10/23 @ 07:52	Aroclor 1248 low	None	Reported from other column
2/10/23 @ 16:17	Aroclor 1254 low	None	Reported from other column
2/10/23 @ 17:41	Aroclor 1248 low	J-5BL	--

SDG 23A0295: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
2/10/23 @ 01:34	DCBP low	None	No action for QC surrogate outliers
2/10/23 @ 01:55	Aroclor 1260 low	None	CCAL bracketing QC only
2/10/23 @ 07:52	Aroclor 1248 low	J/UJ-5BL	--
2/10/23 @ 16:17	Aroclor 1254 low	J/UJ-5BL	--
2/10/23 @ 17:41	Aroclor 1248 low	None	Reported from other column

SDG 23A0313: For the CCAL analyzed on 2/14/23 at 00:16, the %D value for Aroclor 1254 was less than the lower control limit on column 1. The %D values on column 2 were acceptable. Results for Aroclor 1254 in the associated samples were reported from column 2; no qualifiers were assigned.

For the CCAL analyzed on 2/14/23 at 05:53, the %D value for Aroclor 1248 was less than the lower control limit on column 1. The %D values on column 2 were acceptable. Results for Aroclor 1248 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23A0326: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
2/14/23 @ 00:16	Aroclor 1254 low	None	Reported from other column
2/14/23 @ 05:53	Aroclor 1248 low	None	Reported from other column
2/14/23 @ 09:02	DCBP low	None	No action for QC surrogate outliers

SDG 23A0417: For the CCAL analyzed on 2/21/23 at 00:54, the %D value for DCBP was greater than the upper control limit for column 1. No qualifiers were assigned for QC surrogate outliers.

SDG 23A0418: For the CCALs analyzed on 3/2/23 at 06:08, 11:45 and 16:25, the %D values for Aroclor 1260 were greater than the upper control limit on column 1. Results for Aroclor 1260 for the associated samples were either not detected or were reported from column 2; no qualifiers were assigned.

SDG 23A0180: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
2/5/23 @ 01:45	TCMX high	None	No action for QC surrogate outliers
2/5/23 @ 07:23	Aroclor 1254 low	None	Reported from other column
2/5/23 @ 11:57	Aroclor 1248 low	None	Reported from other column
2/6/23 @ 16:55	TCMX high	None	No action for QC surrogate outliers
2/6/23 @ 22:31	Aroclor 1254 low	J-5BL	--
2/7/23 @ 13:23	Aroclor 1260 low	None	Reported from other column
2/7/23 @ 14:26	Aroclor 1260 low	None	Reported from other column

SDG 23A0328: For the CCAL analyzed on 2/21/23 at 17:25, the %D value for Aroclor 1260 was greater than the upper control limit on column 1. The %D value on column 2 was acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

For the CCAL analyzed on 2/22/23 at 15:55, the %D value for Aroclor 1260 was greater than the upper control limit on column 1. The %D value on column 2 was acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23A0419: For the four (4) CCALs analyzed on 3/2/23 at 01:56, 06:08, 11:45 and 16:25, the %D values for Aroclor 1260 were greater than the upper control limit on column 1. The %D values on column 2 were acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23A0420: For the CCALs analyzed on 2/28/23 at 20:28 and 3/1/23 at 02:47, the %D values for Aroclor 1260 were greater than the upper control limit on column 1. The %D values on column 2 were acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23A0455: For the CCALs analyzed on 3/2/23 at 23:42, 3/3/23 at 05:18 and 3/3/23 at 09:30, the %D values for Aroclor 1260 were greater than the upper control limit on column 1. The %D values on column 2 were acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

For the CCAL analyzed on 3/3/23 at 04:57, the %D value for TCMX was greater than the upper control limit for column 1. No qualifiers were assigned for QC surrogate outliers.

SDG 23A0467: For the CCALs analyzed on 3/3/23 at 09:30 and 15:28, the %D values for Aroclor 1260 were greater than the upper control limit on column 1. The %D values on column 2 were acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23B0228, 23B0229, and 23B0276: For the Aroclor 1260 CCALs analyzed on 3/1/23 at 02:47 and 08:45, the %D values were greater than the upper control limit on column 1. Field sample results were reported from column 2; no qualifiers were assigned.

SDG 23C0071: For the CCALs analyzed on 3/14/23 at 15:04, 20:38 and 23:04, the %D values for Aroclor 1260 were greater than the upper control limit on column 1. The %D values on column 2 were acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23C0108, 23C0109: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
3/15/23 @ 17:09	DCBP low	None	No action for QC surrogate outliers
3/15/23 @ 17:30	DCBP low	None	Reported from other column
3/15/23 @ 23:44	Aroclor 1260 low	None	Reported from other column
3/16/23 @ 02:31	Aroclor 1260 low	None	Reported from other column

SDG 23C0752: The following outliers were noted:

CCAL DATE	COMPOUND	QUALIFIER	COMMENT
4/13/23 @ 02:32	Aroclor 1260 high	None	Reported from other column
4/13/23 @ 09:54	Aroclor 1260 high	None	Reported from other column
4/13/23 @ 10:35	Aroclor 1248 high	None	Not detected in sample
4/13/23 @ 10:56	Aroclor 1260 high	None	Reported from other column

SDG 23C0774, 23D0008: For the CCAL analyzed on 4/13/23 at 21:34 and 4/14/23 at 01:22, the %D values for Aroclor 1260 were greater than the upper control limit on column 1. The %D value on column 2 was acceptable. Results for Aroclor 1260 in the associated samples were reported from column 2; no qualifiers were assigned.

SDG 23D0037, 23D0063: For the CCAL analyzed on 5/2/23 at 21:23, the %D value for TCMX on the second column was greater than the upper control limit; No action was taken for QC surrogate outliers.

SDG 23D0393: For the CCAL analyzed on 5/6/23 at 22:23, the %D value for Aroclor 1260 was greater than the control limit for column 2. The %D value for column 2 was acceptable. Field sample results were reported from column 2; no qualifiers were assigned.

For the CCAL analyzed on 5/7/23 at 08:07, the %D value for TCMX on the second column was greater than the upper control limit; No action was taken for QC surrogate outliers.

SDG 23E0009: For the CCAL analyzed on 5/19/23 at 20:02, the %D value for Aroclor 1260 was greater than the upper control limit. Positive results in the associated field samples were estimated (J-5BH).

For the CCAL analyzed on 5/23/23 at 11:18, the %D value for Aroclor 1254 was greater than the upper control limit on column 2. The %D value for Aroclor 1254 was acceptable on column 1. Results in the associated field samples were reported from column 1; no qualifiers were assigned.

For the CCAL analyzed on 5/23/23 at 11:39, the %D value for Aroclor 1260 was greater than the upper control limit on column 1. The %D value for Aroclor 1260 was acceptable on column 2. Results in the associated field samples were reported from column 2; no qualifiers were assigned.

SDG 23E0219: For the CCAL analyzed on 6/14/23 at 21:19, the %D value for TCMX was greater than the upper control limit. No action was taken for the QC surrogate outlier.

For the CCAL analyzed on 6/15/23 at 15:51, the %D value for Aroclor 1248 was greater than the upper control limit for column 1. The %D value was acceptable for column 2. Associated field sample results were reported from column 2; no qualifiers were assigned.

For the CCAL analyzed on 6/15/23 at 16:11, the %D value for Aroclor 1260 was greater than the upper control limit for column 2. The %D value was acceptable for column 1. Associated field sample results were reported from column 1; no qualifiers were assigned.

Field Blanks

No Field blanks were collected with these samples.

Surrogate Compounds

Surrogate compounds tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCBP) were added to all samples and laboratory QC samples. The samples were analyzed using dual column confirmation. Percent recovery (%R) values were reported from both columns. No qualifiers were assigned if three of the four %R values were within control limits. No qualifiers are assigned to laboratory QC samples.

SDG 22L0459: For Sample LDW23-SC1002C, the %R values of TCMX were less than the control limit on both columns. All results for the sample were estimated (J/UJ-13L).

SDG 23A0087: For Sample LDW23-SS1211, the %R values for DCBP were greater than the upper control limit on both columns. Positive results in the sample were estimated (J-13H).

For Sample LDW23-SS1203, the %R value for DCBP was greater than the control limit on column 2. All other surrogate results were acceptable; no qualifiers were assigned.

SDG 23A0088: For Sample LDW23-SC1190, the %R value for DCBP was reported as "NRS" by laboratory on both columns, indicating matrix interference prevented quantitation. The %R values

for TCMX were acceptable on both columns. Due to the potential high bias from the matrix interference, positive results were estimated (J-13H).

SDG 23A0134: For Sample LDW23-IT1210, the %R values of DCBP were greater than the upper control limit on both columns. Associated positive results were estimated (J-13H).

SDG 23A0179: For Samples LDW23-SS1171 (analyzed at 5000x) and LDW23-SS1112 (analyzed at 100x), the surrogates were diluted below the reporting limit; no action was taken.

SDG 23A0313: For Samples LDW23-IT1114 and LDW23-IT1120, the %R values for DCBP were greater than the control limit on one column. All other surrogate results were acceptable; no qualifiers were assigned.

For Sample LDW23-SC1095, all surrogate %R values were less than the lower control limit. Results in the sample were estimated (J/UJ-13L).

SDG 23A0328: For Samples LDW23-SS1209, the %R values of DCBP were greater than the upper control limit for both columns. Positive results were estimated (J-13H).

For the MS for batch BLB0017, the %R value for DCBP was greater than the control limit on column 1. No action was taken for QC surrogate outliers.

SDG 23D0393: For samples LDW23-SS1147 (200x) and LDW23-IT1147 (200x), TCMX for column 2 was not detected due to the samples being diluted to a concentration below the low standard for TCMX and were D1-flagged by the laboratory. No qualifiers were assigned.

SDG 23D0394: the TCMX results for Sample LDW23-SS1071 were flagged by the laboratory. The %R values for TCMX were within the control limits; no action was taken.

For Sample LDW23-IT1067, TCMX for column 2 was not detected due to the samples being diluted to a concentration below the low calibration standard for TCMX and were flagged by the laboratory. No qualifiers were assigned.

SDG 23E0219: For Sample LDW23-SS1167, the %R value for DCBP was greater than the control limit on one column. All other surrogate results were acceptable; no qualifiers were assigned.

For Sample LDW23-SS1815, the %R value for TCMX was greater than the control limit on one column. All other surrogate results were acceptable; no qualifiers were assigned.

SDG 23F0143: For Sample LDW23-SS1050, the %R value for DCBP was greater than the upper control limit on one column. All other surrogate results were acceptable; no qualifiers were assigned.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the required frequency of one per batch of 20 or fewer samples. No action is taken unless both the LCS and LCSD percent recovery (%R) values are outside the control limits for %R outliers. Precision

is evaluated using the relative percent difference (RPD) values calculated between the LCS and LCSD results. Any RPD values outside the control limits indicate uncertainty in the measured results for the sample. Qualifiers are issued to all samples in the analysis batch.

When the LCS/LCSD %R values indicate a potential low bias, associated results are estimated (J/UJ-10L). Only the associated positive results are estimated (J-10H) if the %R values indicate a potential high bias. Associated positive results are estimated (J-9) if the RPD values indicate uncertainty.

SDG 23A0087, 23A0328: For Batch BLB0017, the %R values for Aroclor 1260 were greater than the upper control limit for the LCS and the LCSD; positive results for Aroclor 1260 in the associated field samples were estimated (J-10H).

SDG 23A0467: For batch BLB0580, the LCS %R values for Aroclors 1016 and 1260 were less than the lower control limits. The LCSD %R values were acceptable; no qualifiers were assigned for single %R outliers. The RPD value for Aroclor 1016 was greater than the control limit. Aroclor 1016 was not detected in the associated samples; no qualifiers were assigned. The RPD value for Aroclor 1260 was greater than the control limit. Aroclor 1260 results in the associated samples were estimated (J-9).

Matrix Spike/Matrix Spike Duplicates (MS/MSD)

Matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at the appropriate frequency. No action is taken unless both the MS and MSD percent recovery (%R) values are outside the control limits for MS/MSD %R outliers. MS/MSD %R values are not evaluated when the parent concentration is greater than 4x the spike concentration. Precision is evaluated using the relative percent difference (RPD) values calculated between the MS and MSD results. Any RPD values outside the control limits indicate uncertainty in the measured results for the sample. Qualifiers were only issued to the parent sample.

When the MS/MSD %R values indicate a potential low bias, associated results are estimated (J/UJ-8L). Only the associated positive results are estimated (J-8H) if the %R values indicate a potential high bias. Associated positive results are estimated (J-9) if the RPD values indicate uncertainty.

SDG 22L0383, 22L0417: Sample LDW23-SC1150C-FD from SDG 22L0383 was used for the MS/MSD analyses. The %R values for Aroclor 1260 were less than the lower control limit. The Aroclor 1260 result in the parent sample was estimated (J-8L).

SDG 23A0031: Sample LDW23-SS1144 was used for the MS/MSD analyses. The RPD value for Aroclor 1260 was greater than the control limit. The positive result for Aroclor 1260 in the parent sample was estimated (J-9). The %R value for Aroclor 1260 was greater than the upper control limit for the MSD but within the control limits for the MS; no qualifiers were assigned for the single outlier.

SDG 23A0088: Sample LDW23-SC1190 was used for the MS/MSD analyses. The %R values for Aroclor 1016 was greater than the upper control limit for the MS/MSD. Aroclor 1016 was not detected in the parent sample; no qualifiers were assigned. The %R value for Aroclor 1260 was less than the lower control limit for the MSD but was within control limits for the MS; no qualifiers were assigned for the single outlier.

SDG 23A0133: Sample LDW23-IT1217 was used for the MS/MSD analyses. The %R value for Aroclor 1260 were less than the lower control limit for the MSD sample, but in control in the associated MS sample; no qualifiers were assigned for the single outlier.

SDG 23A0134: Sample LDW23-SC1077 was used for the MS/MSD analyses. The MS/SMD %R values for Aroclor 1260 were less than the lower control limit. The Aroclor 1260 result in the parent sample was estimated (J-8L).

SDG 23A0180: Sample LDW23-SC1101 was used for the MS/MSD analyses. The MS %R value for Aroclor 1260 was less than the lower control limit. The MSD %R value for Aroclor 1260 was acceptable; no qualifiers were assigned for the single outlier.

SDG 23A0313: Sample LDW23-SC1076 was used for the MS/MSD analyses. The MSD %R value for Aroclor 1260 was greater than the upper control limit. The MS %R value for Aroclor 1260 was acceptable; no qualifiers were assigned for the single outlier. The RPD value for Aroclor 1260 was greater than the control limit. The Aroclor 1260 result in the parent sample was estimated (J-9).

SDG 23A0328: Sample LDW23-SS1209 was used for the MS/MSD analyses. The %R values for Aroclor 1016 were greater than the upper control limit. Aroclor 1016 was not detected in the parent sample; no qualifiers were assigned. The %R value for Aroclor 1260 was greater than the upper control limit for the MS. The %R value for Aroclor 1260 was acceptable for the MSD; no qualifiers were assigned for the single outlier. The RPD for Aroclor 1260 was greater than the control limit; the result for Aroclor 1260 in the parent sample was estimated (J-9).

SDG 23C0752: Sample LDW23-SC1810 was used for the MS/MSD analyses. The %R values for Aroclor 1016 were less than the lower control limit for the MS/MSD. The result for Aroclor 1016 for the parent sample was estimated (UJ-8L). The %R value for Aroclor 1260 was greater than the upper control limit for the MS. The %R value for Aroclor 1260 was acceptable for the MSD; no qualifiers were assigned for the single outlier. The RPD for Aroclor 1260 was greater than the control limit; the result for Aroclor 1260 in the parent sample was estimated (J-9).

SDG 23C0774, 23D0008: Sample LDW23-SC1007A from SDG 23C0774 was used for the MS/MSD analyses. The %R value for Aroclor 1016 was less than the lower control limit for the MS. The %R value for Aroclor 1016 was acceptable for the MSD; no qualifiers were assigned for the single outlier.

SDG 23D0037, 23D0063: Sample LDW23-SS1813 from SDG 23D0037 was used for the MS/MSD analyses. The %R value for Aroclor 1260 was greater than the upper control limit for the MSD; no qualifiers were assigned for the single outlier.

SDG 23D0394: Sample LDW23-SS1807 was used for the MS/MSD analyses. The %R value for Aroclor 1260 was greater than the upper control limit for the MSD. The %R value was acceptable for the MS; no qualifiers were assigned based on the single outlier. The RPD value for Aroclor 1260 was greater than the control limit; the result in parent sample was estimated (J-9)

SDG 23E0009: Sample LDW23-SS1811 was used for the MS/MSD analyses. The %R value for Aroclor 1260 was greater than the upper control limit for the MSD. The %R value was acceptable for the MS; no qualifiers were assigned based on the single outlier.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL. No data were qualified based on field duplicate precision outliers. Users of the data should consider the impact of field precision outliers on the reported results.

SDG 22L0383: Two sets of field duplicates were submitted:

- LDW23-SC1150C and LDW23-SC1150C-FD. Field precision was acceptable.
- LDW23-SC1191B and LDW23-SC1191B-FD. Field precision was acceptable.

SDG 23A0031: Five sets of field duplicates were submitted:

- LDW23-SS1199 and LDW23-SS1199-FD. The RPD values for Aroclor 1248, Aroclor 1254, and Aroclor 1260 were greater than the control limit.
- LDW23-SS1191 and LDW23-SS1191-FD. Field precision was acceptable.
- LDW23-SS1177 and LDW23-SS1177-FD. The RPD values for Aroclor 1248 and Aroclor 1254 were greater than the control limit.
- LDW23-SS1156 and LDW23-SS1156-FD. The RPD value for Aroclor 1248 was greater than the control limit.
- LDW23-SS1143 and LDW23-SS1143-FD. Field precision was acceptable.

SDG 23A0032: One set of field duplicates, LDW23-SC1203 and LDW23-SC1203-FD, was submitted. Field precision was acceptable.

SDG 23A0087: Two sets of field duplicates were submitted:

- LDW23-SS1212 and LDW23-SS1212-FD. Field precision was acceptable.
- LDW23-SS1267 and LDW23-SS1267-FD. Field precision was acceptable.

SDG 23A0088: One set of field duplicates, LDW23-SC1225 and LDW23-SC1225-FD, was submitted. Field precision was acceptable.

SDG 23A0099: Two sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SC1186 and LDW23-SC1186-FD.
- LDW23-IT1160 and LDW23-IT1160-FD.

SDG 23A0100: Five sets of field duplicates were submitted. Field precision was acceptable:

- LDW23-SS1276 and LDW23-SS1276-FD
- LDW23-SS1270 and LDW23-SS1270-FD
- LDW23-SS1265 and LDW23-SS1265-FD
- LDW23-SS1247 and LDW23-SS1247-FD
- LDW23-SS1225 and LDW23-SS1225-FD

SDG 23A0133: One set of field duplicates, LDW23-SC1244 and LDW23-SC1244-FD, were submitted. Field precision was acceptable.

SDG 23A0157: One set of field duplicates, LDW23-SC1248 and LDW23-SC1248-FD, were submitted. The RPD values for Aroclors 1248 and 1254 were greater than the control limit.

SDG 23A0180: One set of field duplicates, LDW23-SC1164 and LDW23-SC1164-FD, were submitted. Field precision was acceptable.

SDG 23A0418: One set of field duplicates, LDW23-IT1133 and LDW23-IT1133-FD, were submitted. The RPD values for Aroclors 1248, 1254 and 1260 were greater than the control limit.

SDG 23A0207: One set of field duplicates, LDW23-IT1080 and LDW23-IT1080-FD, were submitted. Field precision was acceptable.

Internal Standards

Internal standards (IS) hexabromobiphenyl (HBBP) and 1-bromo-2-nitrobenzene (BNB) were added to all samples and laboratory QC samples. When the IS area is less than 50%, associated positive results and reporting limits are estimated (J/UJ-19). When the IS area is greater than 200%, only associated positive results are estimated (J-19). All samples were analyzed on two columns. In cases where there was an outlier on only one column, and the associated result was reported from the column with acceptable IS recovery, no qualifiers were assigned. HBBP is associated with Aroclor 1260 results, and BNB is associated with Aroclors 1016, 1221, 1232, 1242, 1248, and 1254 results. With the noted exceptions, all internal standard areas were within 50 – 200% of the associated initial calibration midpoint standard.

SDG	SAMPLE	OUTLIER	QUALIFIER	COMMENT
22L0383	All Samples and MS/MSD	HBBP low	None	Reported from other column
22L0417	Several Samples	HBBP low	None	Reported from other column
22L0459	Several Samples and MS/MSD	HBBP low	None	Reported from other column
23A0031	Several Samples	HBBP low	None	Reported from other column
23A0032	Several Samples	HBBP low	None	Reported from other column
	LDW23-IT1264	HBBP low	J-19	Aroclor 1260
	LDW23-IT1269	HBBP low	J-19	Aroclor 1260
	LDW23-IT1272	HBBP low	J-19	Aroclor 1260
	LDW23-IT1224	HBBP low	J-19	Aroclor 1260
	LDW23-IT1235	HBBP low	J-19	Aroclor 1260

SDG	SAMPLE	OUTLIER	QUALIFIER	COMMENT
23A0087	Several Samples	HBBP low	None	Reported from other column
	LDW23-SS1264	HBBP low	J-19	Aroclor 1260
	LDW23-SS1272	HBBP low	J-19	Aroclor 1260
	LDW23-SS1235	HBBP low	J-19	Aroclor 1260
	LDW23-SS1212	HBBP low	J-19	Aroclor 1260
	LDW23-SS1212-FD	HBBP low	J-19	Aroclor 1260
	LDW23-SS1189	HBBP low	J-19	Aroclor 1260
	LDW23-SS1267	HBBP low	J-19	Aroclor 1260
	LDW23-SS1267-FD	HBBP low	J-19	Aroclor 1260
23A0088	LDW23-SS1229	HBBP low	J-19	Aroclor 1260
	Several Samples and MSD	HBBP low	None	Reported from other column
23A0088	MSD	HBBP low	None	QC samples not qualified
	23A0100	Several Samples	HBBP low	None
23A0133	Several Samples	HBBP low	None	Reported from other column
	LDW23-SC1222	HBBP low	J-19	Aroclor 1260
23A0134	LDW23-SC1077 MS	HBBP low	None	No action for QC IS outliers
	LDW23-IT1194	HBBP low	J-19	Aroclor 1260
23A0157	LDW23-SC1239	HBBP low	None	Reported from other column
	LDW23-SC1271	HBBP low	None	Reported from other column
	LDW23-SC1213	HBBP low	None	Reported from other column
	LDW23-SC1171	HBBP low	None	Reported from other column
23A0179	LDW23-SS1007	HBBP low	None	Reported from other column
	LDW23-SS1112 (1x)	HBBP low	None	Reported from other column
	BLE0737 MS/MSD	HBBP low	None	No action for QC IS outliers
23A0180	LDW23-SC1164	HBBP low	J-19	Aroclor 1260
	LDW23-SC1164-FD	HBBP low	J-19	Aroclor 1260
	LDW23-SC1158	HBBP low	J-19	Aroclor 1260
	LDW23-SC1061	HBBP low	J-19	Aroclor 1260
	LDW23-SC1093	HBBP low	J-19	Aroclor 1260
	LDW23-SC1094	HBBP low	J-19	Aroclor 1260
	LDW23-SC1103	HBBP low	J-19	Aroclor 1260
	LDW23-SC1101	HBBP low	J-19	Aroclor 1260
	LDW23-SC1096	HBBP low	J-19	Aroclor 1260
BLA0559 MS/MSD	HBBP low	None	No action for QC IS outliers	
23A0207	LDW23-IT1201	HBBP low	None	Reported from other column
23A0207	LDW23-IT1209	HBBP low	None	Reported from other column
23A0249	LDW23-SC1025	HBBP low	None	Reported from other column
	LDW23-SC1040	HBBP low	J-19	Aroclor 1260
	LDW23-SC1030	HBBP low	None	Reported from other column
23A0313	LDW23-SC1012B	HBBP low	None	Reported from other column
	LDW23-IT1148	HBBP low	None	Reported from other column
23A0326	LDW23-SC1028	HBBP low	None	Reported from other column
	LDW23-SC1032	HBBP low	None	Reported from other column
	LDW23-IT1127	HBBP low	J-19	Aroclor 1260
	LDW23-SC1161	HBBP low	None	Reported from other column

SDG	SAMPLE	OUTLIER	QUALIFIER	COMMENT
23A0417	BLB0021 MS	HBBP low	None	No action for QC IS outliers
23A0419	LDW23-SS1218	HBBP low	None	Reported from other column
	LDW23-SS1045	HBBP low	None	Reported from other column
	LDW23-SS1133	HBBP low	None	Reported from other column
	LDW23-SS1030	HBBP low	None	Reported from other column
23A0420	LDW23-SC1045	HBBP low	None	Reported from other column
	LDW23-IT1051	HBBP low	None	Reported from other column
	LDW23-SC1125	HBBP low	None	Reported from other column
	LDW23-SC1132	HBBP low	None	Reported from other column
	LDW23-SC1003	HBBP low	None	Reported from other column
	LDW23-SC1004	HBBP low	None	Reported from other column
	LDW23-SC1082	HBBP low	None	Reported from other column
	BLB0391 MS/MSD	HBBP low	None	No action for QC IS outliers
23B0229	Several Samples	HBBP low	None	Reported from other column
23C0108	All field samples	HBBP low	None	Reported from other column
23C0109	All field samples	HBBP low	None	Reported from other column
23C0752	LDW23-SS1026	HBBP low	None	Reported from other column
	LDW23-SS1125	HBBP low	None	Reported from other column
	LDW23-SS1132	HBBP low	None	Reported from other column
	LDW23-SS1810	HBBP low	None	Reported from other column
	LDW23-SC1810	HBBP low	None	Reported from other column
	LDW23-SC1809	HBBP low	None	Reported from other column
	BLD0010 MS/MSD	HBBP low	None	No action for QC IS outliers
23C0774	LDW23-SC1053B	HBBP low	None	Reported from other column
	LDW23-SC1007A	HBBP low	None	Reported from other column
	LDW23-SC1002A	HBBP low	None	Reported from other column
	LDW23-SC1002B	HBBP low	None	Reported from other column
	LDW23-SC1046A	HBBP low	None	Reported from other column
	LDW23-SC1046B	HBBP low	None	Reported from other column
	LDW23-SC1177A	HBBP low	None	Reported from other column
	LDW23-SC1177B	HBBP low	None	Reported from other column
	LDW23-SC1156B	HBBP low	None	Reported from other column
	LDW23-SC1183B	HBBP low	None	Reported from other column
	LDW23-SC1183C	HBBP low	None	Reported from other column
LDW23-SS1808	HBBP low	None	Reported from other column	
23C0774	LDW23-SC1808	HBBP low	None	Reported from other column
	BLD0059 MS/MSD	HBBP low	None	No action for QC IS outliers
23D0008	All samples	HBBP low	None	Reported from other column
23D0037	BLD0300 MSD	HBBP low	None	No action for QC IS outliers
	LDW23-IT1813	HBBP low	None	Reported from other column

SDG	SAMPLE	OUTLIER	QUALIFIER	COMMENT
23D0393	LDW23-SS1233	HBBP low	J-19	Aroclor 1260
	LDW23-SS1097	HBBP low	None	Reported from other column
	LDW23-IT1049	HBBP low	J-19	Aroclor 1260
	LDW23-IT1042	HBBP low	J-19	Aroclor 1260
	LDW23-IT1043	HBBP low	J-19	Aroclor 1260
	LDW23-SC1098	HBBP low	J-19	Aroclor 1260
	LDW23-SC1099	HBBP low	J-19	Aroclor 1260
	LDW23-SS1102	HBBP low	J-19	Aroclor 1260
	LDW23-SS1099	HBBP low	J-19	Aroclor 1260
	BLD0572 MSD	HBBP low	None	No action for QC IS outliers
23E0219	LDW23-SC1035	HBBP low	None	Reported from other column
	LDW23-IT1167	HBBP low	None	Reported from other column
	BLE0423 Blank	HBBP high	None	No action for QC IS outliers
	BLE0423 LCS/LCSD	HBBP high	None	No action for QC IS outliers
23F0143	LDW23-SC1184B	HBBP low	J-19	Aroclor 1260
	All other field samples	HBBP low	None	Reported from other column

Standard Reference Material

Puget Sound Reference Material was analyzed with each batch. With the exception noted below, all concentrations were within the advisory limits of 41 – 180 ug/Kg for AR1260. No qualifiers were assigned based on the laboratory analyzing a SRM outside the reported holding time.

The following SRM samples were prepared and/or analyzed outside the expiration date reported by the laboratory:

SDG	BATCH	SRM LOT	EXPIRATION DATE	PREPARATION DATE	ANALYSIS DATE	%R WITHIN LIMITS
23A0179	BLE0737	PSRM0150	4/12/23	1/26/23	5/31/23	Yes
23D0037 23D0063	BLD0300	PSRM0153	4/15/23	4/17/23	5/2/23	Yes
23D0136	BLD0328	PSRM0153	4/15/23	4/18/23	5/2/23	Yes
23D0393	BLD0570	PSRM0153	4/15/23	4/21/23	5/6/23	Yes
	BLD0572	PSRM0153	4/15/23	4/24/23	5/7/23	Yes
23D0394 23D0396	BLD0608	PSRM0151	4/12/23	4/25/23	5/10/23	Yes
23E0009	BLE0151	PSRM0152	10/15/22	5/10/23	5/19/23	Yes
23E0219	BLE0423	PSRM0149	4/12/23	5/17/23	6/14/23	Yes
23F0143	BLF0246	PSRM0149	4/12/23	6/14/23	6/30/23	Yes
	BLF0247	PSRM0149	4/12/23	6/14/23	7/1/23	No

For the SRM prepared with batch BLF0247, the %R value for Aroclor 1260 was less than the lower control limit on column 1. The %R value for Aroclor 1260 was acceptable on column 2. Associated field sample results were reported from column 2; no qualifiers were assigned.

Reporting Limits

All SDGs: Several samples were analyzed at dilutions due to the high concentration of some target analytes. Reporting limits were adjusted accordingly. Some reporting limits for non-detected analytes were greater than the QAPP-required reporting limits.

Reported Results

SDG 23A0179: Sample LDW23-SS1112 was initially reported at a 100x dilution, and no target analytes were detected. The sample was re-extracted and analyzed at 1x. All results for the 100x dilution were qualified as do-not-report (DNR-11) to indicate multiple results reported for a given analyte.

Compound Identification

All samples were analyzed using dual column confirmation. When RPD values were between 40% and 60%, the results were estimated (J-3). When the RPD values were greater than 60%, the results were qualified as tentatively identified (NJ 3). With the noted exceptions, the dual column RPD values were less than 40%.

SDG	SAMPLE	AROCLOR	RPD	QUALIFIER
23A0031	LDW23-SS1156	1254	48.7	J-3
	LDW23-SS1166	1254	51.8	J-3
	LDW23-SS1174	1254	52.5	J-3
	LDW23-SS1232	1254	44.2	J-3
23A0087	LDW23-SS1211	1248	50.8	J-3
	LDW23-SS1235	1248	90.6	NJ-3
23A0099	LDW23-SC1188	1254	42	J-3
		1248	53.3	J-3
	LDW23-SC1179	1248	42.9	J-3
23A0133	LDW23-SC1244-FD	1254	41.2	J-3
	LDW23-SC1215	1254	79.7	NJ-3
23A0134	LDW23-SS1124	1248	50	J-3
23A0157	LDW23-SC1248	1254	44	J-3
23A0179	LDW23-SS1171	1254	94.2	NJ-3
23A0249	LDW23-IT1034	1248	69.3	NJ-3
23A0455	LDW23-SS1033	1254	45.5	J-3
	LDW23-SS1051	1260	44.6	J-3
23C0752	LDW23-SS1809	1254	132.9	NJ-3
	BLD0010 MS/MSD	1016	--	None, QC sample
23D0393	LDW23-SS1231	1248	101.3	NJ-3
	LDW23-SS1097	1248	40.6	J-3
	LDW23-SS1079	1248	84.9	NJ-3
	LDW23-IT1049	1254	103.6	NJ-3
	LDW23-SS1043	1260	68	NJ-3

SDG	SAMPLE	AROCLOR	RPD	QUALIFIER
23D0394	LDW23-IT1071	1248	40.7	J-3
	LDW23-SS1078	1248	85.5	NJ-3
	LDW23-IT1067	1254	41.6	J-3
	LDW23-SS1807	1260	133.3	NJ-3
	LDW23-IT1807	1260	87.2	NJ-3
	LDW23-SS1034	1248	99.6	NJ-3
	LDW23-IT1806	1248	64.5	NJ-3
23E0219	LDW23-SS1035	1254	66.3	NJ-3
	LDW23-SS1134	1248	75.6	NJ-3
	LDW23-SS1146	1248	94.4	NJ-3
	LDW23-IT1146	1248	68.2	NJ-3
23F0143	LDW23-SS1275	1248	76.9	NJ-3

The laboratory defines a P1-flag as an indication that the RPD between results from two analytical columns is greater than 40%. For several samples, results were incorrectly P1-flagged on the sample summary forms in the PDF and in the EDD.

SDG	SAMPLE	AROCLOR	RPD	QUALIFIER
23A0031	LDW23-SS1156-FD	1254	35.8	None – Incorrectly P1-flagged
	LDW23-SS1143	1248	36.8	None – Incorrectly P1-flagged
	LDW23-SS1143-FD	1248	37.7	None – Incorrectly P1-flagged
	LDW23-SS1138	1248	39.9	None – Incorrectly P1-flagged
	LDW23-SS1144	1254	36.6	None – Incorrectly P1-flagged
23A0134	LDW23-SS1160	1260	5.4	None – Incorrectly P1-flagged
23A0313	LDW23-IT1148	1248	32.0	None – Incorrectly P1-flagged
		1254	39.4	None – Incorrectly P1-flagged
23A0455	LDW23-SS1025	1254	37.8	None – Incorrectly P1-flagged
	LDW23-SS1016	1254	39.5	None – Incorrectly P1-flagged
23D0008	LDW23-SC1816	1254	37.9	None – Incorrectly P1-flagged
	LDW23-SC1817	1254	38.6	None – Incorrectly P1-flagged
23D0393	LDW23-SS1147	1248	24.6	None – Incorrectly P1-flagged
	LDW23-IT1147	1248	15.5	None – Incorrectly P1-flagged

Calculation Verification

SDGs 23A0031, 23A0032, 23A0087: Calculation verifications were performed for these SDGs. No calculation or transcription errors were found.

OVERALL ASSESSMENT

As was determined by this evaluation, the laboratory followed the specified analytical method. With the noted exceptions, accuracy was acceptable as demonstrated by the surrogate, LCS/LCSD, MS/MSD and SRM %R values. With the exceptions noted above, precision was acceptable as demonstrated by the MS/MSD, LCS/LCSD and field duplicate relative percent difference values.

Data were qualified based on CCAL %D outliers as well as LCS/LCSD, MS/MSD, surrogate, and internal standard accuracy outliers, as well as MS/MSD and dual column precision outliers.

Data were qualified as do-not-report (DNR) to indicate which results from multiple analyses should be used. Data qualified do-not-report should not be used for any reason.

All other data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW AOC5 MR Phase 1
Total Metals by SW6020B
Total Mercury by SW7471B

This report documents the review of analytical data from the analyses of sediment samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Analytical Resources, LLC (ARL), Tukwila, Washington. Refer to the **Sample Index** for a complete list of samples.

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
22L0383	8 Sediment	EPA Stage 2B
22L0417	9 Sediment	EPA Stage 2B
22L0459	7 Sediment	EPA Stage 2B
23A0031	21 Sediment	EPA Stage 3
23A0032	9 Sediment	EPA Stage 2B
		EPA Stage 3 (Arsenic only)
23A0087	15 Sediment	EPA Stage 3
23A0088	13 Sediment	EPA Stage 2B
23A0099	13 Sediment	EPA Stage 2B
		EPA Stage 3 (Arsenic only)
23A0100	23 Sediment	EPA Stage 2B
23A0133	12 Sediment	EPA Stage 2B
23A0134	14 Sediment	EPA Stage 2B
23A0157	10 Sediment	EPA Stage 2B
23A0158	13 Sediment	EPA Stage 2B
23A0171	4 Sediment	EPA Stage 2B
23A0179	12 Sediment	EPA Stage 2B
23A0180	4 Sediment	EPA Stage 2B
23A0206	14 Sediment	EPA Stage 2B
23A0207	13 Sediment	EPA Stage 2B
23A0249	6 Sediment	EPA Stage 2B
23A0295	9 Sediment	EPA Stage 2B
23A0313	5 Sediment	EPA Stage 2B
23A0326	7 Sediment	EPA Stage 2B
23A0328	11 Sediment	EPA Stage 2B
23A0417	15 Sediment	EPA Stage 2B
23A0418	11 Sediment	EPA Stage 2B
23A0419	12 Sediment	EPA Stage 2B
23A0420	4 Sediment	EPA Stage 2B
23A0455	18 Sediment	EPA Stage 2B
23A0467	9 Sediment	EPA Stage 2B
23B0229	6 Sediment	EPA Stage 2B
23B0276	1 Sediment	EPA Stage 2B

SDG	NUMBER OF SAMPLES AND MATRIX	VALIDATION LEVEL
23C0071	6 Sediment	EPA Stage 2B
23C0108	5 Sediment	EPA Stage 2B
23C0109	2 Sediment	EPA Stage 2B
23C0752	5 Sediment	EPA Stage 2B
23C0774	14 Sediment	EPA Stage 2B
23D0008	2 Sediment	EPA Stage 2B
23D0037	4 Sediment	EPA Stage 2B
23D0063	2 Sediment	EPA Stage 2B
23D0136	2 Sediment	EPA Stage 2B
23D0393	25 Sediment	EPA Stage 2B
23D0394	13 Sediment	EPA Stage 2B
23D0396	2 Sediment	EPA Stage 2B
23E0009	5 Sediment	EPA Stage 2B
23E0219	12 Sediment	EPA Stage 2B
23F0143	24 Sediment	EPA Stage 2B

DATA PACKAGE COMPLETENESS

The laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

EDD TO HARDCOPY VERIFICATION

All sample IDs and results reported in the electronic data deliverable (EDD) were verified (100% verification) by comparing the EDD to the hardcopy laboratory data package. Ten percent (10%) of the laboratory QC results were also verified.

TECHNICAL DATA VALIDATION

The QC requirements that were reviewed are listed below.

1	Sample Receipt, Preservation, and Holding Times	2	Laboratory Duplicates
✓	ICP-MS Tune	1	Reference Materials
✓	Initial Calibration	✓	ICP-MS Internal standards
✓	Calibration Verification	✓	Interference Check Samples
✓	CRDL Standards	1	Field Duplicates
2	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	✓	Reported Results
✓	Laboratory Control Samples (LCS)	1	Calculation Verification
2	Matrix Spike/Matrix Spike Duplicates (MS/MSD)		

✓ Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.

1 Quality control outliers are discussed below, but no data were qualified.

2 Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.

Sample Receipt, Preservation, and Holding Times

SDG 23A0088: For Samples LDW23-SC1265, LDW23-SC1247, LDW23-SC1270, LDW23-SC1276, the identification portion "SC" was missing from the chains-of-custody (COC). The client confirmed "SC" should be included and the segment was added during login.

SDGs 23A0417, 23A0418: One sample cooler arrived with a temperature greater than the upper control limit, at 6.9°C. Data were judged to be unaffected by the temperature outlier; no data were qualified.

SDG 23D0136: Sample LDW23-SS1803 was not listed on the original COC. The laboratory contacted the client and revised the COC.

SDG 23E0009: For Sample LDW23-SS1820, the identification portion "SS" was listed as "SC" on the COC. The client confirmed "SS" should be used during login.

Laboratory Blanks

To assess the impact of laboratory blanks on the reported sample results, an action level is established at five times (5x) the concentration reported in the blank. If a contaminant is reported in an associated field sample and the concentration is less than the action level, the result is qualified as not detected (U-7). No action is taken if the sample result is greater than the action level, or for non-detected results.

When instrument blanks responses are less than the negative method detection limit (MDL), action levels are established at 5x the absolute value of the blank concentration. Associated detected results less than the action levels and non-detects are estimated (J/UJ-7L) to indicate a potential low bias.

SDGs 23A0031, 23A0032: For the 2/27/23 mercury analyses, several instrument blanks had negative responses that were less than the negative MDL. All associated results were greater than the action level; no qualification of data was necessary.

SDGs 23A0088, 23B0229: For the 3/8/23 mercury analyses, several instrument blanks were less than the negative MDL. After evaluation against the 5X action levels, no data was qualified.

Arsenic was detected in method blank BLC0079. All associated results were greater than the action level; no action was taken.

SDG 23A0100: For the 3/23/23 mercury analyses, several instrument blanks were less than the negative MDL. Sample results less than the 5x action level were estimated (J-7L).

For the method 6020 analyses on 3/22/23, an instrument blank had a cadmium response greater than the MDL. Results in the associated samples that were less than the 5x action level were qualified as not detected (U-7).

SDG 23A0133: For the 3/30/23 mercury analyses, several instrument blanks were less than the negative MDL. Sample results less than the 5x action level were qualified as not detected (J-7L).

For the method 6020 analyses on 3/22/23, an instrument blank had a cadmium response greater than the MDL. Sample results less than the 5x action level were qualified as not detected (U-7).

SDGs 23A0099, 23A0134: For the 3/30/23 mercury analyses, several instrument blanks were less than the negative MDL. Sample results less than the 5x action level were qualified as estimated (J-7L).

SDG 23A0157: For the cadmium analyses on 4/6/23, the instrument blank analyzed at 19:57 was greater than the detection limit. The cadmium result for Sample LDW23-SC1206 was less than the action level and was qualified as not detected (U-7).

SDGs 23A0158, 23A0179, 23A0180, 23A0206: For the 4/7/23 arsenic analyses, several instrument blanks were less than the negative MDL. All associated results were greater than the action levels; no qualification of data was necessary.

SDGs 23A0171, 23B0276: For the 2/27/23 mercury analyses, several instrument blanks were less than the negative MDL. After evaluation against the 5X action levels, no data was qualified.

SDG 23A0326: Copper was detected in the method blank. All associated results were greater than the action level; no qualification of data was necessary.

SDGs 23A0417, 23A0420: Copper was detected in the method blank. All associated results were greater than the action level; no qualification of data was necessary.

SDGs 23A0419, 23C0071, 23C0109: Copper was detected in method blank BLD0452-BLK1. All associated results were greater than the action level; no qualification of data was necessary.

SDGs 23A0455, 23D0008: Copper was detected method blank BLD0504-BLK1. All associated results were greater than the action level; no data were qualified.

For the 4/25/23 mercury analyses, several instrument blanks were less than the negative MDL. Sample results less than the 5x action levels were qualified as estimated (J/UJ-7L).

SDGs 23A0328, 23A0467, 23C0108, 23D0037, 23D0063: For the 4/25/23 mercury analyses, several instrument blanks were less than the negative MDL. All associated results were greater than the action level; no qualification of data was necessary.

SDG 23D0393: Mercury was detected in method blank BLE0071-BLK1. All associated results less than the 5x action level were qualified as not detected (U-7).

SDG 23F0143: For the metals analyses on 6/28/23, cadmium-111 was detected in the instrument blank analyzed at 21:21. All bracketed sample results less than the 5x action level were qualified as not detected (U-7).

For the 7/12/23 mercury analyses, all instrument blanks were less than the negative MDL. Sample results less than the 5x action levels were qualified as estimated (J-7L).

Field Blanks

Field blanks were not submitted.

Matrix Spike/Matrix Spike Duplicates

Matrix spike/matrix spike duplicate samples (MS/MSD) were analyzed at the proper frequency. With the exceptions noted below, recoveries were within the control limits of 75%-125%. If the percent recovery values indicate a potential low bias, associated results are estimated (J/UJ-8L). If the %R values indicate a potential high bias, only the associated positive results are estimated (J-8H). Qualifiers are assigned to all samples in the QC batch including the laboratory duplicate. No action is taken if only one of the MS/MSD recoveries is outside of the control limits.

Precision is evaluated using the relative percent difference (RPD) between the MS and MSD values. RPD values outside the control limits indicate uncertainty in the measured results. Associated positive results are estimated (J-9) if the RPD is greater than the control limit of 20%.

SDGs 22L0383, 22L0417: Sample LDW23-SC1177C was used for the MS/MSD analyses. The MSD recovery value for silver was less than the lower control limit. The MS recovery was acceptable; no action was taken based on the single outlier. The MS recovery value for mercury was less than the lower control limit. The MSD recovery was acceptable; no action was taken based on the single outlier. The MS/MSD RPD values for silver and mercury were greater than the control limit; associated positive field sample and laboratory duplicate results were estimated (J-9).

SDG 23A0031: Sample LDW23-SS1001 was used for the MS/MSD analyses for Batch BLB0508. The MS/MSD recovery values for silver were less than the lower control limit; associated field sample and laboratory duplicate results were estimated (J-8L). The RPD value for silver was also greater than the control limit; associated positive field sample and laboratory duplicate results were estimated (J-9).

SDGs 23A0032, 23A0171, 23B0276: Sample LDW23-IT1246 was used for the method 6020 MS/MSD analysis. The following outliers were noted. No qualifiers were added for single %R outliers.

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
Pb	136	OK	20.2	J-9
Zn	130	OK	OK	None, single outlier
Cu	OK	64.3	OK	None, single outlier

SDG 23A0087: Sample LDW23-SS1264 was used for the MS/MSD analyses. The recovery values for silver were less than the lower control limit; associated field sample and laboratory duplicate results were estimated (J-8L).

SDGs 23A0088, 23B0229: Sample LDW23-SC1220 was used for the mercury MS/MSD and Sample LDW23-IT1197 was used for the 6020 MS/MSD analyses. The following outliers were noted. No qualifiers were added for single %R outliers.

CLIENT ID	ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
LDW23-SC1220	Hg	71.2	OK	37.7	J-9
LDW23-IT1197	Ag	36.1	30.9	OK	J-8L
	Pb	OK	202	32.7	J-9

SDG 23A0099: Sample LDW23-SC1188 was used for the MS/MSD analyses. The following outliers were noted. No qualifiers were added for single %R outliers.

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
Hg	OK	21.8	99.1	J-9
Ag	67.2	68.7	OK	J-8L

SDG 23A0100: Sample LDW23-SS1270-FD was used for the MS/MSD analyses. The MS/MSD recovery values for silver were less than the lower control limit; associated field sample and laboratory duplicate results were estimated (J-8L).

SDGs 23A0133, 23A0134: Sample LDW23-SS1250 was used for the MS/MSD analyses. The MS/MSD recovery values for silver were less than the lower control limit; associated field sample and laboratory duplicate results were estimated (J-8L).

SDG 23A0134: Sample LDW23-SS1188 in SDG 23A0099 was used for the mercury MS/MSD analyses for Batch BLC0694. The RPD value was greater than the control limit; associated detected field sample and laboratory duplicate results for mercury were estimated (J-9).

SDGs 23A0157, 23A0158: Sample LDW23-SC1277 was used for the MS/MSD analysis. The following outliers were noted. No qualifiers were added for single %R outliers.

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
Pb	131	OK	OK	None, single outlier
Ag	62.9	OK	OK	None, single outlier
Hg	35	OK	67	J-9

SDGs 23A0158, 23A0179, 23A0180: Sample LDW23-SS1277 was used for the MS/MSD analyses. The MS/MSD recovery values for silver were less than the lower control limit; associated field sample and laboratory duplicate results were estimated (J-8L).

SDGs 23A0249, 23A0295: Sample LDW23-SC1083 was used for the MS/MSD analyses. The MS/MSD recovery values for silver were less than the lower control limit; associated field sample and laboratory duplicate results were estimated (J/UJ-8L).

The MS recovery for mercury was greater than the upper control limit. The MSD was acceptable; no action was taken based on the single outlier.

SDGs 23A0313, 23A0328: Sample LDW23-SS1209 was used for the MS/MSD analyses. The MS recovery values for mercury and copper were greater than the upper control limit but were in control in the associated MSD sample; no data were qualified for the single %R outliers.

SDG 23A0326: Sample LDW23-SC1028 was used for the MS/MSD analyses. The MSD recovery value for mercury was greater than the upper control limit. The MS was acceptable; no action was taken based on the single outlier. The RPD value for mercury was greater than the control limit; the associated field sample results were estimated (J-9).

SDGs 23A0417, 23A0420: Sample LDW23-SS1127 was used for the MS/MSD analyses. The MS/MSD recovery values for mercury were less than the lower control limit; the associated field sample and laboratory duplicate results were estimated (J-8L).

SDGs 23A0419, 23C0071, 23C0109: Sample LDW23-SS1218 was used for the MS/MSD analysis. The following outliers were noted. No qualifiers were added for single %R outliers.

ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
Pb	126	139	OK	J-8H
As	OK	139	OK	None, single outlier
Cu	215	OK	28.6	J-9
Zn	OK	162	OK	None, single outlier
Hg	74.2	OK	OK	None, single outlier

SDGs 23A0455, 23D0008: Sample LDW23-SS1029 was used for the MS/MSD analyses. The RPD value for silver was greater than the control limit; the associated field sample results were estimated (J-9).

SDGs 23A0467, 23C0108, 23D0037, 23D0063: Sample LDW23-SS1010 was used for the MS/MSD analyses. The MS recovery value for silver was less than the lower control limit. The MSD recovery was acceptable; no data were qualified based on the single %R outlier.

SDGs 23C0752, 23C0774: Sample LDW23-SC1053A was used for the MS/MSD analyses. The MSD recovery value for silver was less than the lower control limit. The MS was acceptable; no data were qualified based on the single %R outlier. The RPD value for silver was greater than the control limit; the associated field sample results were estimated (J-9).

SDG 23D0063, 23D0136, 23D0394, 23D0396: Sample LDW23-SS1098 was used for the MS/MSD analyses. The MSD recovery value for silver was less than the lower control limit. The MS recovery was acceptable; no data were qualified based on the single %R outlier.

SDG 23D0393: Sample LDW23-SS1233 was used for the MS/MSD analyses. The MS/MSD recovery values for silver were less than the lower control limit; the associated field sample and laboratory duplicate results were estimated (J-8L).

SDG 23E0219: Sample LDW23-SS1035 was used for the MS/MSD analyses. The MS/MSD recovery values for silver were less than the lower control limit; the associated field sample and laboratory duplicate results were estimated (J-8L). The RPD value for silver was greater than the control limit; the associated field sample and laboratory duplicate results were estimated (J-9).

SDG 23F0143: The following outliers were noted. No qualifiers were added for single %R outliers.

CLIENT ID	ANALYTE	MS %R	MSD %R	RPD	QUALIFIER
LDW23-SC1156A	Ag	54.2	59.5	--	J-8L
	Hg	--	128	--	None, single outlier
LDW23-SS1056	Ag	47.8	57.6	--	J-8L
	Cu	150	--	--	None, single outlier
	Pb	73.4	--	--	None, single outlier

Laboratory Duplicates

SDG 23A0087: Sample LDW23-SS1264 was used for the laboratory duplicate analysis. The RPD value for zinc was greater than the control limit of 20%. All associated zinc results were estimated (J-9).

SDGs 23A0158, 23A0179, 23A0180: Sample LDW23-SS1277 was used for the laboratory duplicate analysis. The RPD value for lead was greater than the control limit of 20%. All associated lead results were estimated (J-9).

SDG 23A0206: Sample LDW23-SS1021 was used for the laboratory duplicate analysis. The RPD value for mercury was greater than the control limit of 20%. All associated mercury results were estimated (J-9).

SDGs 23A0249, 23A0295: Sample LDW23-SC1083 was used for the laboratory duplicate analysis. The RPD value for mercury was greater than the control limit of 20%. All associated mercury results were estimated (J-9).

SDGs 23A0417, 23A0420: Sample LDW23-SS1127 was used for the laboratory duplicate analysis. The RPD values for mercury, lead, and copper were greater than the control limit of 20%. All associated results were estimated (J-9).

SDGs 23A0419, 23C0071, 23C0109: Sample LDW23-SS1218 was used for the laboratory duplicate analysis. The RPD values for chromium and copper were greater than the control limit of 20%. All associated results were estimated (J-9).

SDGs 23A0455, 23D0008: Sample LDW23-SS1029 was used for the laboratory duplicate analysis. The RPD value for chromium was greater than the control limit of 20%. All associated results were estimated (J-9).

SDG 23D0393: Sample LDW23-SS1233 was used for the laboratory duplicate analysis. The difference value for mercury was greater than the control limit. All associated results were estimated (J/UJ-9).

Reference Materials

The reference material D112-540 (Metals in Soil) was analyzed for mercury with several batches. The recoveries were within the control limits.

Field Duplicates

For sediment samples, the QAPP RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the difference between the sample and duplicate must be less than 2x the RL. No data were qualified based on field duplicate precision outliers. Users of the data should consider the impact of field precision on the reported results.

SDG 22L0383: Two sets of field duplicates were submitted: LDW23-SC1150C & LDW23-SC1150C-FD and LDW23-SC1191B & LDW23-SC1191B-FD. All field precision criteria were met.

SDG 23A0031: Five sets of field duplicates were submitted. With the exception noted below, field precision criteria were met.

- LDW23-SS1199 and LDW23-SS1199-FD
- LDW23-SS1191 and LDW23-SS1191-FD
- LDW23-SS1177 and LDW23-SS1177-FD
- LDW23-SS1156 and LDW23-SS1156-FD
- LDW23-SS1143 and LDW23-SS1143-FD

For LDW23-SS1177 and LDW23-SS1177-FD, the RPD value for copper was greater than the control limit.

SDG 23A0087: Two sets of field duplicates were submitted: LDW23-SS1212 & LDW23-SS1212-FD and LDW23-SS1267 & LDW23-SS1267-FD. All field precision criteria were met.

SDG 23A0088: Samples LDW23-SC1225 and LDW23-SC1225-FD were submitted as field duplicates. All acceptance criteria were met.

SDG 23A0099: Two sets of field duplicates were submitted: LDW23-SC1186 & LDW23-SC1186-FD and LDW23-IT1160 & LDW23-IT1160-FD. All field precision criteria were met.

SDG 23A0100: Five sets of field duplicates were submitted. With the exception noted below, field precision criteria were met.

- LDW23-SS1276 and LDW23-SS1276-FD
- LDW23-SS1270 and LDW23-SS1270-FD
- LDW23-SS1265 and LDW23-SS1265-FD
- LDW23-SS1247 and LDW23-SS1247-FD
- LDW23-SS1225 and LDW23-SS1225-FD

For samples LDW23-SS1276 and LDW23-SS1276-FD, the difference value for mercury was greater than the control limit.

SDG 23A0180: Samples LDW23-SC1164 and LDW23-SC1164-FD were submitted as field duplicates. All acceptance criteria were met.

SDG 23A0207: Samples LDW23-IT1080 and LDW23-IT1080-FD were submitted as field duplicates. All acceptance criteria were met.

SDG 23A0418: Samples LDW23-IT1133 and LDW23-IT1133-FD were submitted as field duplicates. All acceptance criteria were met.

Calculation Verification

Metals and Mercury:

SDGs 23A0031, 23A0087: Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

Arsenic Only:

SDGs 23A0032, 23A0099: Several results were verified by recalculation from the raw data. No calculation or transcription errors were noted.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory followed the specified analytical methods. With the exceptions noted above, accuracy was acceptable as demonstrated by the LCS, SRM, and MS/MSD %R values and precision was acceptable as demonstrated by the laboratory duplicate, MS/MSD, and field duplicate RPD values.

Data were qualified as not detected due to method and instrument blank contamination. Results were estimated based on low instrument blank values, MS/MSD accuracy and precision outliers, and laboratory duplicate precision outliers.

All data, as qualified, are acceptable for use.

DATA VALIDATION REPORT
LDW: AOC5 MR Phase 1
TOC by 9060A and Total Solids by SM 2540 G-97

This report documents the review of analytical data from the analysis of sediment samples and the associated laboratory and field quality control (QC) samples. Samples were analyzed by Analytical Resources, LLC. (ARL), Tukwila, Washington. Refer to the **Sample Index** for a list of samples reviewed.

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
22L0198	10	EPA Stage 2B
22L0383	8	EPA Stage 2B
22L0417	9	EPA Stage 2B
22L0459	7	EPA Stage 2B
23S0031	21	EPA Stage 3
23A0032	11	EPA Stage 3
23A0088	15	EPA Stage 2B
23A0087	15	EPA Stage 3
23A0099	13	EPA Stage 2B
23A0100	23	EPA Stage 2B
23A0133	16	EPA Stage 2B
23A0134	16	EPA Stage 2B
23A0157	13	EPA Stage 2B
23A0158	16	EPA Stage 2B
23A0179	12	EPA Stage 2B
23A0180	15	EPA Stage 2B
23A0206	14	EPA Stage 2B
23A0207	17	EPA Stage 2B
23A0249	10	EPA Stage 2B
23A0295	10	EPA Stage 2B
23A0313	13	EPA Stage 2B
23A0326	12	EPA Stage 2B
23A0328	12	EPA Stage 2B
23A0417	15	EPA Stage 2B
23A0418	12	EPA Stage 2B
23A0419	12	EPA Stage 2B
23A0420	9	EPA Stage 2B
23A0455	18	EPA Stage 2B
23A0467	9	EPA Stage 2B
23B0228	1	EPA Stage 2B
23B0229	8	EPA Stage 2B
23B0276	1	EPA Stage 2B
23C0071	9	EPA Stage 2B

SDG	NUMBER OF SAMPLES	VALIDATION LEVEL
23C0108	10	EPA Stage 2B
23C0109	3	EPA Stage 2B
23C0752	7	EPA Stage 2B
23C0774	15	EPA Stage 2B
23D0008	4	EPA Stage 2B
23D0037	4	EPA Stage 2B
23D0063	4	EPA Stage 2B
23D0136	4	EPA Stage 2B
23D0393	29	EPA Stage 2B
23D0394	13	EPA Stage 2B
23D0396	4	EPA Stage 2B
23E0009	8	EPA Stage 2B
23E0219	13	EPA Stage 2B
23F0143	30	EPA Stage 2B

DATA PACKAGE COMPLETENESS

With the noted exceptions, the laboratory submitted all required deliverables. The laboratory followed adequate corrective action processes and all anomalies were discussed in the case narrative.

SDG 23B0228, 23B0276: The raw data for the initial calibration was missing from the data package. In addition, the summary forms did not reference the initial calibration identification. The laboratory submitted a revised PDF.

SDG 23B0229: The summary forms did not reference the initial calibration identification. The laboratory submitted a revised PDF.

EDD TO HARDCOPY VERIFICATION

All sample IDs reported in the electronic data deliverable (EDD) were verified (100%) by comparing the EDD to the hardcopy laboratory data package. Sample results and laboratory quality control sample results were also verified (10%).

TECHNICAL DATA VALIDATION

The QC requirements for review are listed below.

2	Sample Receipt, Preservation, and Holding Times	2	Matrix Spike (MS)
✓	Initial Calibration	2	Laboratory Duplicates/Triplicates
✓	Continuing Calibration	1	Field Duplicates
✓	Laboratory Blanks	✓	Reporting Limits
1	Field Blanks	✓	Reported Results
1	Reference Materials	1	Calculation Verification
✓	Laboratory Control Samples		

✓ *Stated method quality objectives (MQO) and QC criteria have been met. No outliers are noted or discussed.*

¹ *Quality control results are discussed below, but no data were qualified.*

² *Quality control outliers that impact the reported data were noted. Data qualifiers were issued as discussed below.*

Sample Receipt, Preservation, Holding Times

As stated in validation guidance documents, sample shipping coolers should arrive at the laboratory within the advisory temperature range of $\leq 6^{\circ}\text{C}$.

SDG 23A0088: For Samples LDW23-SC1265, LDW23-SC1247, LDW23-SC1270, LDW23-SC1276, the identification portion "SC" was missing from the chains-of-custody (COC). The client confirmed "SC" should be included and the segment was added during login.

SDG 23A0218: The laboratory received a sample cooler at a temperature greater than the upper control limit at 6.9°C to 9.9°C . Samples were in the coolers for less than ninety minutes, an insufficient amount of time to cool to $\leq 6^{\circ}\text{C}$. Samples were immediately stored frozen at $< -18^{\circ}\text{C}$. These outliers did not impact data quality and no results were qualified.

SDG 23A0418: Samples were received by the laboratory on ice at 6.9°C . Samples were received at the laboratory the same day as collection; samples did not have time to chill to $< 6^{\circ}\text{C}$. Samples were immediately stored frozen at $< -18^{\circ}\text{C}$. These outliers did not impact data quality and no results were qualified.

SDG 23F0143: Samples were pulled from frozen archive. Several samples and the associated laboratory duplicate were analyzed past the 180-day holding time; TOC results were estimated (J-1).

Field Blanks

Field blanks were not submitted.

Reference Material

A standard reference material, NIST 1941B, was analyzed with each batch of total organic carbon analyses. Acceptance criteria were met.

Matrix Spike

Matrix spike samples (MS) were analyzed at the proper frequency of one per 20 samples or one per batch for TOC sediment samples. MS %R values are not evaluated when the parent concentration is greater than 4x the spike concentration. Qualifiers were applied to all samples in an analytical batch.

When the MS %R values indicate a potential low bias, associated results are estimated (J/UJ-8L). Only the associated positive results are estimated (J-8H) if the %R values indicate a potential high bias.

SDGs 23A0417, 23A0418: For Batch BLA0526, Sample LDW23-SS1127 from SDG 23A0417 was analyzed as the MS sample. The TOC %R value was greater than the upper control limit; positive results in the associated samples and laboratory duplicate were estimated (J-8H).

SDGs 23A0455, 23A0467: For Batch BLA0567, Sample LDW23-SS1012 from SDG 23A0455 was analyzed as the MS sample. The TOC %R value was greater than the upper control limit; positive results in the associated samples and lab duplicate were estimated (J-8H).

SDGs 23C0071, 23C0108: For Batch BLD0117, Sample LDW23-SS1000 from SDG 23C0071 from SDG 23C0108 was analyzed as the MS sample. The TOC %R value was greater than the upper control limit; positive results in the associated samples and lab duplicate were estimated (J-8H).

SDGs 23C0108, 23C0109, 23D0008, 23D0037: For Batch BLD0118, Sample LDW23-SS1107 from SDG 23C0108 was analyzed as the MS sample. The TOC %R value was greater than the upper control limit; positive results in the associated samples and lab duplicate were estimated (J-8H).

SDGs 23C0752, 23D0063, 23D0396: For Batch BLE0415, Sample LDW23-SS1026 from SDG 23C0752 was analyzed as the MS sample. The TOC %R value was greater than the upper control limit; positive results in the associated samples and lab duplicate were estimated (J-8H).

SDG 23C0774: For Batch BLE0414, Sample LDW23-SC1053A was analyzed as the MS sample. The TOC %R value was greater than the upper control limit; positive results in the associated samples and lab duplicate were estimated (J-8H).

Laboratory Duplicates/Triplicates

Total Solids: One sample from each laboratory batch was prepared and analyzed in triplicate. Relative standard deviation (RSD) values were calculated for detected analytes where results are greater than five times the reporting limit (RL). Laboratory precision was acceptable.

SDG 23D0393: For Samples LDW23-IT1086 and LDW23-IT1087, the total solids results were reported from the total solids determination performed with the metals analyses in batch BLD0457. Lab QC was not reported for this batch. The results were comparable to the results from the total solids determination performed with the organics analyses, indicating acceptable laboratory precision; no qualifiers were assigned. In order to correctly report the results for these two samples, a batch was created (BLG0558) by the laboratory and the results from the metals batch BLD0457 were added.

TOC: One sample from each laboratory batch was analyzed in duplicate or triplicate to evaluate laboratory precision. Relative percent difference (RPD) or RSD values for detected analytes must be less than 20% for results greater than five times the RL. For results less than 5x the RL, the absolute difference between the sample and duplicate must be less than 2x the RL.

Outliers indicate uncertainty in the measured results for the samples. Associated results were estimated (J/UJ-9) in all samples and laboratory replicates in a batch if the RPD or difference values indicate uncertainty. The laboratory duplicate result was also estimated. With the noted exceptions, laboratory precision was acceptable.

SDGs 23A0207, 23A0249, 23A0295: For Batch BLA0360, Sample LDW23-IT1078 from SDG 23A0207 was analyzed in duplicate. The RPD value for TOC was greater than the control limit. Results for this analyte were estimated (J-9) for all samples and the laboratory replicate samples in the batch.

SDGs 23A0417, 23A0418: For Batch BLA0526, Sample LDW23-SS1127 from SDG 23A0417 was analyzed in duplicate. The RPD value for TOC was greater than the control limit. Results for this analyte were estimated (J-9) for all samples and the laboratory replicate samples in the batch.

SDG 23D0393: For batch BLG0384, Sample LDW23-IT1086 was analyzed in duplicate. The RPD value for TOC was greater than the control limit. Results for this analyte were estimated (J-9) for all field samples and the lab duplicate sample in this batch.

Field Duplicates

For sediment samples, the RPD control limit is 50% for results greater than 5x the reporting limit (RL). For results less than 5x the RL, the absolute difference between the sample and replicate must be less than 2x the RL. No data were qualified based on field duplicate precision outliers. Users of the data should consider the impact of field precision outliers on the reported results.

SDG 22L0383: Two sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SC1150C & LDW23-SC1150C-FD
- LDW23-SC1191B & LDW23-SC1191B-FD

SDG 23A0031: Five sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SS1199 & LDW23-SS1199-FD
- LDW23-SS1191 & LDW23-SS1191-FD
- LDW23-SS1177 & LDW23-SS1177-FD
- LDW23-SS1156 & LDW23-SS1156-FD
- LDW23-SS1143 & LDW23-SS1143-FD

SDG 23A0032: Samples LDW23-SC1203 & LDW23-SC1203-FD were submitted as field duplicates. Field precision was acceptable.

SDG 23A0087: Two sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SS1212 & LDW23-SS1212 -FD
- LDW23-SS1267 & LDW23- SS1267-FD

SDG 23A0088: Samples LDW23-SC1225 and LDW23-SC1225 -FD were submitted as field duplicates. Field precision was acceptable.

SDG 23A0099: Two sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SC1186 & LDW23-SC1186-FD
- LDW23-IT1160 & LDW23- IT1160-FD

SDG 23A0100: Five sets of field duplicates were submitted. Field precision was acceptable.

- LDW23-SS1276 & LDW23-SS1276-FD
- LDW23-SS1270 & LDW23-SS1270-FD
- LDW23-SS1265 & LDW23-SS1265-FD
- LDW23-SS1247 & LDW23-SS1247-FD
- LDW23-SS1225 & LDW23-SS1225-FD

SDG 23A0133: Samples LDW23-SC1244 & LDW23-SC1244-FD were submitted as field duplicates. Field precision was acceptable.

SDG 23A0157: Samples LDW23-SC1248 & LDW23-SC1248-FD were submitted as field duplicates. Field precision was acceptable.

SDG 23A0180: Samples LDW23-SC1164 & LDW23-SC1164-FD were submitted as field duplicates. Field precision was acceptable.

SDG 23A0207: Samples LDW23-IT1080 & LDW23-IT1080-FD were submitted as field duplicates. Field precision was acceptable.

SDG 23A0418: Samples LDW23-IT1133 & LDW23-IT1133-FD were submitted as field duplicates. Field precision was acceptable.

Calculation Verification

SDGs, 23A0031, 23A0032, 23A0087: Several results were verified by recalculation from the raw data. No calculation or transcription errors were found.

OVERALL ASSESSMENT

As determined by this evaluation, the laboratory followed the specified analytical methods. With the exceptions noted above, accuracy was acceptable as demonstrated by the LCS, SRM, and MS recoveries and precision was acceptable as demonstrated by the laboratory and field duplicate RPD values as well as the laboratory triplicate RSD values.

Results were estimated based on holding time outliers, MS recovery outliers, and laboratory replicate precision outliers.

All data, as qualified, are acceptable for use.



APPENDIX A

DATA QUALIFIER DEFINITIONS REASON CODES AND CRITERIA TABLES

DATA VALIDATION QUALIFIER CODES

Based on National Functional Guidelines

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents the approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

The following is an EcoChem qualifier that may also be assigned during the data review process:

DNR	Do not report; a more appropriate result is reported from another analysis or dilution.
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DATA QUALIFIER REASON CODES

Group	Code	Reason for Qualification
Sample Handling	1	Improper Sample Handling or Sample Preservation (i.e., headspace, cooler temperature, pH, summa canister pressure); Exceeded Holding Times
Instrument Performance	24	Instrument Performance (i.e., tune, resolution, retention time window, endrin breakdown, lock-mass)
	5A	Initial Calibration (RF, %RSD, r^2)
	5B	Calibration Verification (CCV, CCAL; RF, %D, %R) Use bias flags (H,L) ¹ where appropriate
	5C	Initial Calibration Verification (ICV %D, %R) Use bias flags (H,L) ¹ where appropriate
Blank Contamination	6	Field Blank Contamination (Equipment Rinsate, Trip Blank, etc.)
	7	Lab Blank Contamination (i.e., method blank, instrument blank, etc.) Use low bias flag (L) ¹ for negative instrument blanks
Precision and Accuracy	8	Matrix Spike (MS and/or MSD) Recoveries Use bias flags (H,L) ¹ where appropriate
	9	Precision (all replicates: LCS/LCSD, MS/MSD, Lab Replicate, Field Replicate)
	10	Laboratory Control Sample Recoveries (a.k.a. Blank Spikes) Use bias flags (H,L) ¹ where appropriate
	12	Reference Material Use bias flags (H,L) ¹ where appropriate
	13	Surrogate Spike Recoveries (a.k.a. labeled compounds, recovery standards) Use bias flags (H,L) ¹ where appropriate
Interferences	16	ICP/ICP-MS Serial Dilution Percent Difference
	17	ICP/ICP-MS Interference Check Standard Recovery Use bias flags (H,L) ¹ where appropriate
	19	Internal Standard Performance (i.e., area, retention time, recovery)
	22	Elevated Detection Limit due to Interference (i.e., chemical and/or matrix)
	23	Bias from Matrix Interference (i.e. diphenyl ether, PCB/pesticides)
Identification and Quantitation	2	Chromatographic pattern in sample does not match pattern of calibration standard
	3	2 nd column confirmation (RPD or %D)
	4	Tentatively Identified Compound (TIC) (associated with NJ only)
	20	Calibration Range or Linear Range Exceeded
	25	Compound Identification (i.e., ion ratio, retention time, relative abundance, etc.)
Miscellaneous	11	A more appropriate result is reported (multiple reported analyses i.e., dilutions, re-extractions, etc. Associated with "R" and "DNR" only)
	14	Other (See DV report for details)
	26	Method QC information not provided

¹H = high bias indicated

L = low bias indicated

**Draft Dioxin/Furan Analysis by HRMS
(Based on Dioxin NFG 2016 and Method EPA 1613B)**

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments ³
Sample Handling					
Cooler/Storage Temperature Preservation	Waters/Solids ≤ 6°C & in the dark Tissues <-10°C & in the dark Preservation Aqueous: If Cl ₂ is present Thiosulfate must be added and if pH > 9 it must be adjusted to 7 - 9	NFG ⁽¹⁾ Method ⁽²⁾	J(pos)/R(ND) if thiosulfate not added if Cl ₂ present; J(pos)/UJ(ND) if pH not adjusted J(pos)/UJ(ND) if temp > 20°C	1	EcoChem PJ, see TM-05
Holding Time	If properly stored, 1 year or: Extraction (all matrices): 30 days from collection Analysis (all matrices): 45 days from extraction	NFG ⁽¹⁾ Method ⁽²⁾	If not properly stored or HT exceedance: J(pos)/UJ(ND)	1	EcoChem PJ, see TM-05 Gross exceedance = > 1 year 2011 NFG Note: Under CWA, SDWA, and RCRA the HT for H2O is 7 days.
Instrument Performance					
Mass Resolution (PFK)(Tuning)	PFK (Perfluorokerosene) Analyzed prior to ICAL and at the beginning and end of each 12 hr. shift. ≥10,000 resolving power at m/z low and high mass (e.g. 304.9824 and 380.9760) Lock-mass for each descriptot w/in 5 ppm of theoretical value	NFG ⁽¹⁾ Method ⁽²⁾	R(pos/ND) all analytes in all samples associated with the tune	24	
Windows Defining Mix (WDM)	Peaks for first and last eluters must be within established retention time windows for each selector group (chlorination level)	NFG ⁽¹⁾ Method ⁽²⁾	If peaks are not completely within windows (clipped): If natives are ok, J(pos)/UJ(ND) homologs (Totals) If natives are affected, R all results for that selector group	24	
AND Isomer Specificity Check (ISC)	Both mixes must be analyzed before ICAL and CCAL Valley < 25% (valley = (x/y)*100%) where x = ht. of TCDD (or TCDF) & y = baseline to bottom of valley For all isomers eluting near the 2378-TCDD (TCDF) peak	NFG ⁽¹⁾ Method ⁽²⁾	J(pos) if valley > 25%	24	EcoChem PJ, see TM-05, Rev. 2; Note: TCDF is evaluated only if second column confirmation is performed
OR Column Performance Solution (CPS) (combined WDM and ISC)	Peaks for first and last eluters must be within established retention time windows for each selector group (chlorination level) Both mixes must be analyzed before ICAL and CCAL Valley < 25% (valley = (x/y)*100%) where x = ht. of TCDD (or TCDF) & y = baseline to bottom of valley For all isomers eluting near the 2378-TCDD (TCDF) peak	NFG ⁽¹⁾ Method ⁽²⁾	If peaks are not completely within windows (clipped): If natives are ok, J(pos)/UJ(ND) homologs (Totals) If natives are affected, R all results for that selector group J(pos) if valley > 25%	24	EcoChem PJ, see TM-05, Rev. 2; Note: TCDF is evaluated only if second column confirmation is performed

Draft Dioxin/Furan Analysis by HRMS
(Based on Dioxin NFG 2016 and Method EPA 1613B)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments ³
Initial Calibration Sensitivity	S/N ratio > 10 for all native and labeled compounds in CS1 std.	NFG ⁽¹⁾ Method ⁽²⁾	If <10, elevate Det. Limit or R(ND)	5A	
Initial Calibration Selectivity	Ion Abundance ratios within QC limits (Table 8 of method 8290) (Table 9 of method 1613B)	NFG ⁽¹⁾ Method ⁽²⁾	If 2 or more ion ratios are out for one compound in ICAL, J(pos)	5A	EcoChem PJ, see TM-05, Rev. 2
Initial Calibration (Minimum 5 stds.) Stability	%RSD < 20% for native compounds %RSD <30% for labeled compounds (%RSD < 35% for labeled compounds under 1613b)	NFG ⁽¹⁾ Method ⁽²⁾	J(pos) natives if %RSD > 20%	5A	
	Absolute RT of ¹³ C ₁₂ -1234-TCDD >25 min on DB5 & >15 min on DB-225	NFG ⁽¹⁾ Method ⁽²⁾	Narrate, no action		EcoChem PJ, see TM-05, Rev. 2
Continuing Calibration (Prior to each 12 hr. shift) Sensitivity	S/N ratio for CS3 standard > 10	NFG ⁽¹⁾ Method ⁽²⁾	If <10, elevate Det. Limit or R(ND)	5B	
Continuing Calibration (Prior to each 12 hr. shift) Selectivity	Ion Abundance ratios within QC limits (Table 8 of method 8290) (Tables 8 and 9 of method 1613B)	NFG ⁽¹⁾ Method ⁽²⁾	For congener with ion ratio outlier, J(pos) natives in all samples associated with CCAL. No action for labeled congener ion ratio outliers.	25	EcoChem PJ, see TM-05

**Draft Dioxin/Furan Analysis by HRMS
(Based on Dioxin NFG 2016 and Method EPA 1613B)**

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments ³
Continuing Calibration (Prior to each 12 hr. shift) Stability	%D +/-20% for native compounds %D +/-30% for labeled compounds (Must meet limits in Table 6, Method 1613B)	NFG ⁽¹⁾ Method ⁽²⁾	Labeled compounds: Narrate, no action. Native compounds: 1613: J(pos)/UJ(ND) if %D is outside Table 6 limits J(pos)/R(ND) if %D is +/-75% of Table 6 limits	5B (H,L) ⁴	
	Absolute RT of ¹³ C ₁₂ -1234-TCDD and ¹³ C ₁₂ -123789-HxCDD should be +/- 15 seconds of ICAL RRT for all other compounds must meet criteria listed in Table 2 Method 1316.	NFG ⁽¹⁾ Method ⁽²⁾	Narrate, no action	5B	EcoChem PJ, see TM-05
Blank Contamination					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected compounds > RL	NFG (1) Method(2)	U(pos) if result is < 5X action level.	7	Hierarchy of blank review: #1 - Review MB, qualify as needed #2 - Review FB , qualify as needed
Field Blank (FB)	FB: frequency as per QAPP No detected compounds > RL		U(pos) if result is < 5X action level.	6	
Precision and Accuracy					
MS/MSD (recovery)	MS/MSD not typically required for HRMS analyses. If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos) if both %R > UCL - high bias J(pos)/UJ(ND) if both %R < LCL - low bias J(pos)/R(ND) if both %R < 10% - very low bias J(pos)/UJ(ND) if one > UCL & one < LCL, with no bias PJ if only one %R outlier	8 (H,L) ⁴	No action if only one spike %R is outside criteria. No action if parent concentration is >4x the amount spiked. Qualify parent sample only unless other QC indicates systematic problems.
MS/MSD (RPD)	MS/MSD not typically required for HRMS analyses. If lab analyzes MS/MSD then one set per matrix per batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos) in parent sample if RPD > CL	9	Qualify parent sample only.
LCS (or OPR)	One per lab batch (of ≤ 20 samples) Use most current laboratory control limits or Limits from Table 6 of 1613B	NFG ⁽¹⁾ Method ⁽²⁾ Ecochem standard policy	J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if %R < LCL - low bias J(pos)/R(ND) if %R < 10% - very low bias	10 (H,L) ⁴	No action if only one spike %R is outside criteria, when LCSD is analyzed. Qualify all associated samples.
LCS/LCSD (RPD)	LCSD not typically required for HRMS analyses. One set per matrix and batch of 20 samples RPD < 35%	Method ⁽²⁾ Ecochem standard policy	J(pos) assoc. compound in all samples if RPD > CL	9	Qualify all associated samples.
Lab Duplicate (RPD)	Lab Dup not typically required for HRMS analyses. One per lab batch (of ≤ 20 samples) Use most current laboratory control limits	EcoChem standard policy	J(pos)/UJ(ND) if RPD > CL	9	

**Draft Dioxin/Furan Analysis by HRMS
(Based on Dioxin NFG 2016 and Method EPA 1613B)**

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments ³
Precision and Accuracy (continued)					
Labeled Compounds (Internal Standards and cleanup standards)	Added to all samples %R = 40% - 135% in all samples 8290 %R must meet limits in Table 7 Method 1613B	NFG ⁽¹⁾ Method ^(2,3)	J(pos) if %R > UCL - high bias J(pos)/UJ(ND) if %R < LCL - low bias J(pos)/R(ND) if %R < 10% - very low bias	13 (H,L) ⁴	
	Ion Abundance Ratio Method 1613B: Table 8 (required m/z to monitor) Table 9 (QC limits) Method 8290A: Table 8				
Field Duplicates	Solids: RPD <50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy and default criteria	Narrate and qualify (J/UJ) if required by project	9	QAPP may have other specified control limits Control limit for this project is 75%
Compound ID and Calculation					
Quantitation/ Identification	All ions for each isomer must maximize within +/- 2 seconds. S/N ratio >2.5 Table 9 of 1613B; RRTs w/in limits in Table 2 of 1613B	NFG ⁽¹⁾ Method ^(2,3)	Narrate in report; qualify if necessary U(pos) for retention time outliers. J(pos) for ion ratio outliers.	25	EcoChem PJ, see TM-05
EMPC (estimated maximum possible concentration)	If quantitation identification criteria are not met, laboratory should report an EMPC value.	NFG ⁽¹⁾ Method ^(2,3)	If laboratory correctly reported an EMPC value, qualify the native compound J(pos) to indicate that the value is a detection limit and qualify total homolog groups J (pos)	25	Projec SAP/QAPP may require EMPCS to be considered ND; in that csae U-25 natives, J-25 Totals professional judgment See TM-18
Interferences	Interferences from chlorodiphenyl ether compounds	NFG ⁽¹⁾ Method ^(2,3)	J(pos)/UJ(ND) if present	23	See TM-16
	Lock masses must not deviate +/- 20% from values in Table 8 of 1613B	Method ^(2,3)	J(pos)/UJ(ND) if present	24	See TM-17
Second Column Confirmation	All 2,3,7,8-TCDF hits must be confirmed on a DB-225 (or equiv) column. All QC criteria must also be met for the confirmation analysis.	NFG ⁽¹⁾ Method ^(2,3)	Report the DB-225 value. If not performed use PJ.		DNR-11 DB5 result if both results from both columns are reported. EcoChem PJ, see TM-05
Calculation Check	Check 10% of field & QC sample results	EcoChem standard policy	Contact laboratory for resolution and/or corrective action	na	Full data validation only.

**Draft Dioxin/Furan Analysis by HRMS
(Based on Dioxin NFG 2016 and Method EPA 1613B)**

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments ³
Electronic Data Deliverable (EDD)					
Verification of EDD to hardcopy data	EcoChem verify @ 10% unless problems noted; then increase level up to 100% for next several packages.		Depending on scope of problem, correct at EcoChem (minor issues) to resubmittal by laboratory (major issues).	na	EcoChem Project Manager and/or Database Administrator will work with lab to provide long-term corrective action.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	Standard reporting policy	Use "DNR" to flag results that will not be reported.	11	

¹ National Functional Guidelines for Chlorinated Dibenzo-p-Dioxins (CDDs) & Chlorinated Dibenzofurans (CDFs) Data Review, September 2016
National Functional Guidelines for High Resolution Superfunds Methods Data Review, April 2016

² EPA Method 1613, Rev.B, Tetra-through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGS/HRMS, October 1994
NFG suggests using "+ / -" to indicate bias; EcoChem has chosen "H" = high bias indicated; "L" = low bias indicated.

³ Tech Memos (TM) on file at EcoChem

(pos) - positive (detected) results;
(ND) - not detected results

Semivolatile Organic Compounds by Gas Chromatography-Mass Spectroscopy (GC-MS)
(Based on Organic NFG 2017 and SW-846 Method 8270E)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	<6°C sediment/tissues may require storage at -20°C	NFG ⁽¹⁾ Method ⁽²⁾	If required by project: J (pos)/UJ (ND) if greater than 6° C	1	Use PJ for temp outliers; see TM20
Holding Time	Extraction Aqueous: 7 days from collection Extraction Solid: 14 days from collection Analysis (all matrices): 40 days from extraction Extraction Holding Time may be extended to 1 year for frozen sediments/tissues	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if HT exceeded J (pos)/R (ND) if gross exceedance (> 2x HT)	1	Use PJ for Gross Exceedance Gross exceedance = > 2x HT
Instrument Performance					
Tuning	DFTPP Beginning of each 12 hour period Use method criteria	NFG ⁽¹⁾ Method ⁽²⁾	R (pos/ND) all analytes in all samples associated with the tune	24	tune requirement waived if opening CCV passes
Initial Calibration Sensitivity	RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders *	NFG ⁽¹⁾ Method ⁽²⁾ EcoChem standard policy	Use PJ to qualify J (pos)/UJ (ND)	5A	PJ: No action if response is stable (ICAL RSD and CCAL %D acceptable)
Initial Calibration Stability	Minimum 5 standards %RSD ≤ 20.0% except: %RSD ≤ 40.0% poor responders * or co-efficient of determination (r ²) > 0.99	NFG ⁽¹⁾ Method ⁽³⁾	J (pos) if %RSD > limit or r ² value <0.99	5A	
Initial Calibration Verification Check	Prepared from second source; analyze after each ICAL Percent recovery limits = 70-130%	Method ⁽²⁾	J (pos) %R > UCL J (pos)/UJ (ND) %R < LCL	5A (H,L) ⁴	QAPP may have overriding accuracy limits.
Instrument Performance (continued)					
Continuing Calibration Sensitivity	RRF ≥ 0.05 except: RRF ≥ 0.01 poor responders *	NFG ⁽¹⁾ Method ⁽²⁾	Use PJ to qualify J (pos)/UJ (ND)	5B	see ICAL RRF guidance
Continuing Calibration Stability	Prior to sample analysis and every 12 hours %D ≤ 25% except: %D ≤ 40.0% poor responders *	NFG ⁽¹⁾ Method ⁽²⁾	J (pos) - %D > control limit (high bias) J (pos)/UJ (ND) - %D < -control limit (low bias)	5B (H,L) ⁴	

DATA VALIDATION CRITERIA

Blank Contamination					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected compounds > MDL	NFG ⁽¹⁾ Method ⁽²⁾	U(pos) if result is < 5X or 10X action level	7	10X action level applies to phthalates only. 5X for all other target analytes Hierarchy of blank review: #1 - Review MB, qualify as needed #2 - Review FB , qualify as needed Note: Actions as per 1999 NFG
	No TICs present		R (pos) TICs using 10X rule	7	
Field Blank (FB)	No detected compounds > MDL	NFG ⁽¹⁾ Method ⁽²⁾	U (pos) if result is < 5X or 10X action level	6	
Precision and Accuracy					
LCS/LCSD (recovery)	One per matrix per batch (of ≤ 20 samples) LCSD not required by NFG or method Use method acceptance criteria/laboratory limits	NFG ⁽¹⁾ Method ⁽²⁾ EcoChem standard policy	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND)%R < 10%	10 (H,L) ⁴	No action if only one spike %R is outside criteria when LCSD is analyzed, unless one recovery is <10%. IF UCL is < 100% and %R is > UCL but less than 100%, don't qualify for high bias QAPP may have overriding accuracy limits. Qualify all associated samples.
LCS/LCSD (RPD)	If LCSD analyzed RPD < lab limits	Method ⁽²⁾	J (pos)	9	Qualify all associated samples. QAPP may have overriding precision limits.
Precision and Accuracy (continued)					
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L) ⁴	QAPP may have overriding accuracy limits. Some manufacturers have different RM control limits
MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples) Use method acceptance criteria/laboratory limits	NFG ⁽¹⁾ Method ⁽²⁾ EcoChem standard policy	J (pos) %R > UCL J (pos)/UJ (ND) if both %R < LCL J (pos)/R (ND) if both %R < 10% J (pos)/UJ (ND) if one > UCL & one < LCL, with no bias	8 (H,L) ⁴	No action if only one spike %R is outside criteria. No action if parent concentration is >4x the amount spiked. Qualify parent sample only.
MS/MSD (RPD)	One per matrix per batch (of ≤ 20 samples) Use method acceptance criteria/laboratory limits	NFG ⁽¹⁾ Method ⁽²⁾	J (pos) in parent sample if RPD > CL	9	Qualify parent sample only
Surrogates	Minimum of 3 acid & 3 base/neutral (B/N) compounds added to all samples Within method control limits	NFG ⁽¹⁾ Method ⁽²⁾ EcoChem standard policy	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND) if %R < 10%	13 (H,L) ⁴	Qualify all compounds in associated fraction. Do not qualify if only 1 acid and/or 1 B/N surrogate is out, unless <10%. If 1 surrogate outlier < 10% then J (pos)/R (ND)

DATA VALIDATION CRITERIA

Internal Standards	Added to all samples Acceptable Range: IS area 50% to 200% of CCAL area RT within 30 seconds of CC RT	NFG ⁽¹⁾ Method ⁽²⁾	J (pos) if > 200% J (pos)/UJ (ND) if < 50% J (pos)/R (ND) if < 25% if RT > 30 seconds use PJ	19	Qualify compounds quantified using particular internal standard
Field Duplicates	Solids: RPD < 50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD < 35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	J (pos)/UJ (ND) Qualify only parent and field duplicate samples	9	Use project limits if specified
Compound Identification and Quantitation and Calculation					
Retention times and relative ion intensities	RRT within 0.06 of standard RRT Ion relative intensity within 20% of standard All ions in std. at > 10% intensity must be present in sample	NFG ⁽¹⁾ Method ⁽²⁾	U (pos) if identification criteria not met	25	
TICs	Major ions (>10%) in reference must be present in sample; intensities agree within 20%; check identification	NFG ⁽¹⁾ Method ⁽²⁾	NJ the TIC unless: R (pos) common laboratory contaminants	4	
Calibration Range	Results greater than highest calibration standard	EcoChem standard policy	Qualify J (pos)	20	If result from dilution analysis is not reported.
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	TM-04 EcoChem Policy for Rejection/Selection Process for Multiple Results

¹ National Functional Guidelines for Organic Data Review, January 2017

² Method SW846 8270E Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

NFG 2013 suggests using "+ / -" to indicate bias; EcoChem has chosen "H" = high bias indicated; "L" = low bias indicated.

(pos): Positive Result

(ND): Not detected

* "Poor responder" compounds: acetophenone, atrazine, benzaldehyde, 1,1'-biphenyl, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, caprolactam, carbazole, 4-chloroaniline, diethylphthalate, di-n-butylphthalate, 3-3'-dichlorobenzidine, dimethylphthalate, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, di-n-octylphthalate, hexachlorobutadiene, hexachlorocyclopentadiene, 2-nitroaniline, 3-nitroaniline, 4-nitroaniline, 4-nitrophenol, N-nitrosodiphenylamine, 2,2'-oxybis-(1-chloropropane), 1,2,4,5-tetrachlorobenzene use a 0.010 RRF criterion.

DATA VALIDATION CRITERIA

Pesticides by GC (Based on Organic NFG 2017 and SW-846 Method 8081B)

QC Element	Acceptance Criteria (NFG)	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	0-6°C Tissue/sediments (may be frozen -20°C)	NFG ⁽²⁾ Method ⁽³⁾	J (pos)/UJ (ND) if greater than 6° C	1	Use Professional Judgment (PJ) to qualify for temperature outlier.
Holding Time	<i>Extraction Aqueous</i> : 7 days from collection <i>Extraction Solid</i> : 14 days from collection <i>Extraction Tissue/Sediment (frozen)</i> : 1 year <i>Analysis (all matrices)</i> : 40 days from extraction	NFG ⁽²⁾ Method ⁽³⁾	J (pos)/UJ (ND) if ext/analyzed > HT J (pos)/R (ND) if gross exceedance (> 2x HT)	1	Gross exceedance > 2x HT, as per NFG 1999
Instrument Performance					
Resolution Check	Beginning of ICAL sequence Within RTW and resolution > 60%	NFG ⁽²⁾	NJ (pos)/R (ND) results	14	CLP criterion; might not be submitted with SW846 data package
Retention Times	Surrogates: TCMX (± 0.05); DCB (± 0.10) Target analytes: within RTW	NFG ⁽²⁾ Method ⁽³⁾	NJ (pos)/R (ND) results for analytes with RT shifts	24	Use PJ based on examination of raw data
Breakdown (PEM)	DDT Breakdown: ≤ 20% Endrin Breakdown: ≤ 20% Combined Breakdown: ≤ 30% Compounds within RTW, Resolution >90%	NFG ⁽²⁾ Method ⁽³⁾	If 4,4'-DDT is detected: J (pos) 4,4'-DDT, 4,4'-DDD and 4,4'-DDE If 4,4'-DDT is ND and either 4,4'-DDD or 4,4'-DDE are detected: R (ND) 4,4'-DDT, NJ (pos) DDD and DDE If Endrin is detected: J (pos) Endrin, Endrin Aldehyde and Endrin Ketone If Endrin is ND and either EA or EK are detected: R (ND) Endrin, NJ (pos) EA and EK	5A	Method 8081B breakdown criterion: ≤ 15%. For combined breakdown outliers, apply qualifiers considering the degree of individual breakdown.
Initial Calibration	Single Component Compounds: RSD ≤ 20% alpha-BHC and delta-BHC: RSD ≤ 25% toxaphene and surrogates: RSD ≤ 30% or correlation coefficient (r-value) ≥ 0.995 OR Minimum 6-point with coefficient of determination (r ² -value) ≥ 0.99	NFG ⁽²⁾ Method ⁽⁴⁾	J (pos) if %RSD greater than control limit or r-value < 0.995 or r ² -value < 0.99	5A	Refer to TM-01 for additional information.
Initial Calibration Verification (ICV)	No NFG criteria Project specific	Project QAPP	J (pos) if > UCL J (pos)/UJ (ND) if < LCL	5B	Use bias flags (H,L) ⁽⁶⁾ where appropriate

Pesticides by GC
(Based on Organic NFG 2017 and SW-846 Method 8081B)

QC Element	Acceptance Criteria (NFG)	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Instrument Performance (continued)					
Continuing Calibration	CS3 (midpoint cal std) %D ± 20% Analyzed prior to each 12 hour shift	Method ⁽³⁾	If > 20% (high bias): J (pos) If <20% (low bias): J (pos)/UJ (ND)	5B	lab may run alternating PEM/CS3Refer to TM-01 for additional information. Use bias flags (H,L) ⁽⁶⁾ where appropriate
Blank Contamination					
Method Blank (MB)	One per matrix per batch (of ≤ 20 samples) No detected compounds > RL	NFG ⁽¹⁾ Method ⁽³⁾	U (pos) if result is less than appropriate 5X action level.	7	<p align="center">Hierarchy of blank review:</p> #1 - Review MB and IB, qualify as needed #2 - Review FB , qualify as needed <p align="center">Note: Actions as per NFG 1999</p> Note: IB not required by method
Field Blank (FB)	FB: frequency as per QAPP No detected compounds > RL	NFG ⁽¹⁾ Method ⁽³⁾	U (pos) if result is less than appropriate 5X action level.	6	
Instrument Blanks (IB)	Analyzed at the beginning and end of every 12 hour sequence No analyte > CRQL	NFG ⁽¹⁾	U (pos) if result is less than appropriate 5X action level.	7	
Precision and Accuracy					
MS/MSD (recovery)	One set per matrix per batch (of ≤ 20 samples) Method or project acceptance limits	NFG ⁽²⁾ Method ⁽³⁾	Qualify parent only unless other QC indicates systematic problems. J (pos) if both %R > upper control limit (UCL) J (pos)/UJ (ND) if both %R < lower control limit (LCL) J (pos)/R (ND) if both %R < 10%	8	No action if only one spike %R is outside criteria No action if native analyte conc. > 5x the amount spiked Use bias flags (H,L) ⁽⁶⁾ where appropriate
MS/MSD (RPD)	One set per matrix per batch (of ≤ 20 samples) Method or project acceptance limits	NFG ⁽²⁾ Method ⁽³⁾	Qualify parent only unless other QC indicates systematic problems. J (pos) if RPD > control limit	9	No action if parent is ND
LCS	One per lab batch (of ≤ 20 samples) Method or project acceptance limits	NFG ⁽²⁾	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND) if %R < 10%	10	Qualify all associated samples. Use bias flags (H,L) ⁽⁶⁾ where appropriate
LCS/LCSD (RPD)	if analyzed use MS/MSD RPD criteria	NFG ⁽²⁾	J (pos) assoc. compound in all samples	9	LCSD not required by method or NFG
Surrogates	TCMX and DCBP added to every sample %R = 30% - 150% or project limits	NFG ⁽²⁾ Method ⁽³⁾	J (pos) if either %R > UCL J (pos)/UJ (ND) if either %R < LCL J (pos)/R (ND) if either %R < 10%	13	If %R < 10% (dilution is a factor), use PJ Use bias flags (H,L) ⁽⁶⁾ where appropriate

DATA VALIDATION CRITERIA

Pesticides by GC (Based on Organic NFG 2017 and SW-846 Method 8081B)

QC Element	Acceptance Criteria (NFG)	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy (continued)					
Internal Standards (if used)	Acceptable Range: IS area = 50% to 200% of CCAL area RT within 30 seconds of CC RT	Method ⁽³⁾	J (pos) if area > 200% J (pos)/UJ (ND) if area < 50% J (pos)/R (ND) if area < 25% RT > 30 seconds, narrate	19	
Field Duplicates	Solids: RPD < 50% or difference < 2X RL (for results < 5X RL) Aqueous: RPD < 35% or difference < 1X RL (for results < 5X RL)	EcoChem standard practice	J (pos)/UJ (ND) Qualify only parent and field duplicate samples	9	Use project limits if specified
Compound Identification/Quantification					
Quantitation/ Identification	Between two columns: RPD < 40% or %D < 25% Within Retention Time Windows on both columns.	NFG ⁽²⁾ Method ⁽³⁾	J (pos) if RPD = 40% - 60% (25% - 60% for %D) NJ (pos) if > 60% R (pos) if RTW criterion not met	3	See TM-08 for additional info
Calibration Range	On-column concentration < high calibration standard	NFG ⁽²⁾ Method ⁽³⁾	J (pos) if conc > high standard and sample was not diluted	20	
Dilutions Re-extractions and/or Reanalyses	Report only one result per analyte	Standard reporting policy	Use "DNR" to flag results that will not be reported.	11	TM-04 for additional info
Sample Clean-up					
GPC/Sulfur/ Florisil	GPC or Florisil cleanup standards 80% - 120%	NFG ⁽²⁾	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND) if %R < 10%	14	Cleanups are optional under SW846 Use bias flags (H,L) ⁽⁶⁾ where appropriate

² National Functional Guidelines for Organic Superfund Methods Data Review, January, 2017

³ Organochlorine Pesticides by Gas Chromatography USEPA Method SW846 8081B, Feb 2007, Rev. 2

⁴ SW846, Chapter 4, Organic Analytes

⁵ Determinative Chromatographic Separations, Method 8000C, March 2003, Rev.3

⁶ NFG suggests using "+ / -" to indicate bias; EcoChem has chosen "H" = high bias indicated; "L" = low bias indicated.

PCB Aroclors by GC
(Based on Organic NFG 2017 and SW-846 Method 8082A)

QC Element	Acceptance Criteria (NFG)	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	0-6°C Tissue/sediments (may be frozen -20°C)	NFG ⁽¹⁾ Method ⁽²⁾	If required by project: J (pos)/UJ (ND) if greater than 6° C	1	Use Professional Judgment (PJ) to qualify for temperature outlier. Current SW846 criterion is ≤ 6° C ⁽³⁾
Holding Time	Extraction Aqueous: 7 days from collection Extraction Solid: 14 days from collection Extraction Tissue/Sediment (frozen): 1 year Analysis (all matrices): 40 days from extraction	NFG ⁽¹⁾ Method ⁽²⁾	If required by project: J (pos)/UJ (ND) if ext/analyzed > HT	1	Use PJ to qualify for holding times Current SW846 does not have an extraction holding time limit, but recommends one year. ⁽³⁾
Instrument Performance					
Retention Times	Surrogates: TCMX (± 0.05); DCB (± 0.10) Aroclors (± 0.07)	NFG ⁽¹⁾	NJ (pos)/R (ND) results for analytes with RT shifts	24	
Initial Calibration	Minimum 5 point with RSD ≤ 20% OR correlation coefficient (r-value) ≥ 0.995 OR Minimum 6-point with co-efficient of determination (r ² -value) ≥ 0.99	NFG ⁽¹⁾ Method ⁽⁴⁾	J (pos) if %RSD greater than 20% OR r-value < 0.995 OR r ² -value < 0.99	5A	Refer to TM-01 for additional information. Use bias flags (H,L) ⁽⁵⁾ where appropriate
Initial Calibration Verification (ICV)	No NFG criteria. Project specific.	Project	J (pos) if > UCL J (pos)/UJ (ND) if < LCL	5B	Use bias flags (H,L) where appropriate
Continuing Calibration (Prior to each 12 hr. shift)	%D ± 20%	Method ⁽²⁾	If > 20% (high bias): J (pos) If < 20% (low bias): J (pos)/UJ (ND)	5B	Refer to TM-01 for additional information. Use bias flags (H,L) where appropriate
Blank Contamination					
Method Blank (MB)	MB: One per matrix per batch of (of ≤ 20 samples) No detected compounds > RL	NFG ⁽¹⁾ Method ⁽²⁾	U (pos) if result is less than appropriate 5X action level.	7	Hierarchy of blank review: #1 - Review MB and IB, qualify as needed #2 - Review FB, qualify as needed Note: Actions as per NFG 1999 Note: IB not required by method
Field Blank (FB)	FB: frequency as per QAPP No detected compounds > RL	NFG ⁽¹⁾ Method ⁽²⁾	U (pos) if result is less than appropriate 5X action level.	6	
Instrument Blanks (IB)	Analyzed at the beginning and end of every 12 hour sequence No analyte > CRQL	NFG ⁽¹⁾	U (pos) if result is less than appropriate 5X action level.	7	
Precision and Accuracy					
MS/MSD (recovery)	One set per matrix per batch (of ≤ 20 samples) AR1016 and AR1260: %R = 29% - 135%, or project limits	NFG ⁽¹⁾ Method ⁽²⁾ EcoChem Standard Policy	Qualify parent only unless other QC indicates systematic problems. J (pos) if both %R > upper control limit (UCL) J (pos)/UJ (ND) if both %R < lower control limit (LCL) J (pos)/R (ND) if both %R < 10%	8	No action if only one spike %R is outside criteria. No action if native analyte conc. > 5x the amount spiked. Use bias flags (H,L) where appropriate. Actions apply to all Aroclors in parent sample.

PCB Aroclors by GC
(Based on Organic NFG 2017 and SW-846 Method 8082A)

QC Element	Acceptance Criteria (NFG)	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Precision and Accuracy					
MS/MSD (RPD)	One set per matrix per batch (of ≤ 20 samples) AR1016: RPD < 15%, AR1260: RPD < 20% or project limits	NFG ⁽¹⁾ Method ⁽²⁾	Qualify parent only unless other QC indicates systematic problems. J (pos) if RPD > control limit	9	No action if parent is ND.
LCS	One per lab batch (of ≤ 20 samples) AR1016 and AR1260: %R = 50% - 150%, or project limits	NFG ⁽¹⁾ EcoChem Standard Policy	J (pos) if %R > UCL J (pos)/UJ (ND) if %R < LCL J (pos)/R (ND) if %R < 10%	10	Use bias flags (H,L) where appropriate. Actions apply to all Aroclors in associated samples.
LCS/LCSD (RPD)	if analyzed use MS/MSD RPD criteria	NFG ⁽¹⁾	J (pos) assoc. compound in all samples	9	LCSD not required by method or NFG
Surrogates	TCMX and DCBP added to every sample %R = 30% - 150% or project limits	NFG ⁽¹⁾ Method ⁽²⁾	J (pos) if either %R > UCL J (pos)/UJ (ND) if either %R < LCL J (pos)/R (ND) if either %R < 10%	13	If %R < 10% (sample dilution is a factor), use PJ Use bias flags (H,L) where appropriate
Internal Standards (if used)	Acceptable Range: IS area = 50% to 200% of CCAL area RT within 30 seconds of CC RT	Method ⁽²⁾	J (pos) if area > 200% J (pos)/UJ (ND) if area < 50% J (pos)/R (ND) if area < 25% RT > 30 seconds, narrate	19	
Field Duplicates	Solids: RPD < 50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD < 35% OR difference < 1X RL (for results < 5X RL)	EcoChem Standard Policy	J (pos)/UJ (ND) Qualify only parent and field duplicate samples	9	QAPP may have overriding limits
Compound Identification/Quantification					
Quantitation/ Identification	Between two columns: RPD < 40% or %D < 25% Within Retention Time Windows on both columns.	NFG ⁽¹⁾ Method ⁽²⁾	J (pos) if RPD = 40% - 60% (25% - 60% for %D) NJ (pos) if > 60% R (pos) if RTW criterion not met	3	See TM-08 for additional info.
Calibration Range	on column concentration < high calibration standard	NFG ⁽¹⁾ Method ⁽²⁾	J (pos) if conc > high standard and sample was not diluted	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	Standard reporting policy	Use "DNR" to flag results that will not be reported.	11	TM-04 Rev. 1 for additional info.
Sample Clean-up					
GPC/Sulfur/ Florisil/Acid	No criteria - cleanups are optional	NFG ⁽¹⁾ Method ⁽²⁾	Use Professional Judgment	14	special cleanups may be required for project cleanup standards may be associated with GPC/florisil cleanups

¹ National Functional Guidelines for Organic Data Review, January 2017

² Polychlorinated Biphenyls (PCBs) by Gas Chromatography USEPA Method SW846 8082A, Feb 2007, Rev. 1

³ SW846, Chapter 4, Organic Analytes

⁴ Determinative Chromatographic Separations, Method 8000C, March 2003, Rev.3

⁵ "H" = high bias indicated; "L" = low bias indicated

(pos): Positive Result

(ND): Not detected

Metals by ICP-MS
(Based on Inorganic NFG 2017 and SW-846 6020B)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler / Storage Temperature Preservation	Solid: Cooler temperature $\leq 6^{\circ}\text{C}$ Aqueous: Nitric Acid to pH < 2 Dissolved Metals: 0.45 μm filter, preserve to pH < 2 after filtration	NFG ⁽¹⁾ Method ⁽²⁾	Cooler Temps: If required by project J (pos)/UJ (ND) if greater than 6°C Aqueous: J (pos)/UJ (ND) if pH > 2	1	Use PJ to qualify for temperature outlier. No quals for pH if samples preserved by lab upon receipt and within 1 day of collection.
Holding Time	All matrices: 180 days from date sampled Frozen soils, sediments, tissues (-20°C) - HT extended to 1 year	NFG ⁽¹⁾ Method ⁽²⁾ EcoChem standard policy	J (pos)/UJ (ND) if holding time exceeded	1	Use PJ for gross exceedences (>2x HT)
Instrument Performance					
Tune	Analyzed prior to ICAL Mass Cal < 0.1 amu difference from target mass Peak Resolution < 0.9 amu @ 10% peak height	NFG ⁽¹⁾ Method ⁽²⁾	J(pos)/UJ(ND) if tune criteria not met	5A	Use PJ to evaluate tune. Alternate Resolution criteria may apply based on instrument specs (i.e <0.75 amu at 5% peak height)
Initial Calibration (ICAL)	Based on instrument requirements, blank + 1 standard minimum requirement for calibration If more than 1 standard used, $r \geq 0.995$	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if $r < 0.995$	5A	
Initial Calibration Verification (ICV)	Independent source analyzed immediately after calibration %R within $\pm 10\%$ of true value	NFG ⁽¹⁾ Method ⁽²⁾	R (pos/ND) if %R < 75% J (pos)/UJ (ND) if %R 75% - 89% J (pos) if %R >111%	5A (H,L) ³	Qualify all samples in run
Reporting Limit (RL) Standard Low Level ICV/CCV	concentration at RL %R = 80%-120%	Method ⁽²⁾	J (pos) < 2x RL / R (ND) if %R <50% J (pos) < 2x RL / UJ (ND) if %R 50 - 79% J (pos) < 2x RL if %R > 120%	5A (H,L) ³	for ICVL, qualify all samples in run for CCVL, qualify bracketed samples
Continuing Calibration Verification (CCV)	Immediately following ICV/ICB, then every two hours or ten samples, and at end of run. %R within $\pm 10\%$ of true value	NFG ⁽¹⁾ Method ⁽²⁾	R (pos/ND) if %R < 75% J (pos)/UJ (ND) if %R 75% - 89% J (pos) if %R >111%	5B (H,L) ³	Qualify samples bracketed by CCV outliers
Interference Check Samples (ICSA / ICSAB)	ICSAB %R 80% - 120% for all spiked elements ICSA < MDL for all unspiked elements	NFG ⁽¹⁾ Method ⁽²⁾	For samples with interfering elements > ICS levels: ICSAB: J (pos)/R (ND) if %R < 50% J (pos)/UJ (ND) if %R = 50% - 79% J (pos) if %R > 120% ICSA: J (pos) < 2x RL/UJ (ND) for ICSA <Neg MDL J (pos) < 2x RL for ICSA >MDL	17 (H,L) ³	Method may only require ICSA (or SIC) Use PJ and molecular interferences to evaluate ICSA to determine if bias is present. Due to low levels of some target analytes in the supplier stock solutions, there may be a true value for some unspike analytes in the ICSA Refer to TM-14 for additional information.
Spectral Interference Check (SIC)	Interferents: Al, Ca, Fe, Mg, Na P, K, S, C, Cl, Mo, Ti daily SIC - unspiked analytes < +/- 2x LOQ	NFG ⁽¹⁾ Method ⁽²⁾	For samples with Interfering elements > SIC levels: J (pos) < 2x SIC/UJ (ND) for SIC <Neg 2x LOQ J (pos) < 2x SIC for SIC > 2x LOQ	17 (H,L) ³	Use PJ and molecular interferences (Table 1 in method) to evaluate SIC to determine if bias is present. Refer to TM-14 for additional information.

Metals by ICP-MS
(Based on Inorganic NFG 2017 and SW-846 6020B)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Blank Contamination					
Method Blank (MB)	One per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG ⁽¹⁾ Method ⁽²⁾	U (pos) if result is < 5X method blank concentration	7	Refer to TM-02 for additional information. Blank Evaluation based on NFG 1994
Instrument Blanks (ICB/CCB)	After each ICV & CCV blank concentration < MDL	NFG ⁽¹⁾ Method ⁽²⁾	Action level is 5x absolute value of blank conc. For positive blanks: U (pos) results < action level For negative blanks: J (pos)/UJ (ND) results < action level	Pos Blks: 7 Neg Blks: 7L ³	Use blanks bracketing samples for Qualification Refer to TM-02 for additional information. Hierarchy of blank review: #1 - Review MB, qualify as needed #2 - Review IB , qualify as needed #3 - Review FB , qualify as needed
Field Blank (FB)	Blank conc < MDL	EcoChem standard policy	U (pos) if result is < 5x action level, as per analyte.	6	Qualify in associated field samples only. Refer to TM-02 for additional information.
Precision and Accuracy					
Internal Standards (IS)	Added to all samples. All analytes must be associated with an internal standard %R > 30% compared to cal blank IS	NFG ⁽¹⁾ Method ⁽²⁾	J(pos)/UJ(ND) all analytes associated with IS outlier	19	NFG criteria 65%-125%
LCS (recovery)	One per matrix per batch (of ≤ 20 samples); LCSD not required %R between 80-120%	Method ⁽²⁾	J (pos)/R (ND) if %R <50% J (pos)/UJ (ND) if %R 50% - 79% J (pos) if %R > 120%	10 (H,L) ³	Qualify all samples in batch QAPP may have overriding accuracy limits. NFG Limits 70% -130%
LCS/LCSD (RPD)	LCSD not required, if analyzed: RPD ≤ 20%	Method ⁽²⁾	J (pos)/UJ (ND) if RPD > 20%	9	Qualify all samples in batch QAPP may have overriding precision limits.
MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples); MSD not required %R between 75-125%	NFG ⁽¹⁾ Method ⁽²⁾	J (pos) if %R > 125% J (pos)/UJ (ND) if %R <75% J (pos)/R (ND) if %R < 30%, unless post digestion spike analyzed, J (pos)/UJ (ND) if post digestion spike %R OK	8 (H,L) ³	No action if only one spike %R is outside criteria. NA if parent concentration >4x the amount spiked. Qualify all samples in batch. QAPP may have overriding accuracy limits.
MS/MSD (RPD)	MSD not required, if analyzed: RPD ≤ 20%	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if RPD > 20%	9	QAPP may have overriding precision limits.
Post Digestion Spikes	If MS is outside 75-125%, post-spike should be analyzed %R 75%-125%	NFG ⁽¹⁾ Method ⁽²⁾	Only used to support MS qualification decisions	NA	No qualifiers assigned based solely on this element.
Laboratory Duplicate	One per matrix per batch (of ≤ 20 samples) RPD ≤ 20% for results ≥ 5x RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if RPD > 20% or if difference > control limit	9	Qualify all samples in batch. QAPP may have overriding precision limits.

**Metals by ICP-MS
(Based on Inorganic NFG 2017 and SW-846 6020B)**

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L) ³	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Serial Dilution	Analyze one sample per matrix at a 5x dilution %D <20% for original sample conc. > 25X LLOQ (RL)	Method ⁽²⁾	J(pos)/UJ(ND) if %D > 20%	16	Note: make sure comparing like units for soils samples Qualify all samples in batch. NFG stil uses 10% D for results >50x MDL
Field Duplicate	Solids: RPD <50% OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Narrate and qualify if required by project (EcoChem PJ) Qualify only field duplicate samples J(pos)/UJ(ND)	9	QAPP may have overriding precision limits.
Compound Quantitation					
Total and Dissolved Comparison	Total > Dissolved	EcoChem standard policy	J (pos)/UJ (ND) if Dissolved > Total and results fall outside of standard duplicate precision criteria	14	
Calibration Range	Results < instrument linear range	NFG ⁽¹⁾ Method ⁽²⁾	if result exceeds linear range and sample was not diluted J (pos)	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	TM-04 EcoChem Policy for Rejection/Selection Process for Multiple Results

¹ National Functional Guidelines for Inorganic Superfund Data Review (2017)

² Method SW846 6020B Inductively Coupled Plasma-Mass Spectrometry (ICP-MS), Revision 2, July 2014.

³ "H" = high bias indicated; "L" = low bias indicated

⁴ SW846, Chapter 3, Inorganic Analytes

(pos): Positive Result

(ND): Not detected

Mercury by CVAA
(Based on Inorganic NFG 2017 and SW846 7470A & 7471B)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler / Storage Temperature Preservation	Solid: Cooler temperature 0-6°C Aqueous: Nitric Acid to pH < 2 Dissolved Metals: 0.45 µm filter, preserve to pH < 2 after filtration	NFG ⁽¹⁾ Method ⁽²⁾	Cooler Temps: If required by project J (pos)/UJ (ND) if greater than 6° C Aqueous: J (pos)/UJ (ND) if pH > 2	1	Use PJ to qualify for temperature outlier. Current SW846 criterion is ≤ 6° C (4) No quals for pH if samples preserved by lab immediately upon receipt and within 1 day of collection.
Holding Time	28 days from date sampled Frozen solids and tissues HT extended to 6 months	NFG ⁽¹⁾ Method ⁽²⁾ EcoChem standard policy	J (pos)/UJ (ND) if HT exceeded	1	
Instrument Performance					
Initial Calibration (ICAL)	Daily Calibration Blank + 5 standards, one ≤ RL Correlation coefficient (r) ≥ 0.995	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if r < 0.995	5A (H,L) ³	
Initial Calibration Verification (ICV)	Independent source analyzed immediately after ICAL %R within ± 15% of true value	NFG ⁽¹⁾ Method ⁽²⁾	R(pos/ND) if %R <70% J(pos)/UJ(ND) if %R = 70-84% J(pos) if %R = > 116%	5A (H,L) ³	Qualify all samples in run
Reporting Limit (RL) Standard	Conc = RL %R = 70-130%	Method ⁽²⁾	J (pos) < 2x RL / R (ND) if %R <50% J (pos) < 2x RL / UJ (ND) if %R 50 - 69% J (pos) < 2x RL if %R > 130%	5A (H,L) ³	Qualify all samples in run
Continuing Calibration Verification (CCV)	At beginning of run, every ten samples, and again after last sample. %R within ± 15% of true value	NFG ⁽¹⁾ Method ⁽²⁾	R(pos/ND) if %R <70% J(pos)/UJ(ND) if %R = 70-84% J(pos) if %R = > 116%	5B (H,L) ³	Qualify samples bracketed by CCV outliers
Blank Contamination					
Method Blank (MB)	One per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG ⁽¹⁾ Method ⁽²⁾	U (pos) if result is < 5X method blank concentration	7	Refer to TM-02 for additional information. Blank Evaluation based on NFG 1994
Instrument Blanks (ICB/CCB)	After each ICV & CCV blank concentration < MDL	NFG ⁽¹⁾ Method ⁽²⁾	Action level is 5x absolute value of blank conc. For positive blanks: U (pos) results < action level For negative blanks: J (pos)/UJ (ND) results < action level	Pos Blanks: 7 Neg Blanks: 7L ³	Use blanks bracketing samples for Qualification Refer to TM-02 for additional information. Hierarchy of blank review: #1 - Review MB, qualify as needed #2 - Review IB, qualify as needed #3 - Review FB, qualify as needed

Mercury by CVAA
(Based on Inorganic NFG 2017 and SW846 7470A & 7471B)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Field Blank (FB)	Blank conc < MDL	EcoChem standard policy	U (pos) if result is < 5x action level, as per analyte.	6	Qualify in associated field samples only. Refer to TM-02 for additional information.
Precision and Accuracy					
Laboratory Control Sample (recovery)	One per matrix per batch (of ≤ 20 samples); LCSD not required %R between 80-120%	Method ⁽²⁾ EcoChem standard policy	J (pos)/R (ND) if %R <50% J (pos)/UJ (ND) if %R 50% - 79% J (pos) if %R > 120%	10 (H,L) ³	No action if only one spike %R is outside criteria. Qualify all samples in batch. QAPP may have overriding accuracy limits.
LCS/LCSD (RPD)	LCSD not required, if analyzed: RPD ≤ 20%	Method ⁽²⁾	J (pos)/UJ (ND) if RPD > 20%	9	Qualify all samples in batch. QAPP may have overriding precision limits.
Matrix Spike/Matrix Spike Duplicate MS/MSD (recovery)	One per matrix per batch (of ≤ 20 samples); MSD not required %R between 75-125%	NFG ⁽¹⁾ Method ⁽²⁾ EcoChem standard policy	J (pos) if %R > 125% J (pos)/UJ (ND) if %R <75% J (pos)/R (ND) if %R < 30%	8 (H,L) ³	No action if only one spike %R is outside criteria. NA if parent concentration >4x the amount spiked. Qualify all samples in batch. QAPP may have overriding accuracy limits.
MS/MSD (RPD)	MSD not required, if analyzed: RPD ≤ 20%	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if RPD > 20%	9	QAPP may have overriding precision limits.
Laboratory Duplicate	One per matrix per batch (of ≤ 20 samples) RPD ≤ 20% for results ≥ 5x RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if RPD > 20% or if difference > control limit	9	Qualify all samples in batch. QAPP may have overriding precision limits.
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L) ³	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits

**Mercury by CVAA
(Based on Inorganic NFG 2017 and SW846 7470A & 7471B)**

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Field Duplicate	Solids: RPD <50% (for results ≥ 5x RL) OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% (for results ≥ 5x RL) OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Qualify only parent and field duplicate samples J (pos)/UJ (ND)	9	QAPP may have overriding precision limits. Client/QAPP may not require qualification based on field precision.
Compound Quantitation					
Total and Dissolved Comparison	Total > Dissolved	EcoChem standard policy	J (pos)/UJ (ND) if Dissolved > Total and results fall outside of standard duplicate precision criteria	14	
Calibration Range	Results < instrument linear range	NFG ⁽¹⁾ Method ⁽²⁾	if result exceeds linear range and sample was not diluted J (pos)	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	TM-04 EcoChem Policy for Rejection/Selection Process for Multiple Results

¹ National Functional Guidelines for Inorganic Superfund Data Review, January 2017.

(pos): Positive Result

² Method SW846 7470A Mercury in Liquid Waste (Manual Cold-Vapor Technique), Revision 1, September 1994.

(ND): Not Detected

Method SW846 7471B Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique), Revision 2, February 2007.

³ "H" = high bias indicated; "L" = low bias indicated

⁴ SW846, Chapter 3, Inorganic Analytes

DATA VALIDATION CRITERIA

Conventional Methods with Instrument Calibrations (e.g., Ion Chromatography, Total Organic Carbon) (Based on Inorganic NFG 2017 and EPA methods)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	Cooler temperature: 0-6°C Preservation: Analyte/Method Specific	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if preservation requirements not met	1	Use PJ to qualify for cooler temp outliers.
Holding Time	Analyte/Method Specific	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if holding time exceeded	1	
Instrument Performance					
Initial Calibration (ICAL)	blank + multiple standards as per method requirements $r \geq 0.995$	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) for $r < 0.995$	5A	
Initial Calibration Verification (ICV)	Independent source analyzed immediately after calibration %R method specific	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if %R < lower control limit (LCL) J (pos) if %R > upper control limit (UCL)	5A (H,L) ³	Qualify all samples in run
Continuing Calibration Verification (CCV)	immediately following ICV, every 10 samples, and end of run %R method specific	NFG ⁽¹⁾ Method ⁽²⁾	J(pos)/UJ(ND) if %R < LCL J(pos) if %R > UCL	5B (H,L) ³	Qualify samples bracketed by CCV outliers
Blank Contamination					
Method Blank (MB)	One per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG ⁽¹⁾ Method ⁽²⁾	U (pos) if result is < 5X method blank concentration	7	Refer to TM-02 for additional information. Blank Evaluation based on NFG 1994
Instrument Blanks (ICB/CCB)	After each ICV & CCV blank concentration < MDL	NFG ⁽¹⁾ Method ⁽²⁾	Action level is 5x absolute value of blank conc. For positive blanks: U (pos) results < action level For negative blanks: J (pos)/UJ (ND) results < action level	Pos Blanks: 7 Neg Blanks: 7L ³	Use blanks bracketing samples for Qualification Refer to TM-02 for additional information. Hierarchy of blank review: #1 - Review MB, qualify as needed #2 - Review IB, qualify as needed #3 - Review FB, qualify as needed
Field Blank (FB)	Blank conc < MDL	EcoChem standard policy	U (pos) if result is < 5x action level, as per analyte.	6	Qualify in associated field samples only. Refer to TM-02 for additional information.
Precision and Accuracy					
Laboratory Control Sample (LCS)	One per matrix per batch (of ≤ 20 samples) %R within Method control limits (or Laboratory control limits if none specified in method)	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if %R < LCL J (pos) if %R > UCL	10 (H,L) ³	Qualify all samples in batch QAPP may have overriding accuracy limits.

Conventional Methods with Instrument Calibrations (e.g., Ion Chromatography, Total Organic Carbon)
(Based on Inorganic NFG 2017 and EPA methods)

QC Element	Acceptance Criteria	Source of Criteria	Action for Non-Conformance	Reason Code	Discussion and Comments
Reference Materials (RM, CRM, SRM)	Result $\pm 20\%$ of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L) ³	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Matrix Spike/ Matrix Spike Duplicate (MS/MSD)	Where applicable to method; MSD may not be required One per matrix per batch (of ≤ 20 samples) For samples <4x spike level, %R within method control limits (or Laboratory control limits if none specified in method)	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if %R < LCL J (pos) if %R > UCL	8 (H,L)3	Qualify all samples in batch No action if native analyte concentration $\geq 4x$ spike added. Qualify all samples in batch. QAPP may have overriding accuracy limits.
Laboratory Duplicate (or MS/MSD)	One per matrix per batch (of ≤ 20 samples) RPD $\leq 20\%$ for results $\geq 5x$ RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if RPD > 20% or if difference > control limit	9	Qualify all samples in batch. QAPP may have overriding precision limits.
Field Duplicate	Solids: RPD <50% (for results $\geq 5x$ RL) OR difference < 2X RL (for results < 5X RL) Aqueous: RPD <35% (for results $\geq 5x$ RL) OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Qualify only parent and field duplicate samples J (pos)/UJ (ND)	9	QAPP may have overriding precision limits. Client/QAPP may not require qualification based on field precision.
Compound Quantitation					
Linear Range	Sample concentrations less than highest calibration standard	NFG ⁽¹⁾ Method ⁽²⁾	If result exceeds linear range & sample was not diluted J (pos)	20	
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	TM-04 EcoChem Policy for Rejection/Selection Process for Multiple Results

¹ National Functional Guidelines for Inorganic Superfund Data Review, January 2017.

² SW846 or EPA Standard Methods

³ "H" = high bias indicated; "L" = low bias indicated

(pos): Positive Result

(ND): Not Detected

DATA VALIDATION CRITERIA

Conventional Methods by Gravimetric Analysis (e.g., Total Solids, Total Dissolved Solids, Total Suspended Solids, Grain Size) (Based on Inorganic NFG 2017 and EPA methods)

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Sample Handling					
Cooler/Storage Temperature Preservation	Cooler temperature: 4°C±2°C Preservation: Analyte/Method Specific	Method ⁽¹⁾ NFG ⁽²⁾	J (pos)/UJ (ND) if preservation requirements not met	1	Use PJ to qualify for cooler temp outliers.
Holding Time	Analyte/Method Specific	Method NFG ⁽²⁾	J (pos)/UJ (ND) if holding time exceeded	1	
Blank Contamination					
Method Blank (MB)	If required by method, one per matrix per batch of (of ≤ 20 samples) Blank conc < MDL	NFG ⁽¹⁾ Method ⁽²⁾	U (pos) if result is < 5X method blank concentration	7	Refer to TM-02 for additional information. Blank Evaluation based on NFG 1994
Precision and Accuracy					
LCS (If appropriate to method)	One per matrix per batch (of ≤ 20 samples) %R between 80-120%	Method ⁽²⁾	J (pos)/R (ND) if %R < 50% J (pos)/UJ (ND) if %R 50% - 79% J (pos) if %R > 120%	10 (H,L) ³	Qualify all samples in batch QAPP may have overriding accuracy limits.
Reference Material (RM, SRM, or CRM)	Result ±20% of the 95% confidence interval of the true value for analytes	EcoChem standard policy	J (pos)/UJ (ND) if < LCL J (pos) if > UCL	12 (H,L) ³	QAPP may have overriding accuracy limits. Some manufacturers may have different RM control limits
Laboratory Duplicate	One per matrix per batch (of ≤ 20 samples) RPD ≤ 20% for results ≥ 5x RL Solids: difference < 2X RL for results < 5X RL Aqueous: difference < 1X RL for results < 5X RL	NFG ⁽¹⁾ Method ⁽²⁾	J (pos)/UJ (ND) if RPD > 20% For Grain Size, no action if results for fraction are less than 5%	9	Qualify all samples in batch, except Grain Size - qualify parent only. QAPP may have overriding precision limits.
Field Duplicate	Solids: RPD < 50% (for results ≥ 5x RL) OR difference < 2X RL (for results < 5X RL) Aqueous: RPD < 35% (for results ≥ 5x RL) OR difference < 1X RL (for results < 5X RL)	EcoChem standard policy	Qualify only parent and field duplicate samples J (pos)/UJ (ND)	9	QAPP may have overriding precision limits. Client/QAPP may not require qualification based on field precision.

**Conventional Methods by Gravimetric Analysis (e.g., Total Solids, Total Dissolved Solids, Total Suspended Solids, Grain Size)
(Based on Inorganic NFG 2017 and EPA methods)**

QC Element	EcoChem Acceptance Criteria	Source of Criteria	EcoChem Action for Non-Conformance	Reason Code	Discussion and Comments
Compound Quantitation					
Dilutions, Re-extractions and/or Reanalyses	Report only one result per analyte per sample	EcoChem standard policy	Use "DNR" to flag results that will not be reported.	11	

¹ National Functional Guidelines for Inorganic Superfund Data Review, January 2017.

² SW846 or EPA Standard Methods

³ "H" = high bias indicated; "L" = low bias indicated

(pos): Positive Result

(ND): Not Detected



APPENDIX B

QUALIFIED DATA SUMMARY TABLE

Qualified Data Summary Table
LDW AOC5 MR Phase 1

SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0198	LDW23-SS1253	22L0198-01	EPA 8082A	Aroclor-1260	63	ug/kg		J	5BH
22L0198	LDW23-SS1254	22L0198-02	EPA 8082A	Aroclor-1260	52.9	ug/kg		J	5BH
22L0198	LDW23-SS1255	22L0198-03	EPA 8082A	Aroclor-1260	54.9	ug/kg		J	5BH
22L0198	LDW23-SS1257	22L0198-04	EPA 8082A	Aroclor-1260	64.1	ug/kg		J	5BH
22L0198	LDW23-SS1258	22L0198-05	EPA 8082A	Aroclor-1260	66.9	ug/kg		J	5BH
22L0198	LDW23-SS1259	22L0198-06	EPA 8082A	Aroclor-1260	59.4	ug/kg		J	5BH
22L0198	LDW23-SS1262	22L0198-07	EPA 8082A	Aroclor-1260	60.1	ug/kg		J	5BH
22L0198	LDW23-SS1260	22L0198-08	EPA 8082A	Aroclor-1260	65.6	ug/kg		J	5BH
22L0198	LDW23-SS1263	22L0198-09	EPA 8082A	Aroclor-1260	57.1	ug/kg		J	5BH
22L0198	LDW23-SS1245	22L0198-10	EPA 8082A	Aroclor-1260	34.5	ug/kg		J	5BH
22L0383	LDW23-SC1177C	22L0383-01	EPA 6020	Silver	0.23	mg/kg	J D	J	9
22L0383	LDW23-SC1177C	22L0383-01	EPA 7471B	Mercury	0.143	mg/kg		J	9
22L0383	LDW23-SC1177C	22L0383-01	EPA 8270E	Phenol	16.9	ug/kg	J	U	7
22L0383	LDW23-SC1177C	22L0383-01	EPA 8270E-SIM	1,2-Dichlorobenzene	0.8	ug/kg	J	U	7
22L0383	LDW23-SC1177C	22L0383-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.6	ug/kg	J	U	7
22L0383	LDW23-SC1177C	22L0383-01	EPA 8270E-SIM	2,4-Dimethylphenol	3	ug/kg	J	J	5CL,9,10L
22L0383	LDW23-SC1177C	22L0383-01	EPA 8270E-SIM	Benzoic acid	61.1	ug/kg	J	J	5CL,5BL
22L0383	LDW23-SC1177C	22L0383-01	EPA 8270E-SIM	Benzyl alcohol	6.3	ug/kg	J	J	5BL
22L0383	LDW23-SC1177C	22L0383-01	EPA 8270E-SIM	Pentachlorophenol	3.1	ug/kg	J	UJ	5BL,7
22L0383	LDW23-SC1150C	22L0383-02	EPA 6020	Silver	0.84	mg/kg	D	J	9
22L0383	LDW23-SC1150C	22L0383-02	EPA 7471B	Mercury	0.137	mg/kg		J	9
22L0383	LDW23-SC1150C	22L0383-02	EPA 8270E-SIM	1,2-Dichlorobenzene	2.1	ug/kg	J	U	7
22L0383	LDW23-SC1150C	22L0383-02	EPA 8270E-SIM	1,4-Dichlorobenzene	3.3	ug/kg	J	U	7
22L0383	LDW23-SC1150C	22L0383-02	EPA 8270E-SIM	2,4-Dimethylphenol	2.5	ug/kg	J	J	5CL,9,10L
22L0383	LDW23-SC1150C	22L0383-02	EPA 8270E-SIM	Benzoic acid	20.9	ug/kg	J	J	5CL,5BL
22L0383	LDW23-SC1150C	22L0383-02	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
22L0383	LDW23-SC1150C	22L0383-02	EPA 8270E-SIM	Pentachlorophenol	3.8	ug/kg	J	UJ	5BL,7
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 6020	Silver	0.58	mg/kg	J D	J	9
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 7471B	Mercury	0.183	mg/kg		J	9
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 8082A	Aroclor-1260	141	ug/kg		J	8L
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 8270E	Phenol	11.5	ug/kg	J	U	7

Qualified Data Summary Table
LDW AOC5 MR Phase 1

SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 8270E-SIM	1,2-Dichlorobenzene	1.3	ug/kg	J	U	7
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 8270E-SIM	1,4-Dichlorobenzene	2	ug/kg	J	U	7
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 8270E-SIM	Benzoic acid	16.9	ug/kg	J	J	5CL,5BL
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
22L0383	LDW23-SC1150C-FD	22L0383-03	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	UJ	5BL,7
22L0383	LDW23-SC1137C	22L0383-04	EPA 6020	Silver	0.45	mg/kg	J D	J	9
22L0383	LDW23-SC1137C	22L0383-04	EPA 7471B	Mercury	0.185	mg/kg		J	9
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E	Benzo(a)anthracene	87.8	ug/kg		DNR	19
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E	Bis(2-ethylhexyl)phthalate	227	ug/kg		DNR	19
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E	Butyl benzyl phthalate	22.6	ug/kg		DNR	19
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E	Chrysene	137	ug/kg		DNR	19
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E	Fluoranthene	251	ug/kg		DNR	19
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E	Phenol	10.1	ug/kg	J	U	7
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E	Pyrene	355	ug/kg		DNR	19
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	4-Methylphenol	50.9	ug/kg	J D	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Anthracene	31.4	ug/kg	J D	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Benzo(a)pyrene	144	ug/kg	D	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Benzo(g,h,i)perylene	80.9	ug/kg	D	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11

**Qualified Data Summary Table
LDW AOC5 MR Phase 1**

SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Fluoranthene	276	ug/kg	D	J	5BH
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	72.8	ug/kg	J D	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Phenanthrene	97.5	ug/kg	D	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Pyrene	393	ug/kg	D	J	5BH
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E	Total benzofluoranthenes	268	ug/kg	D	DNR	11
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E-SIM	1,2-Dichlorobenzene	1.2	ug/kg	J	U	7
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E-SIM	1,4-Dichlorobenzene	3.5	ug/kg	J	U	7
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0383	LDW23-SC1137C	22L0383-04RE1	EPA 8270E-SIM	Benzyl alcohol	13.5	ug/kg	J	J	5BL
22L0383	LDW23-SC1156C	22L0383-05	EPA 6020	Silver	0.32	mg/kg	J D	J	9
22L0383	LDW23-SC1156C	22L0383-05	EPA 7471B	Mercury	0.127	mg/kg		J	9
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Benzo(a)anthracene	30.2	ug/kg		DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Benzo(a)pyrene	33.7	ug/kg		DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Bis(2-ethylhexyl)phthalate	41.7	ug/kg	J	DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Chrysene	37	ug/kg		DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Fluoranthene	107	ug/kg		DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Pyrene	91.8	ug/kg		DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E	Total benzofluoranthenes	57.4	ug/kg		DNR	19
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11

Qualified Data Summary Table
LDW AOC5 MR Phase 1

SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Fluoranthene	122	ug/kg	D	J	5BH
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Phenanthrene	41.7	ug/kg	J D	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E	Pyrene	119	ug/kg	D	J	5BH
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E-SIM	1,2-Dichlorobenzene	1.3	ug/kg	J	U	7
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0383	LDW23-SC1156C	22L0383-05RE1	EPA 8270E-SIM	Benzyl alcohol	4.4	ug/kg	J	J	5BL
22L0383	LDW23-SC1191B	22L0383-06	EPA 1613B	1,2,3,4,6,7,8-HpCDD	142	ng/kg	B	J	9
22L0383	LDW23-SC1191B	22L0383-06	EPA 1613B	1,2,3,6,7,8-HxCDD	5.13	ng/kg		J	9
22L0383	LDW23-SC1191B	22L0383-06	EPA 1613B	1,2,3,7,8,9-HxCDF	0.57	ng/kg	EMPC J B	U	25
22L0383	LDW23-SC1191B	22L0383-06	EPA 1613B	2,3,4,7,8-PeCDF	0.926	ng/kg	EMPC J	U	25
22L0383	LDW23-SC1191B	22L0383-06	EPA 1613B	OCDD	1250	ng/kg	B	J	9
22L0383	LDW23-SC1191B	22L0383-06	EPA 1613B	Total HpCDD	354	ng/kg		J	9
22L0383	LDW23-SC1191B	22L0383-06	EPA 1613B	Total PeCDF	10.1	ng/kg		J	9
22L0383	LDW23-SC1191B	22L0383-06	EPA 1613B	Total TCDF	6.26	ng/kg		J	9
22L0383	LDW23-SC1191B	22L0383-06	EPA 6020	Silver	0.28	mg/kg	J D	J	9
22L0383	LDW23-SC1191B	22L0383-06	EPA 7471B	Mercury	0.137	mg/kg		J	9

Qualified Data Summary Table
LDW AOC5 MR Phase 1

SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Benzo(a)anthracene	91.7	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Benzo(a)pyrene	128	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Benzo(g,h,i)perylene	55.9	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Bis(2-ethylhexyl)phthalate	105	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Butyl benzyl phthalate	18.4	ug/kg	J	DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Chrysene	118	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Fluoranthene	274	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	60.4	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Phenol	11.5	ug/kg	J	U	7
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Pyrene	396	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E	Total benzofluoranthenes	266	ug/kg		DNR	19
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	4-Methylphenol	69.5	ug/kg	J D	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Fluoranthene	294	ug/kg	D	J	5BH
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Phenanthrene	72.7	ug/kg	J D	DNR	11

**Qualified Data Summary Table
LDW AOC5 MR Phase 1**

SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E	Pyrene	418	ug/kg	D	J	5BH
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E-SIM	1,2-Dichlorobenzene	0.7	ug/kg	J	U	7
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E-SIM	1,4-Dichlorobenzene	2.4	ug/kg	J	U	7
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0383	LDW23-SC1191B	22L0383-06RE1	EPA 8270E-SIM	Benzyl alcohol	10.8	ug/kg	J	J	5BL
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 1613B	1,2,3,4,7,8,9-HpCDF	2	ng/kg	EMPC	J	25
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 1613B	1,2,3,7,8,9-HxCDF	0.725	ng/kg	EMPC J B	U	25
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 1613B	1,2,3,7,8-PeCDD	1.4	ng/kg	EMPC B	J	25
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 1613B	2,3,7,8-TCDD	0.496	ng/kg	EMPC J	U	25
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 1613B	2,3,7,8-TCDF	0.83	ng/kg	X J	J	23H
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 6020	Silver	0.28	mg/kg	J D	J	9
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 7471B	Mercury	0.111	mg/kg		J	9
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Benzo(a)anthracene	52.6	ug/kg		DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Benzo(a)pyrene	86.6	ug/kg		DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Bis(2-ethylhexyl)phthalate	160	ug/kg		DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Butyl benzyl phthalate	20.7	ug/kg		DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Chrysene	78.8	ug/kg		DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Fluoranthene	155	ug/kg		DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Pyrene	230	ug/kg		DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E	Total benzofluoranthenes	173	ug/kg		DNR	19
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0383	LDW23-SC1191B-FD	22L0383-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Fluoranthene	174	ug/kg	Q D	J	5BH
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Phenanthrene	63.1	ug/kg	J D	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E	Pyrene	272	ug/kg	Q D	J	5BH
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0383	LDW23-SC1191B-FD	22L0383-07RE1	EPA 8270E-SIM	Benzyl alcohol	6.6	ug/kg	J	J	5BL
22L0383	LDW23-SC1183D	22L0383-08	EPA 6020	Silver	0.24	mg/kg	J D	J	9
22L0383	LDW23-SC1183D	22L0383-08	EPA 7471B	Mercury	0.151	mg/kg		J	9
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Benzo(a)anthracene	63.6	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Benzo(a)pyrene	90.5	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Benzo(g,h,i)perylene	44.5	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Bis(2-ethylhexyl)phthalate	97.6	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Butyl benzyl phthalate	21.6	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Chrysene	124	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Fluoranthene	202	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	44.9	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Phenol	9.5	ug/kg	J	U	7
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Pyrene	259	ug/kg		DNR	19
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E	Total benzofluoranthenes	189	ug/kg		DNR	19

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Fluoranthene	207	ug/kg	Q D	J	5BH
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Phenanthrene	55.1	ug/kg	J D	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E	Pyrene	289	ug/kg	Q D	J	5BH
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E-SIM	1,4-Dichlorobenzene	1.2	ug/kg	J	U	7
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0383	LDW23-SC1183D	22L0383-08RE1	EPA 8270E-SIM	Benzyl alcohol	13.1	ug/kg	J	J	5BL
22L0383	LDW23-SC1177CDUP2	BKL0495-DUP2	EPA 6020	Silver	0.21	mg/kg	J D	J	9
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	1,2,3,4,6,7,8-HpCDD	222	ng/kg	* B	J	9
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	1,2,3,6,7,8-HxCDD	6.66	ng/kg	*	J	9
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	1,2,3,7,8,9-HxCDD	4.04	ng/kg	EMPC B	J	25
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	1,2,3,7,8-PeCDD	1.36	ng/kg	EMPC B	J	25
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	2,3,4,6,7,8-HxCDF	1.86	ng/kg	EMPC B	J	25
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	2,3,7,8-TCDF	0.689	ng/kg	X J	J	23H

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	OCDD	1880	ng/kg	* B	J	9
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	Total HpCDD	484	ng/kg		J	9
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	Total PeCDF	17.6	ng/kg		J	9
22L0383	LDW23-SC1191BDUP1	BLA0079-DUP1	EPA 1613B	Total TCDF	8.2	ng/kg		J	9
22L0383	LDW23-SC1177CDUP1	BLA0107-DUP1	EPA 7471B	Mercury	0.156	mg/kg		J	9
22L0417	LDW23-SC1064C	22L0417-01	EPA 1613B	2,3,7,8-TCDD	1.31	ng/kg	EMPC	J	25
22L0417	LDW23-SC1064C	22L0417-01	EPA 1613B	2,3,7,8-TCDF	1.75	ng/kg	X	J	23H
22L0417	LDW23-SC1064C	22L0417-01	EPA 1613B	OCDD	5000	ng/kg	E B	J	20
22L0417	LDW23-SC1064C	22L0417-01	EPA 6020	Silver	0.92	mg/kg	D	J	9
22L0417	LDW23-SC1064C	22L0417-01	EPA 7471B	Mercury	0.411	mg/kg		J	9
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	5CL
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E	Fluoranthene	263	ug/kg	Q	J	5BH
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E	Pyrene	276	ug/kg	Q	J	5BH
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E-SIM	1,2-Dichlorobenzene	1.3	ug/kg	J	U	7
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E-SIM	1,4-Dichlorobenzene	3	ug/kg	J	U	7
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E-SIM	Benzoic acid	15.3	ug/kg	J	J	5CL,5BL
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
22L0417	LDW23-SC1064C	22L0417-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
22L0417	LDW23-SC1065C	22L0417-02	EPA 1613B	2,3,7,8-TCDD	0.69	ng/kg	EMPC J	U	25
22L0417	LDW23-SC1065C	22L0417-02	EPA 1613B	2,3,7,8-TCDF	2.29	ng/kg	X	J	23H
22L0417	LDW23-SC1065C	22L0417-02	EPA 1613B	OCDD	4400	ng/kg	E B	J	20
22L0417	LDW23-SC1065C	22L0417-02	EPA 6020	Silver	0.65	mg/kg	J D	J	9
22L0417	LDW23-SC1065C	22L0417-02	EPA 7471B	Mercury	0.192	mg/kg		J	9
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	5CL
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E	Fluoranthene	56.7	ug/kg	Q	J	5BH
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E	Phenol	8.2	ug/kg	J	U	7
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E	Pyrene	49.3	ug/kg	Q	J	5BH
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	U	7
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E-SIM	Benzoic acid	26.6	ug/kg	J	J	5CL,5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E-SIM	Benzyl alcohol	15.5	ug/kg	J	J	5BL
22L0417	LDW23-SC1065C	22L0417-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
22L0417	LDW23-SC1060D	22L0417-03	EPA 1613B	2,3,7,8-TCDD	0.627	ng/kg	EMPC J	U	25
22L0417	LDW23-SC1060D	22L0417-03	EPA 1613B	2,3,7,8-TCDF	1.73	ng/kg	X	J	23H
22L0417	LDW23-SC1060D	22L0417-03	EPA 6020	Silver	0.5	mg/kg	J D	J	9
22L0417	LDW23-SC1060D	22L0417-03	EPA 7471B	Mercury	0.206	mg/kg		J	9
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E	4-Methylphenol	12.1	ug/kg	J	J	5CL
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E	Fluoranthene	367	ug/kg	Q	J	5BH
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E	Pyrene	527	ug/kg	Q	J	5BH
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E-SIM	1,2-Dichlorobenzene	1.6	ug/kg	J	U	7
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E-SIM	1,4-Dichlorobenzene	3.4	ug/kg	J	U	7
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E-SIM	2,4-Dimethylphenol	2.4	ug/kg	J	J	5CL,9,10L
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E-SIM	Benzoic acid	18.7	ug/kg	J	J	5CL,5BL
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E-SIM	Benzyl alcohol	15.1	ug/kg	J	J	5BL
22L0417	LDW23-SC1060D	22L0417-03	EPA 8270E-SIM	Pentachlorophenol	3.3	ug/kg	J	UJ	5BL,7
22L0417	LDW23-SC1059C	22L0417-04	EPA 1613B	1,2,3,7,8-PeCDF	1.43	ng/kg	EMPC	J	25
22L0417	LDW23-SC1059C	22L0417-04	EPA 1613B	2,3,4,6,7,8-HxCDF	2.51	ng/kg	EMPC B	J	25
22L0417	LDW23-SC1059C	22L0417-04	EPA 1613B	2,3,7,8-TCDF	1.58	ng/kg	X	J	23H
22L0417	LDW23-SC1059C	22L0417-04	EPA 1613B	OCDD	5080	ng/kg	E B	J	20
22L0417	LDW23-SC1059C	22L0417-04	EPA 6020	Silver	0.44	mg/kg	J D	J	9
22L0417	LDW23-SC1059C	22L0417-04	EPA 7471B	Mercury	0.142	mg/kg		J	9
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E	4-Methylphenol	26.8	ug/kg		J	5CL
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E	Fluoranthene	229	ug/kg	Q	J	5BH
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E	Phenol	8.2	ug/kg	J	U	7
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E	Pyrene	325	ug/kg	Q	J	5BH
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E-SIM	1,2-Dichlorobenzene	0.7	ug/kg	J	U	7
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E-SIM	1,4-Dichlorobenzene	2.9	ug/kg	J	U	7
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E-SIM	Benzyl alcohol	11.3	ug/kg	J	J	5BL
22L0417	LDW23-SC1059C	22L0417-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0417	LDW23-SC1047C	22L0417-05	EPA 6020	Silver	0.48	mg/kg	J D	J	9
22L0417	LDW23-SC1047C	22L0417-05	EPA 7471B	Mercury	0.257	mg/kg		J	9
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	5CL
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E	Fluoranthene	353	ug/kg	Q	J	5BH
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E	Phenol	11.8	ug/kg	J	U	7
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E	Pyrene	564	ug/kg	Q	J	5BH
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E-SIM	1,2-Dichlorobenzene	1.4	ug/kg	J	U	7
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E-SIM	1,4-Dichlorobenzene	3.3	ug/kg	J	U	7
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E-SIM	Benzoic acid	23.5	ug/kg	J	J	5CL,5BL
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E-SIM	Benzyl alcohol	14	ug/kg	J	J	5BL
22L0417	LDW23-SC1047C	22L0417-05	EPA 8270E-SIM	Pentachlorophenol	3.2	ug/kg	J	UJ	5BL,7
22L0417	LDW23-SC1046C	22L0417-06	EPA 1613B	2,3,7,8-TCDD	0.476	ng/kg	EMPC J	U	25
22L0417	LDW23-SC1046C	22L0417-06	EPA 1613B	2,3,7,8-TCDF	0.903	ng/kg	X J	J	23H
22L0417	LDW23-SC1046C	22L0417-06	EPA 6020	Silver	0.34	mg/kg	J D	J	9
22L0417	LDW23-SC1046C	22L0417-06	EPA 7471B	Mercury	0.163	mg/kg		J	9
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E	4-Methylphenol	9.6	ug/kg	J	J	5CL
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E	Fluoranthene	156	ug/kg	Q	J	5BH
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E	Phenol	5.4	ug/kg	J	U	7
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E	Pyrene	171	ug/kg	Q	J	5BH
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E-SIM	1,4-Dichlorobenzene	2.8	ug/kg	J	U	7
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E-SIM	Benzyl alcohol	9.6	ug/kg	J	J	5BL
22L0417	LDW23-SC1046C	22L0417-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
22L0417	LDW23-SC1143C	22L0417-07	EPA 1613B	2,3,4,6,7,8-HxCDF	1.23	ng/kg	EMPC B	J	25
22L0417	LDW23-SC1143C	22L0417-07	EPA 1613B	2,3,7,8-TCDF	1.09	ng/kg	X	J	23H
22L0417	LDW23-SC1143C	22L0417-07	EPA 1613B	OCDD	5920	ng/kg	E B	J	20
22L0417	LDW23-SC1143C	22L0417-07	EPA 6020	Silver	0.45	mg/kg	J D	J	9
22L0417	LDW23-SC1143C	22L0417-07	EPA 7471B	Mercury	0.19	mg/kg		J	9
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E	4-Methylphenol	23.9	ug/kg		J	5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E	Fluoranthene	277	ug/kg	Q	J	5BH
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E	Phenol	9.6	ug/kg	J	U	7
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E	Pyrene	523	ug/kg	Q	J	5BH
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E-SIM	1,2-Dichlorobenzene	1.2	ug/kg	J	U	7
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E-SIM	1,4-Dichlorobenzene	2.9	ug/kg	J	U	7
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E-SIM	Benzyl alcohol	10.3	ug/kg	J	J	5BL
22L0417	LDW23-SC1143C	22L0417-07	EPA 8270E-SIM	Pentachlorophenol	2.8	ug/kg	J	UJ	5BL,7
22L0417	LDW23-SC1130B	22L0417-08	EPA 6020	Silver	0.42	mg/kg	J D	J	9
22L0417	LDW23-SC1130B	22L0417-08	EPA 7471B	Mercury	0.424	mg/kg		J	9
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E	4-Methylphenol	28.8	ug/kg		J	5CL
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E	Fluoranthene	135	ug/kg	Q	J	5BH
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E	Phenol	21.3	ug/kg		U	7
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E	Pyrene	200	ug/kg	Q	J	5BH
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E-SIM	1,2-Dichlorobenzene	0.9	ug/kg	J	U	7
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E-SIM	1,4-Dichlorobenzene	2.5	ug/kg	J	U	7
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E-SIM	Benzyl alcohol	9.6	ug/kg	J	J	5BL
22L0417	LDW23-SC1130B	22L0417-08	EPA 8270E-SIM	Pentachlorophenol	2.8	ug/kg	J	UJ	5BL,7
22L0417	LDW23-SC1199B	22L0417-09	EPA 6020	Silver	0.22	mg/kg	J D	J	9
22L0417	LDW23-SC1199B	22L0417-09	EPA 7471B	Mercury	0.119	mg/kg		J	9
22L0417	LDW23-SC1199B	22L0417-09	EPA 8270E	4-Methylphenol	47.3	ug/kg		J	5CL
22L0417	LDW23-SC1199B	22L0417-09	EPA 8270E	Fluoranthene	206	ug/kg	Q	J	5BH
22L0417	LDW23-SC1199B	22L0417-09	EPA 8270E	Pyrene	267	ug/kg	Q	J	5BH
22L0417	LDW23-SC1199B	22L0417-09	EPA 8270E-SIM	1,4-Dichlorobenzene	1.2	ug/kg	J	U	7
22L0417	LDW23-SC1199B	22L0417-09	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,10L
22L0417	LDW23-SC1199B	22L0417-09	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
22L0417	LDW23-SC1199B	22L0417-09	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
22L0417	LDW23-SC1199B	22L0417-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	2-Methylnaphthalene	21.5	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	4-Methylphenol	84	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Acenaphthene	11.8	ug/kg	J	J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Anthracene	34.7	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Benzo(a)anthracene	103	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Benzo(a)pyrene	184	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Benzo(g,h,i)perylene	117	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	511	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Butyl benzyl phthalate	45.2	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Chrysene	139	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Dibenzo(a,h)anthracene	30.3	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Dibenzofuran	14.8	ug/kg	J	J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Dimethyl phthalate	12.9	ug/kg	J	J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Fluoranthene	320	ug/kg		J	5BH,9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	98.2	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Naphthalene	28.4	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Phenanthrene	93.4	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Phenol	16	ug/kg	J	J	5BL,9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Pyrene	786	ug/kg		J	5BH,9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E	Total benzofluoranthenes	484	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E-SIM	1,2-Dichlorobenzene	2.6	ug/kg	J	J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E-SIM	1,4-Dichlorobenzene	6.6	ug/kg		J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E-SIM	2,4-Dimethylphenol	6.9	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E-SIM	Benzoic acid	116	ug/kg		J	5CL,9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E-SIM	Benzyl alcohol	50.8	ug/kg		J	5BH,9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.9	ug/kg	J	J	9
22L0459	LDW23-SC1123B	22L0459-01	EPA 8270E-SIM	Pentachlorophenol	14.8	ug/kg	J	J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 1613B	1,2,3,7,8-PeCDD	1.19	ng/kg	EMPC B	J	25
22L0459	LDW23-SC1053C	22L0459-02	EPA 1613B	1,2,3,7,8-PeCDF	0.611	ng/kg	EMPC J	U	25
22L0459	LDW23-SC1053C	22L0459-02	EPA 1613B	2,3,4,6,7,8-HxCDF	0.944	ng/kg	EMPC J B	U	25
22L0459	LDW23-SC1053C	22L0459-02	EPA 1613B	2,3,7,8-TCDD	0.518	ng/kg	EMPC J	U	25

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0459	LDW23-SC1053C	22L0459-02	EPA 1613B	2,3,7,8-TCDF	0.859	ng/kg	X J	J	23H
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	2-Methylnaphthalene	17.8	ug/kg	J	J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	4-Methylphenol	22.5	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Acenaphthene	22.3	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Acenaphthylene	19.2	ug/kg	J	J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Anthracene	216	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Benzo(a)anthracene	573	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Benzo(a)pyrene	434	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Benzo(g,h,i)perylene	183	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Bis(2-ethylhexyl)phthalate	190	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Butyl benzyl phthalate	50.7	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Chrysene	1080	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Dibenzo(a,h)anthracene	55.9	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Dibenzofuran	21.8	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Dimethyl phthalate	9	ug/kg	J	J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Fluoranthene	824	ug/kg		J	5BH,9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Fluorene	29.3	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	168	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Naphthalene	23.6	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Phenanthrene	190	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Phenol	24.2	ug/kg		J	5BL,9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Pyrene	858	ug/kg		J	5BH,9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E	Total benzofluoranthenes	1210	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E-SIM	1,2-Dichlorobenzene	1.5	ug/kg	J	J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E-SIM	1,4-Dichlorobenzene	3.5	ug/kg	J	U	7
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E-SIM	2,4-Dimethylphenol	6.9	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E-SIM	Benzoic acid	110	ug/kg		J	5CL,9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E-SIM	Benzyl alcohol	44.2	ug/kg		J	5BH,9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E-SIM	n-Nitrosodiphenylamine	5.1	ug/kg		J	9
22L0459	LDW23-SC1053C	22L0459-02	EPA 8270E-SIM	Pentachlorophenol	8.7	ug/kg	J	J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	2-Methylnaphthalene	21.5	ug/kg		J	9

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	4-Methylphenol	38.2	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Acenaphthene	18.3	ug/kg	J	J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Acenaphthylene	12.5	ug/kg	J	J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Anthracene	72.7	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Benzo(a)anthracene	210	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Benzo(a)pyrene	270	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Benzo(g,h,i)perylene	149	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Bis(2-ethylhexyl)phthalate	478	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Butyl benzyl phthalate	23.4	ug/kg	M	J	9,14
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Chrysene	299	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Dibenzo(a,h)anthracene	39.1	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Dibenzofuran	18.7	ug/kg	J	J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Fluoranthene	539	ug/kg		J	5BH,9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Fluorene	23	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	131	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Naphthalene	25	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Phenanthrene	189	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Phenol	15.7	ug/kg	J	J	5BL,9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Pyrene	755	ug/kg		J	5BH,9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E	Total benzofluoranthenes	720	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E-SIM	1,2-Dichlorobenzene	2.4	ug/kg	J	J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E-SIM	1,4-Dichlorobenzene	5.6	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E-SIM	2,4-Dimethylphenol	5.4	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E-SIM	Benzoic acid	91	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E-SIM	Benzyl alcohol	41.6	ug/kg		J	5BH,9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E-SIM	n-Nitrosodiphenylamine	7.8	ug/kg		J	9
22L0459	LDW23-SC1039C	22L0459-03	EPA 8270E-SIM	Pentachlorophenol	11	ug/kg	J	J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	2-Methylnaphthalene	13.8	ug/kg	J	J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	4-Methylphenol	53.2	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Acenaphthene	12	ug/kg	J	J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Acenaphthylene	8.2	ug/kg	J	J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Anthracene	29.5	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Benzo(a)anthracene	89.4	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Benzo(a)pyrene	137	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Benzo(g,h,i)perylene	80.7	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Bis(2-ethylhexyl)phthalate	192	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Butyl benzyl phthalate	33.5	ug/kg	M	J	9,14
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Chrysene	131	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Dibenzo(a,h)anthracene	22.6	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Fluoranthene	233	ug/kg		J	5BH,9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	75.3	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Naphthalene	20.1	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Phenanthrene	78	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Phenol	39.1	ug/kg		J	5BL,9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Pyrene	347	ug/kg		J	5BH,9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E	Total benzofluoranthenes	374	ug/kg		J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E-SIM	1,4-Dichlorobenzene	2.5	ug/kg	J	U	7
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E-SIM	2,4-Dimethylphenol	2.9	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E-SIM	Benzoic acid	79	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E-SIM	Benzyl alcohol	45.9	ug/kg		J	5BH,9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E-SIM	n-Nitrosodiphenylamine	3.5	ug/kg	J	J	9
22L0459	LDW23-SC1007B	22L0459-04	EPA 8270E-SIM	Pentachlorophenol	4.2	ug/kg	J	J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8082A	Aroclor-1016		ug/kg	U	UJ	13L
22L0459	LDW23-SC1002C	22L0459-05	EPA 8082A	Aroclor-1221		ug/kg	U	UJ	13L
22L0459	LDW23-SC1002C	22L0459-05	EPA 8082A	Aroclor-1232		ug/kg	U	UJ	13L
22L0459	LDW23-SC1002C	22L0459-05	EPA 8082A	Aroclor-1242		ug/kg	U	UJ	13L
22L0459	LDW23-SC1002C	22L0459-05	EPA 8082A	Aroclor-1248	49.8	ug/kg		J	13L
22L0459	LDW23-SC1002C	22L0459-05	EPA 8082A	Aroclor-1254	73.5	ug/kg		J	13L
22L0459	LDW23-SC1002C	22L0459-05	EPA 8082A	Aroclor-1260	52	ug/kg		J	13L
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	2-Methylnaphthalene	29.4	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	4-Methylphenol	41.3	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Acenaphthene	17.8	ug/kg	J	J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Acenaphthylene	33.4	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Anthracene	154	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Benzo(a)anthracene	886	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Benzo(a)pyrene	1440	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Benzo(g,h,i)perylene	433	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Bis(2-ethylhexyl)phthalate	337	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Butyl benzyl phthalate	25.5	ug/kg	M	J	9,14
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Chrysene	1160	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Dibenzo(a,h)anthracene	175	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Dibenzofuran	23.3	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Fluoranthene	404	ug/kg		J	5BH,9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Fluorene	41.5	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Indeno(1,2,3-cd)pyrene	437	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Naphthalene	36.6	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Phenanthrene	206	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Phenol	78.9	ug/kg		J	5BL,9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Pyrene	1020	ug/kg		J	5BH,9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E	Total benzofluoranthenes	3890	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E-SIM	1,2-Dichlorobenzene	1.3	ug/kg	J	J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E-SIM	1,4-Dichlorobenzene	4.3	ug/kg	J	J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E-SIM	2,4-Dimethylphenol	5.1	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E-SIM	Benzoic acid	176	ug/kg		J	5CL,9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E-SIM	Benzyl alcohol	78.2	ug/kg		J	5BH,9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E-SIM	n-Nitrosodiphenylamine	5	ug/kg		J	9
22L0459	LDW23-SC1002C	22L0459-05	EPA 8270E-SIM	Pentachlorophenol	7.8	ug/kg	J	J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 1613B	1,2,3,4,7,8-HxCDD	3.07	ng/kg	EMPC	J	25
22L0459	LDW23-SC1070B	22L0459-06	EPA 1613B	1,2,3,7,8-PeCDD	2.86	ng/kg	EMPC B	J	25
22L0459	LDW23-SC1070B	22L0459-06	EPA 1613B	2,3,7,8-TCDD	1.13	ng/kg	EMPC	J	25
22L0459	LDW23-SC1070B	22L0459-06	EPA 1613B	2,3,7,8-TCDF	2.19	ng/kg	X	J	23H
22L0459	LDW23-SC1070B	22L0459-06	EPA 1613B	OCDD	4850	ng/kg	E B	J	20
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	2-Methylnaphthalene	32.7	ug/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	4-Methylphenol	21.9	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Acenaphthene	15.2	ug/kg	J	J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Anthracene	48.5	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Benzo(a)anthracene	51.7	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Benzo(a)pyrene	34.1	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Benzo(g,h,i)perylene	24.4	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Bis(2-ethylhexyl)phthalate	102	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Chrysene	61.7	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Dibenzofuran	24.4	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Fluoranthene	202	ug/kg		J	5BH,9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Fluorene	28.7	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	16.9	ug/kg	J	J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Naphthalene	29.1	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Phenanthrene	75	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Phenol	13.6	ug/kg	J	J	5BL,9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Pyrene	189	ug/kg		J	5BH,9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E	Total benzofluoranthenes	120	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E-SIM	1,2,4-Trichlorobenzene	2.7	ug/kg	J	J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E-SIM	1,2-Dichlorobenzene	3	ug/kg	J	J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E-SIM	1,4-Dichlorobenzene	7.9	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E-SIM	2,4-Dimethylphenol	5.5	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E-SIM	Benzoic acid	163	ug/kg		J	5CL,9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E-SIM	Benzyl alcohol	61.9	ug/kg		J	5BH,9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E-SIM	n-Nitrosodiphenylamine	11.3	ug/kg		J	9
22L0459	LDW23-SC1070B	22L0459-06	EPA 8270E-SIM	Pentachlorophenol	10.8	ug/kg	J	J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	2-Methylnaphthalene	43.9	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	4-Methylphenol	62.4	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Acenaphthene	18.3	ug/kg	J	J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Anthracene	31.5	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Benzo(a)anthracene	62.4	ug/kg		J	9,19
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Benzo(a)pyrene	83.2	ug/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Benzo(g,h,i)perylene	46	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Bis(2-ethylhexyl)phthalate	96.1	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Butyl benzyl phthalate	10.7	ug/kg	J	J	9,19
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Chrysene	89.9	ug/kg		J	9,19
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Dibenzofuran	19.9	ug/kg	J	J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Fluoranthene	227	ug/kg		J	5BH,9,19
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Fluorene	15.9	ug/kg	J	J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	52.2	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Naphthalene	44.6	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Phenanthrene	91.5	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Phenol	84.4	ug/kg		J	5BL,9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Pyrene	278	ug/kg		J	5BH,9,19
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E	Total benzofluoranthenes	239	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E-SIM	1,2,4-Trichlorobenzene	3.5	ug/kg	J	J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E-SIM	1,2-Dichlorobenzene	2.3	ug/kg	J	J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E-SIM	1,4-Dichlorobenzene	5.2	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E-SIM	2,4-Dimethylphenol	5.3	ug/kg	J	J	5CL,9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E-SIM	Benzoic acid	195	ug/kg		J	5CL,9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E-SIM	Benzyl alcohol	77.3	ug/kg		J	5BH,9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E-SIM	n-Nitrosodiphenylamine	6.2	ug/kg		J	9
22L0459	LDW23-SC1091B	22L0459-07	EPA 8270E-SIM	Pentachlorophenol	4.2	ug/kg	J	J	9
23A0031	LDW23-SS1002	23A0031-01	EPA 8270E	Benzo(g,h,i)perylene	79.5	ug/kg		J	5BL
23A0031	LDW23-SS1002	23A0031-01	EPA 8270E	Dibenzo(a,h)anthracene	23.5	ug/kg		J	5BL
23A0031	LDW23-SS1002	23A0031-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	66.5	ug/kg		J	5BL
23A0031	LDW23-SS1002	23A0031-01	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	5CL
23A0031	LDW23-SS1002	23A0031-01	EPA 8270E-SIM	Benzoic acid	43.8	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1002	23A0031-01	EPA 8270E-SIM	Pentachlorophenol	4.6	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1001	23A0031-02	EPA 6020	Silver	0.28	mg/kg	J	J	8L,9
23A0031	LDW23-SS1001	23A0031-02	EPA 8270E	Benzo(g,h,i)perylene	74.4	ug/kg		J	5BL
23A0031	LDW23-SS1001	23A0031-02	EPA 8270E	Dibenzo(a,h)anthracene	24	ug/kg		J	5BL
23A0031	LDW23-SS1001	23A0031-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	63.8	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0031	LDW23-SS1001	23A0031-02	EPA 8270E-SIM	2,4-Dimethylphenol	2.8	ug/kg	J	J	5CL
23A0031	LDW23-SS1001	23A0031-02	EPA 8270E-SIM	Benzoic acid	70.1	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1001	23A0031-02	EPA 8270E-SIM	Pentachlorophenol	4.6	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1199	23A0031-03	EPA 6020	Silver	0.15	mg/kg	J	J	8L,9
23A0031	LDW23-SS1199	23A0031-03	EPA 8270E	Benzo(g,h,i)perylene	45	ug/kg		J	5BL
23A0031	LDW23-SS1199	23A0031-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1199	23A0031-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	38.5	ug/kg		J	5BL
23A0031	LDW23-SS1199	23A0031-03	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1199	23A0031-03	EPA 8270E-SIM	Benzoic acid	55.4	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1199	23A0031-03	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1199-FD	23A0031-04	EPA 6020	Silver	0.17	mg/kg	J	J	8L,9
23A0031	LDW23-SS1199-FD	23A0031-04	EPA 8270E	Benzo(g,h,i)perylene	57.1	ug/kg		J	5BL
23A0031	LDW23-SS1199-FD	23A0031-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1199-FD	23A0031-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	51.5	ug/kg		J	5BL
23A0031	LDW23-SS1199-FD	23A0031-04	EPA 8270E-SIM	1,4-Dichlorobenzene	3.2	ug/kg	J	J	13H
23A0031	LDW23-SS1199-FD	23A0031-04	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1199-FD	23A0031-04	EPA 8270E-SIM	Benzoic acid	103	ug/kg	J	J	5BL,5CL
23A0031	LDW23-SS1199-FD	23A0031-04	EPA 8270E-SIM	Pentachlorophenol	2.7	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1191	23A0031-05	EPA 1613B	1,2,3,4,6,7,8-HpCDF	27.7	ng/kg	B	J	9
23A0031	LDW23-SS1191	23A0031-05	EPA 1613B	2,3,7,8-TCDF	1.06	ng/kg	X	J	23H
23A0031	LDW23-SS1191	23A0031-05	EPA 1613B	OCDF	83.2	ng/kg	B	J	9
23A0031	LDW23-SS1191	23A0031-05	EPA 1613B	Total HpCDF	99	ng/kg		J	9
23A0031	LDW23-SS1191	23A0031-05	EPA 1613B	Total PeCDF	12.4	ng/kg		J	9
23A0031	LDW23-SS1191	23A0031-05	EPA 6020	Silver	0.16	mg/kg	J	J	8L,9
23A0031	LDW23-SS1191	23A0031-05	EPA 8270E	Benzo(g,h,i)perylene	42.9	ug/kg		J	5BL
23A0031	LDW23-SS1191	23A0031-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1191	23A0031-05	EPA 8270E	Indeno(1,2,3-cd)pyrene	37	ug/kg		J	5BL
23A0031	LDW23-SS1191	23A0031-05	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1191	23A0031-05	EPA 8270E-SIM	Benzoic acid	58.4	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1191	23A0031-05	EPA 8270E-SIM	Pentachlorophenol	2.4	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 1613B	1,2,3,7,8-PeCDD	0.869	ng/kg	EMPC J	U	25

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 1613B	2,3,7,8-TCDD	0.304	ng/kg	EMPC J	U	25
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 1613B	2,3,7,8-TCDF	0.807	ng/kg	[1]	U	25
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 6020	Silver	0.15	mg/kg	J	J	8L,9
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 8270E	Benzo(g,h,i)perylene	106	ug/kg		J	5BL
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 8270E	Dibenzo(a,h)anthracene	48.4	ug/kg		J	5BL
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	118	ug/kg		J	5BL
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 8270E-SIM	Benzoic acid	54.7	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1191-FD	23A0031-06	EPA 8270E-SIM	Pentachlorophenol	2.4	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1177	23A0031-07	EPA 6020	Silver	0.2	mg/kg	J	J	8L,9
23A0031	LDW23-SS1177	23A0031-07	EPA 8270E	Benzo(g,h,i)perylene	64.7	ug/kg		J	5BL
23A0031	LDW23-SS1177	23A0031-07	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1177	23A0031-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	59.6	ug/kg		J	5BL
23A0031	LDW23-SS1177	23A0031-07	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	5CL
23A0031	LDW23-SS1177	23A0031-07	EPA 8270E-SIM	Benzoic acid	170	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1177	23A0031-07	EPA 8270E-SIM	Pentachlorophenol	4	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1177-FD	23A0031-08	EPA 6020	Silver	0.22	mg/kg	J	J	8L,9
23A0031	LDW23-SS1177-FD	23A0031-08	EPA 8270E	Benzo(g,h,i)perylene	330	ug/kg		J	5BL
23A0031	LDW23-SS1177-FD	23A0031-08	EPA 8270E	Dibenzo(a,h)anthracene	129	ug/kg		J	5BL
23A0031	LDW23-SS1177-FD	23A0031-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	323	ug/kg		J	5BL
23A0031	LDW23-SS1177-FD	23A0031-08	EPA 8270E-SIM	2,4-Dimethylphenol	2.4	ug/kg	J	J	5CL
23A0031	LDW23-SS1177-FD	23A0031-08	EPA 8270E-SIM	Benzoic acid	112	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1177-FD	23A0031-08	EPA 8270E-SIM	Pentachlorophenol	3.6	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1156	23A0031-09	EPA 6020	Silver	0.25	mg/kg	J	J	8L,9
23A0031	LDW23-SS1156	23A0031-09	EPA 8082A	Aroclor-1254	70	ug/kg	P1	J	3
23A0031	LDW23-SS1156	23A0031-09	EPA 8270E	Benzo(g,h,i)perylene	61.8	ug/kg		J	5BL
23A0031	LDW23-SS1156	23A0031-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1156	23A0031-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	57.1	ug/kg		J	5BL
23A0031	LDW23-SS1156	23A0031-09	EPA 8270E-SIM	2,4-Dimethylphenol	3.2	ug/kg	J	J	5CL
23A0031	LDW23-SS1156	23A0031-09	EPA 8270E-SIM	Benzoic acid	211	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1156	23A0031-09	EPA 8270E-SIM	Pentachlorophenol	5	ug/kg	J	UJ	5BL,7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0031	LDW23-SS1156-FD	23A0031-10	EPA 6020	Silver	0.27	mg/kg	J	J	8L,9
23A0031	LDW23-SS1156-FD	23A0031-10	EPA 8270E	Benzo(g,h,i)perylene	58	ug/kg		J	5BL
23A0031	LDW23-SS1156-FD	23A0031-10	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1156-FD	23A0031-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	57.1	ug/kg		J	5BL
23A0031	LDW23-SS1156-FD	23A0031-10	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	5CL
23A0031	LDW23-SS1156-FD	23A0031-10	EPA 8270E-SIM	Benzoic acid	145	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1156-FD	23A0031-10	EPA 8270E-SIM	Pentachlorophenol	5	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1143	23A0031-11	EPA 1613B	1,2,3,6,7,8-HxCDF	1.09	ng/kg	EMPC B	J	25
23A0031	LDW23-SS1143	23A0031-11	EPA 1613B	2,3,4,7,8-PeCDF	1.07	ng/kg	EMPC	J	25
23A0031	LDW23-SS1143	23A0031-11	EPA 1613B	2,3,7,8-TCDD	0.313	ng/kg	EMPC J	U	25
23A0031	LDW23-SS1143	23A0031-11	EPA 1613B	2,3,7,8-TCDF	1.14	ng/kg	X	J	23H
23A0031	LDW23-SS1143	23A0031-11	EPA 6020	Silver	0.17	mg/kg	J	J	8L,9
23A0031	LDW23-SS1143	23A0031-11	EPA 8270E	Benzo(g,h,i)perylene	36.4	ug/kg		J	5BL
23A0031	LDW23-SS1143	23A0031-11	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1143	23A0031-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	34.6	ug/kg		J	5BL
23A0031	LDW23-SS1143	23A0031-11	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1143	23A0031-11	EPA 8270E-SIM	Benzoic acid	60.6	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1143	23A0031-11	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 1613B	1,2,3,7,8,9-HxCDF	0.886	ng/kg	EMPC J	U	25
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 1613B	2,3,4,7,8-PeCDF	1.03	ng/kg	EMPC	J	25
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 1613B	2,3,7,8-TCDD	0.317	ng/kg	EMPC J	U	25
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 1613B	2,3,7,8-TCDF	0.829	ng/kg	X J	J	23H
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 6020	Silver	0.18	mg/kg	J	J	8L,9
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 8270E	Benzo(g,h,i)perylene	27.8	ug/kg	Q	J	5BL
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	28.4	ug/kg	Q	J	5BL
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 8270E-SIM	Benzoic acid	92.5	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1143-FD	23A0031-12	EPA 8270E-SIM	Pentachlorophenol	2.4	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1137	23A0031-13	EPA 6020	Silver	0.17	mg/kg	J	J	8L,9
23A0031	LDW23-SS1137	23A0031-13	EPA 8270E	Benzo(g,h,i)perylene	21.6	ug/kg	Q	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0031	LDW23-SS1137	23A0031-13	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1137	23A0031-13	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1137	23A0031-13	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1137	23A0031-13	EPA 8270E-SIM	Benzoic acid	96.7	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1137	23A0031-13	EPA 8270E-SIM	Benzyl alcohol	75.8	ug/kg	Q	J	5BH
23A0031	LDW23-SS1137	23A0031-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1138	23A0031-14	EPA 6020	Silver	0.2	mg/kg	J	J	8L,9
23A0031	LDW23-SS1138	23A0031-14	EPA 8270E	Benzo(g,h,i)perylene	18.7	ug/kg	Q	J	5BL,8L
23A0031	LDW23-SS1138	23A0031-14	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1138	23A0031-14	EPA 8270E	Indeno(1,2,3-cd)pyrene	20.4	ug/kg	Q	J	5BL
23A0031	LDW23-SS1138	23A0031-14	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1138	23A0031-14	EPA 8270E-SIM	Benzoic acid	47.6	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1138	23A0031-14	EPA 8270E-SIM	Benzyl alcohol	27.3	ug/kg	Q	J	5BH
23A0031	LDW23-SS1138	23A0031-14	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1144	23A0031-15	EPA 6020	Silver	0.1	mg/kg	J	J	8L,9
23A0031	LDW23-SS1144	23A0031-15	EPA 8082A	Aroclor-1260	40.1	ug/kg		J	9
23A0031	LDW23-SS1144	23A0031-15	EPA 8270E	Benzo(g,h,i)perylene	37.4	ug/kg		J	5BL
23A0031	LDW23-SS1144	23A0031-15	EPA 8270E	Fluorene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1144	23A0031-15	EPA 8270E	Indeno(1,2,3-cd)pyrene	30.5	ug/kg		J	5BL
23A0031	LDW23-SS1144	23A0031-15	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1144	23A0031-15	EPA 8270E-SIM	Benzoic acid	56.3	ug/kg	J	J	5CL,5BL
23A0031	LDW23-SS1144	23A0031-15	EPA 8270E-SIM	Pentachlorophenol	3.3	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1157	23A0031-16	EPA 6020	Silver	0.16	mg/kg	J	J	8L,9
23A0031	LDW23-SS1157	23A0031-16	EPA 8270E	Benzo(g,h,i)perylene	71.7	ug/kg		J	5BL
23A0031	LDW23-SS1157	23A0031-16	EPA 8270E	Fluorene	27.8	ug/kg	Q	J	5BL
23A0031	LDW23-SS1157	23A0031-16	EPA 8270E	Indeno(1,2,3-cd)pyrene	68.1	ug/kg		J	5BL
23A0031	LDW23-SS1157	23A0031-16	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1157	23A0031-16	EPA 8270E-SIM	Benzoic acid	183	ug/kg	Q	J	5CL,5BL
23A0031	LDW23-SS1157	23A0031-16	EPA 8270E-SIM	Pentachlorophenol	2.9	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1163	23A0031-17	EPA 6020	Silver	0.15	mg/kg	J	J	8L,9
23A0031	LDW23-SS1163	23A0031-17	EPA 8270E	Benzo(g,h,i)perylene	48.2	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0031	LDW23-SS1163	23A0031-17	EPA 8270E	Fluorene		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1163	23A0031-17	EPA 8270E	Indeno(1,2,3-cd)pyrene	44.5	ug/kg		J	5BL
23A0031	LDW23-SS1163	23A0031-17	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1163	23A0031-17	EPA 8270E-SIM	Benzoic acid	87.1	ug/kg	Q	J	5CL,5BL
23A0031	LDW23-SS1163	23A0031-17	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0031	LDW23-SS1166	23A0031-18	EPA 6020	Silver	0.19	mg/kg	J	J	8L,9
23A0031	LDW23-SS1166	23A0031-18	EPA 8082A	Aroclor-1254	72.2	ug/kg	P1	J	3
23A0031	LDW23-SS1166	23A0031-18	EPA 8270E	Benzo(g,h,i)perylene	102	ug/kg		J	5BL
23A0031	LDW23-SS1166	23A0031-18	EPA 8270E	Fluorene	22.6	ug/kg	Q	J	5BL
23A0031	LDW23-SS1166	23A0031-18	EPA 8270E	Indeno(1,2,3-cd)pyrene	99.5	ug/kg		J	5BL
23A0031	LDW23-SS1166	23A0031-18	EPA 8270E-SIM	2,4-Dimethylphenol	3.1	ug/kg	J	J	5CL
23A0031	LDW23-SS1166	23A0031-18	EPA 8270E-SIM	Benzoic acid	153	ug/kg	Q	J	5CL,5BL
23A0031	LDW23-SS1166	23A0031-18	EPA 8270E-SIM	Pentachlorophenol	6	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1172	23A0031-19	EPA 6020	Silver	0.2	mg/kg	J	J	8L,9
23A0031	LDW23-SS1172	23A0031-19	EPA 8270E	Benzo(g,h,i)perylene	56.5	ug/kg		J	5BL
23A0031	LDW23-SS1172	23A0031-19	EPA 8270E	Fluorene	25.2	ug/kg	Q	J	5BL
23A0031	LDW23-SS1172	23A0031-19	EPA 8270E	Indeno(1,2,3-cd)pyrene	53.2	ug/kg		J	5BL
23A0031	LDW23-SS1172	23A0031-19	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1172	23A0031-19	EPA 8270E-SIM	Benzoic acid	118	ug/kg	Q	J	5CL,5BL
23A0031	LDW23-SS1172	23A0031-19	EPA 8270E-SIM	Pentachlorophenol	3.9	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1174	23A0031-20	EPA 6020	Silver	0.26	mg/kg	J	J	8L,9
23A0031	LDW23-SS1174	23A0031-20	EPA 8082A	Aroclor-1254	92.4	ug/kg	P1	J	3
23A0031	LDW23-SS1174	23A0031-20	EPA 8270E	Benzo(g,h,i)perylene	69.8	ug/kg		J	5BL
23A0031	LDW23-SS1174	23A0031-20	EPA 8270E	Fluorene	27	ug/kg	Q	J	5BL
23A0031	LDW23-SS1174	23A0031-20	EPA 8270E	Indeno(1,2,3-cd)pyrene	71.2	ug/kg		J	5BL
23A0031	LDW23-SS1174	23A0031-20	EPA 8270E-SIM	2,4-Dimethylphenol	6.6	ug/kg	J	J	5CL
23A0031	LDW23-SS1174	23A0031-20	EPA 8270E-SIM	Benzoic acid	565	ug/kg	Q	J	5CL,5BL
23A0031	LDW23-SS1174	23A0031-20	EPA 8270E-SIM	Pentachlorophenol	4.1	ug/kg	J	UJ	5BL,7
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	2-Methylnaphthalene	16.9	ug/kg	J D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Acenaphthene	37.7	ug/kg	J D	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Anthracene	70.9	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Benzo(a)anthracene	211	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Benzo(a)pyrene	172	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Benzo(g,h,i)perylene	103	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	347	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Butyl benzyl phthalate	146	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Chrysene	310	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Dimethyl phthalate	14.2	ug/kg	J D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Fluoranthene	492	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	93.5	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Naphthalene	25.7	ug/kg	J D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Phenanthrene	145	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Pyrene	442	ug/kg	D	DNR	11
23A0031	LDW23-SS1174	23A0031-20RE1	EPA 8270E	Total benzofluoranthenes	419	ug/kg	D	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 6020	Silver	0.1	mg/kg	J	J	8L,9
23A0031	LDW23-SS1232	23A0031-21	EPA 8082A	Aroclor-1254	20.7	ug/kg	P1	J	3
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	2-Methylnaphthalene	6.7	ug/kg	J	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Acenaphthene	15.8	ug/kg	J	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Anthracene	65	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Benzo(a)anthracene	563	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Benzo(a)pyrene	378	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Benzo(g,h,i)perylene	179	ug/kg	Q	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Bis(2-ethylhexyl)phthalate	25.3	ug/kg	J	DNR	19
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Chrysene	580	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Dibenzo(a,h)anthracene	76.1	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Fluoranthene	795	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Indeno(1,2,3-cd)pyrene	163	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Naphthalene	7.2	ug/kg	J	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Phenanthrene	157	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Phenol	15.8	ug/kg	J	DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Pyrene	736	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E	Total benzofluoranthenes	777	ug/kg		DNR	11
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0031	LDW23-SS1232	23A0031-21	EPA 8270E-SIM	Pentachlorophenol	4.7	ug/kg	J	J	5BL
23A0031	LDW23-SS1232	23A0031-21RE1	EPA 8270E	Benzo(g,h,i)perylene	165	ug/kg	Q	J	5BH
23A0031	LDW23-SS1232	23A0031-21RE1	EPA 8270E	Dibenzo(a,h)anthracene	65	ug/kg	Q	J	5BH
23A0031	LDW23-SS1232	23A0031-21RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	151	ug/kg	Q	J	5BH
23A0031	LDW23-SS1191DUP1	BLA0256-DUP1	EPA 1613B	1,2,3,4,6,7,8-HpCDF	20.9	ng/kg	* B	J	9
23A0031	LDW23-SS1191DUP1	BLA0256-DUP1	EPA 1613B	1,2,3,7,8-PeCDD	1.05	ng/kg	EMPC	J	25
23A0031	LDW23-SS1191DUP1	BLA0256-DUP1	EPA 1613B	2,3,7,8-TCDD	0.286	ng/kg	EMPC J	U	25
23A0031	LDW23-SS1191DUP1	BLA0256-DUP1	EPA 1613B	2,3,7,8-TCDF	1.16	ng/kg	X	J	23H
23A0031	LDW23-SS1191DUP1	BLA0256-DUP1	EPA 1613B	OCDF	58.7	ng/kg	* B	J	9
23A0031	LDW23-SS1191DUP1	BLA0256-DUP1	EPA 1613B	Total HpCDF	75.4	ng/kg		J	9
23A0031	LDW23-SS1191DUP1	BLA0256-DUP1	EPA 1613B	Total PeCDF	7.82	ng/kg		J	9
23A0031	LDW23-SS1001DUP1	BLB0508-DUP1	EPA 6020	Silver	0.31	mg/kg	J	J	8L,9
23A0032	LDW23-IT1246	23A0032-01	EPA 8270E-SIM	Benzo(a)anthracene	63.7	ug/kg		J	9
23A0032	LDW23-IT1246	23A0032-01	EPA 8270E-SIM	Benzo(a)pyrene	53.7	ug/kg		J	9
23A0032	LDW23-IT1246	23A0032-01	EPA 8270E-SIM	Benzo(b)fluoranthene	68.7	ug/kg		J	9
23A0032	LDW23-IT1246	23A0032-01	EPA 8270E-SIM	Benzo(k)fluoranthene	34.5	ug/kg		J	9
23A0032	LDW23-IT1246	23A0032-01	EPA 8270E-SIM	Chrysene	97.5	ug/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0032	LDW23-IT1246	23A0032-01	EPA 8270E-SIM	Dibenzo(a,h)anthracene	10.4	ug/kg		J	9
23A0032	LDW23-IT1246	23A0032-01	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	37.6	ug/kg		J	9
23A0032	LDW23-IT1264	23A0032-02	EPA 1613B	1,2,3,4,6,7,8-HpCDF	25.8	ng/kg	EMPC B	J	25
23A0032	LDW23-IT1264	23A0032-02	EPA 1613B	1,2,3,7,8-PeCDD	1.62	ng/kg	EMPC	J	25
23A0032	LDW23-IT1264	23A0032-02	EPA 1613B	2,3,4,7,8-PeCDF	1.34	ng/kg	EMPC	J	25
23A0032	LDW23-IT1264	23A0032-02	EPA 1613B	2,3,7,8-TCDD	0.344	ng/kg	EMPC J	U	25
23A0032	LDW23-IT1264	23A0032-02	EPA 1613B	2,3,7,8-TCDF	1.8	ng/kg	EMPC X	J	23H,25
23A0032	LDW23-IT1264	23A0032-02	EPA 8082A	Aroclor-1260	21	ug/kg		J	19
23A0032	LDW23-IT1264	23A0032-02	EPA 8270E-SIM	Benzo(a)anthracene	5290	ug/kg	D E	DNR	20
23A0032	LDW23-IT1264	23A0032-02	EPA 8270E-SIM	Benzo(a)pyrene	1780	ug/kg	D E	DNR	20
23A0032	LDW23-IT1264	23A0032-02	EPA 8270E-SIM	Benzo(b)fluoranthene	3070	ug/kg	D E	DNR	20
23A0032	LDW23-IT1264	23A0032-02	EPA 8270E-SIM	Benzo(k)fluoranthene	1370	ug/kg	D	J	9
23A0032	LDW23-IT1264	23A0032-02	EPA 8270E-SIM	Chrysene	7630	ug/kg	D E	DNR	20
23A0032	LDW23-IT1264	23A0032-02	EPA 8270E-SIM	Dibenzo(a,h)anthracene	204	ug/kg	D	J	9
23A0032	LDW23-IT1264	23A0032-02	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	761	ug/kg	D	J	9
23A0032	LDW23-IT1264	23A0032-02RE1	EPA 8270E-SIM	Benzo(a)anthracene	4040	ug/kg	D	J	9
23A0032	LDW23-IT1264	23A0032-02RE1	EPA 8270E-SIM	Benzo(a)pyrene	1530	ug/kg	D	J	9
23A0032	LDW23-IT1264	23A0032-02RE1	EPA 8270E-SIM	Benzo(b)fluoranthene	2730	ug/kg	D	J	9
23A0032	LDW23-IT1264	23A0032-02RE1	EPA 8270E-SIM	Benzo(k)fluoranthene	1320	ug/kg	D	DNR	11
23A0032	LDW23-IT1264	23A0032-02RE1	EPA 8270E-SIM	Chrysene	5800	ug/kg	D	J	9
23A0032	LDW23-IT1264	23A0032-02RE1	EPA 8270E-SIM	Dibenzo(a,h)anthracene	208	ug/kg	J D	DNR	11
23A0032	LDW23-IT1264	23A0032-02RE1	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	648	ug/kg	D	DNR	11
23A0032	LDW23-IT1269	23A0032-03	EPA 8082A	Aroclor-1260	17.3	ug/kg		J	19
23A0032	LDW23-IT1269	23A0032-03	EPA 8270E-SIM	Benzo(a)anthracene	47.1	ug/kg	D	J	9
23A0032	LDW23-IT1269	23A0032-03	EPA 8270E-SIM	Benzo(a)pyrene	52.2	ug/kg	D	J	9
23A0032	LDW23-IT1269	23A0032-03	EPA 8270E-SIM	Benzo(b)fluoranthene	58.4	ug/kg	D	J	9
23A0032	LDW23-IT1269	23A0032-03	EPA 8270E-SIM	Benzo(k)fluoranthene	29.5	ug/kg	D	J	9
23A0032	LDW23-IT1269	23A0032-03	EPA 8270E-SIM	Chrysene	58.1	ug/kg	D	J	9
23A0032	LDW23-IT1269	23A0032-03	EPA 8270E-SIM	Dibenzo(a,h)anthracene	12.3	ug/kg	J D	J	9
23A0032	LDW23-IT1269	23A0032-03	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	46.6	ug/kg	D	J	9
23A0032	LDW23-IT1272	23A0032-04	EPA 1613B	1,2,3,4,7,8,9-HpCDF	0.26	ng/kg	EMPC J	U	25

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0032	LDW23-IT1272	23A0032-04	EPA 1613B	1,2,3,6,7,8-HxCDD	0.7	ng/kg	EMPC J	U	25
23A0032	LDW23-IT1272	23A0032-04	EPA 1613B	1,2,3,6,7,8-HxCDF	0.234	ng/kg	J B	U	7
23A0032	LDW23-IT1272	23A0032-04	EPA 1613B	1,2,3,7,8-PeCDF	0.211	ng/kg	EMPC J	U	25
23A0032	LDW23-IT1272	23A0032-04	EPA 1613B	2,3,4,6,7,8-HxCDF	0.273	ng/kg	EMPC J	U	25
23A0032	LDW23-IT1272	23A0032-04	EPA 8082A	Aroclor-1260	7.1	ug/kg		J	19
23A0032	LDW23-IT1272	23A0032-04	EPA 8270E-SIM	Benzo(a)anthracene	11.5	ug/kg		J	9
23A0032	LDW23-IT1272	23A0032-04	EPA 8270E-SIM	Benzo(a)pyrene	17.9	ug/kg		J	9
23A0032	LDW23-IT1272	23A0032-04	EPA 8270E-SIM	Benzo(b)fluoranthene	12.7	ug/kg		J	9
23A0032	LDW23-IT1272	23A0032-04	EPA 8270E-SIM	Benzo(k)fluoranthene	7.68	ug/kg		J	9
23A0032	LDW23-IT1272	23A0032-04	EPA 8270E-SIM	Chrysene	16.9	ug/kg		J	9
23A0032	LDW23-IT1272	23A0032-04	EPA 8270E-SIM	Dibenzo(a,h)anthracene	3.65	ug/kg	J	J	9
23A0032	LDW23-IT1272	23A0032-04	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	10.3	ug/kg		J	9
23A0032	LDW23-IT1224	23A0032-05	EPA 6020	Lead	24.2	mg/kg		J	9
23A0032	LDW23-IT1224	23A0032-05	EPA 8082A	Aroclor-1260	38.9	ug/kg		J	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	2-Methylnaphthalene	37.3	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	4-Methylphenol	92.3	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Acenaphthene	76.8	ug/kg		DNR	11
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Acenaphthylene	141	ug/kg		DNR	11
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Anthracene	103	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Benzo(a)anthracene	136	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Benzo(a)pyrene	129	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Benzo(g,h,i)perylene	91	ug/kg	Q	DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Bis(2-ethylhexyl)phthalate		ug/kg	U	DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Chrysene	140	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Dibenzo(a,h)anthracene	19.4	ug/kg	J	DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Dibenzofuran	40.8	ug/kg		DNR	11
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Fluoranthene	430	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Fluorene	74	ug/kg		DNR	11
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Indeno(1,2,3-cd)pyrene	66.5	ug/kg		DNR	19

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Naphthalene	372	ug/kg		DNR	11
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Phenanthrene	387	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Phenol	35.5	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Pyrene	526	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E	Total benzofluoranthenes	229	ug/kg		DNR	19
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0032	LDW23-IT1224	23A0032-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0032	LDW23-IT1224	23A0032-05RE1	EPA 8270E	Benzo(g,h,i)perylene	76.6	ug/kg	Q	J	5BH
23A0032	LDW23-IT1224	23A0032-05RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	58.7	ug/kg	Q	J	5BH
23A0032	LDW23-IT1235	23A0032-06	EPA 1613B	1,2,3,4,7,8-HxCDD	0.566	ng/kg	EMPC J	U	25
23A0032	LDW23-IT1235	23A0032-06	EPA 1613B	1,2,3,6,7,8-HxCDF	0.571	ng/kg	EMPC J B	U	25
23A0032	LDW23-IT1235	23A0032-06	EPA 1613B	1,2,3,7,8,9-HxCDD	1.08	ng/kg	EMPC	J	25
23A0032	LDW23-IT1235	23A0032-06	EPA 1613B	1,2,3,7,8-PeCDF	0.331	ng/kg	EMPC J	U	25
23A0032	LDW23-IT1235	23A0032-06	EPA 1613B	2,3,7,8-TCDD	0.205	ng/kg	EMPC J	U	25
23A0032	LDW23-IT1235	23A0032-06	EPA 1613B	2,3,7,8-TCDF	0.588	ng/kg	X J	J	23H
23A0032	LDW23-IT1235	23A0032-06	EPA 8082A	Aroclor-1260	20.9	ug/kg		J	19
23A0032	LDW23-IT1235	23A0032-06	EPA 8270E-SIM	Benzo(a)anthracene	17.7	ug/kg		J	9
23A0032	LDW23-IT1235	23A0032-06	EPA 8270E-SIM	Benzo(a)pyrene	26.8	ug/kg		J	9
23A0032	LDW23-IT1235	23A0032-06	EPA 8270E-SIM	Benzo(b)fluoranthene	29.4	ug/kg		J	9
23A0032	LDW23-IT1235	23A0032-06	EPA 8270E-SIM	Benzo(k)fluoranthene	14.5	ug/kg		J	9
23A0032	LDW23-IT1235	23A0032-06	EPA 8270E-SIM	Chrysene	26.8	ug/kg		J	9
23A0032	LDW23-IT1235	23A0032-06	EPA 8270E-SIM	Dibenzo(a,h)anthracene	5.03	ug/kg		J	9
23A0032	LDW23-IT1235	23A0032-06	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	17.6	ug/kg		J	9
23A0032	LDW23-IT1202	23A0032-07	EPA 1613B	2,3,7,8-TCDF	2.29	ng/kg	X	J	23H
23A0032	LDW23-IT1202	23A0032-07	EPA 8270E-SIM	Benzo(a)anthracene	737	ug/kg	D	J	9
23A0032	LDW23-IT1202	23A0032-07	EPA 8270E-SIM	Benzo(a)pyrene	832	ug/kg	D	J	9
23A0032	LDW23-IT1202	23A0032-07	EPA 8270E-SIM	Benzo(b)fluoranthene	785	ug/kg	D	J	9
23A0032	LDW23-IT1202	23A0032-07	EPA 8270E-SIM	Benzo(k)fluoranthene	435	ug/kg	D	J	9
23A0032	LDW23-IT1202	23A0032-07	EPA 8270E-SIM	Chrysene	1100	ug/kg	D	J	9
23A0032	LDW23-IT1202	23A0032-07	EPA 8270E-SIM	Dibenzo(a,h)anthracene	118	ug/kg	D	J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0032	LDW23-IT1202	23A0032-07	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	449	ug/kg	D	J	9
23A0032	LDW23-SC1226B	23A0032-08	EPA 1613B	1,2,3,7,8-PeCDF	0.587	ng/kg	EMPC J	U	25
23A0032	LDW23-SC1226B	23A0032-08	EPA 1613B	2,3,4,6,7,8-HxCDF	1.42	ng/kg	EMPC	J	25
23A0032	LDW23-SC1226B	23A0032-08	EPA 1613B	2,3,4,7,8-PeCDF	0.789	ng/kg	EMPC J	U	25
23A0032	LDW23-SC1226B	23A0032-08	EPA 1613B	2,3,7,8-TCDD	0.421	ng/kg	EMPC J	U	25
23A0032	LDW23-SC1226B	23A0032-08	EPA 1613B	2,3,7,8-TCDF	0.875	ng/kg	X J	J	23H
23A0032	LDW23-SC1226B	23A0032-08	EPA 6020	Lead	21.5	mg/kg		J	9
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	2-Methylnaphthalene	27.2	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Acenaphthene	16.9	ug/kg	J	DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Anthracene	22.6	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Benzo(a)anthracene	63.7	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Benzo(a)pyrene	94.9	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Benzo(g,h,i)perylene	54.9	ug/kg	Q	DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Bis(2-ethylhexyl)phthalate	89.6	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Butyl benzyl phthalate	20.5	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Chrysene	77.5	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Dibenzo(a,h)anthracene	17.3	ug/kg	J	DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Dimethyl phthalate	6.2	ug/kg	J	DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Fluoranthene	122	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Fluorene		ug/kg	U	DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	51.8	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Naphthalene	32.6	ug/kg		DNR	11
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Phenanthrene	74.1	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Phenol	72.2	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Pyrene	249	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E	Total benzofluoranthenes	218	ug/kg		DNR	19
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0032	LDW23-SC1226B	23A0032-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0032	LDW23-SC1226B	23A0032-08RE1	EPA 8270E	Benzo(g,h,i)perylene	44.7	ug/kg	Q	J	5BH
23A0032	LDW23-SC1226B	23A0032-08RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	43.9	ug/kg	Q	J	5BH
23A0032	LDW23-SC1212	23A0032-11	EPA 1613B	1,2,3,4,6,7,8-HpCDF	180	ng/kg	EMPC B	J	25
23A0032	LDW23-SC1212	23A0032-11	EPA 1613B	2,3,4,7,8-PeCDF	1.67	ng/kg	EMPC	J	25
23A0032	LDW23-SC1212	23A0032-11	EPA 1613B	2,3,7,8-TCDD	0.554	ng/kg	EMPC J	U	25
23A0032	LDW23-SC1212	23A0032-11	EPA 1613B	2,3,7,8-TCDF	1.22	ng/kg	X	J	23H
23A0032	LDW23-SC1212	23A0032-11	EPA 1613B	OCDD	7850	ng/kg	E B	J	20
23A0032	LDW23-SC1212	23A0032-11	EPA 6020	Lead	29.1	mg/kg		J	9
23A0032	LDW23-SC1212	23A0032-11	EPA 8081B	Hexachlorobenzene	0.28	ug/kg	J	NJ	3
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	2-Methylnaphthalene	24	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	4-Methylphenol	12	ug/kg	J	DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Acenaphthene	61.9	ug/kg		DNR	11
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Acenaphthylene	48.6	ug/kg		DNR	11
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Anthracene	205	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Benzo(a)anthracene	809	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Benzo(a)pyrene	696	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Benzo(g,h,i)perylene	105	ug/kg	Q	DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Bis(2-ethylhexyl)phthalate	224	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Butyl benzyl phthalate	32.8	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Chrysene	1010	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Dibenzo(a,h)anthracene	48.1	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Dibenzofuran	33.3	ug/kg		DNR	11
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Dimethyl phthalate	6.2	ug/kg	J	DNR	11
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Fluoranthene	1460	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Fluorene	34.8	ug/kg		DNR	11
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	117	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Naphthalene	34.4	ug/kg		DNR	11
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Phenanthrene	534	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Phenol	87.9	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Pyrene	2450	ug/kg	E	DNR	19

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E	Total benzofluoranthenes	1700	ug/kg		DNR	19
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E-SIM	2,4-Dimethylphenol	5	ug/kg	J	J	9
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E-SIM	Benzoic acid	82	ug/kg	J	J	5CL,5BL
23A0032	LDW23-SC1212	23A0032-11	EPA 8270E-SIM	Pentachlorophenol	6.8	ug/kg	J	J	5BL
23A0032	LDW23-SC1212	23A0032-11RE1	EPA 8270E	Benzo(g,h,i)perylene	69.5	ug/kg	Q	J	5BH
23A0032	LDW23-SC1212	23A0032-11RE1	EPA 8270E	Dibenzo(a,h)anthracene	30.2	ug/kg	Q	J	5BH
23A0032	LDW23-SC1212	23A0032-11RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	80.6	ug/kg	Q	J	5BH
23A0032	LDW23-SC1212	23A0032-11RE1	EPA 8270E	Pyrene	2590	ug/kg	E	DNR	20
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	2-Methylnaphthalene	24.5	ug/kg	J D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Acenaphthene	61.3	ug/kg	J D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Acenaphthylene	44.2	ug/kg	J D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Anthracene	179	ug/kg	D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Benzo(a)anthracene	804	ug/kg	D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Benzo(a)pyrene	661	ug/kg	D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Benzo(g,h,i)perylene	206	ug/kg	Q D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Bis(2-ethylhexyl)phthalate	223	ug/kg	J D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Chrysene	1020	ug/kg	D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Dibenzo(a,h)anthracene	88.2	ug/kg	J D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Fluoranthene	1660	ug/kg	D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Indeno(1,2,3-cd)pyrene	203	ug/kg	Q D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Naphthalene	32.2	ug/kg	J D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Phenanthrene	489	ug/kg	D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Phenol	77.6	ug/kg	J D	DNR	11
23A0032	LDW23-SC1212	23A0032-11RE2	EPA 8270E	Total benzofluoranthenes	1490	ug/kg	D	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 1613B	1,2,3,4,7,8-HxCDD	1.12	ng/kg	EMPC	J	25
23A0087	LDW23-SS1264	23A0087-01	EPA 1613B	1,2,3,7,8,9-HxCDF	1.02	ng/kg	EMPC	J	25

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1264	23A0087-01	EPA 1613B	1,2,3,7,8-PeCDD	1.48	ng/kg	EMPC	J	25
23A0087	LDW23-SS1264	23A0087-01	EPA 1613B	2,3,7,8-TCDD	0.333	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1264	23A0087-01	EPA 1613B	2,3,7,8-TCDF	1.3	ng/kg	X	J	23H
23A0087	LDW23-SS1264	23A0087-01	EPA 6020	Silver	0.15	mg/kg	J	J	8L
23A0087	LDW23-SS1264	23A0087-01	EPA 6020	Zinc	138	mg/kg		J	9
23A0087	LDW23-SS1264	23A0087-01	EPA 8082A	Aroclor-1260	15	ug/kg		J	5BL,19
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	2-Methylnaphthalene	7.6	ug/kg	J	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Acenaphthylene	6.2	ug/kg	J	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Anthracene	13.2	ug/kg	J	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Benzo(a)anthracene	46.1	ug/kg		DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Benzo(a)pyrene	57	ug/kg		DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Benzo(g,h,i)perylene	30.8	ug/kg	Q	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	44.4	ug/kg	J	DNR	19
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Butyl benzyl phthalate	14.1	ug/kg	J	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Chrysene	70.6	ug/kg		DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Dimethyl phthalate	5.1	ug/kg	J	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Fluoranthene	117	ug/kg		DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	26.1	ug/kg		DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Naphthalene	10	ug/kg	J	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Phenanthrene	52	ug/kg		DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Phenol	12.2	ug/kg	J	DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Pyrene	113	ug/kg		DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E	Total benzofluoranthenes	131	ug/kg		DNR	11
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E-SIM	Benzoic acid	73	ug/kg	J	J	5CL,5BL
23A0087	LDW23-SS1264	23A0087-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1264	23A0087-01RE1	EPA 8270E	Benzo(g,h,i)perylene	27.2	ug/kg	Q	J	5BL
23A0087	LDW23-SS1264	23A0087-01RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0087	LDW23-SS1264	23A0087-01RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	21.1	ug/kg	Q	J	5BL
23A0087	LDW23-SS1272	23A0087-02	EPA 6020	Silver	0.06	mg/kg	J	J	8L
23A0087	LDW23-SS1272	23A0087-02	EPA 6020	Zinc	65.3	mg/kg		J	9
23A0087	LDW23-SS1272	23A0087-02	EPA 8082A	Aroclor-1260	20.2	ug/kg		J	19
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	2-Methylnaphthalene	45.9	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	19
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Acenaphthene	8	ug/kg	J	DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Acenaphthylene	66.1	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Anthracene	20.2	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Benzo(a)anthracene	115	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Benzo(a)pyrene	195	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Benzo(g,h,i)perylene	119	ug/kg	Q	DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Bis(2-ethylhexyl)phthalate	20.4	ug/kg	J	DNR	19
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Chrysene	313	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Dibenzo(a,h)anthracene	31.6	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Dibenzofuran	16	ug/kg	J	DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Fluoranthene	478	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Fluorene	27.9	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	102	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Naphthalene	65.3	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Phenanthrene	641	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Phenol	9.3	ug/kg	J	DNR	19
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Pyrene	588	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E	Total benzofluoranthenes	354	ug/kg		DNR	11
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0087	LDW23-SS1272	23A0087-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1272	23A0087-02RE1	EPA 8270E	Benzo(g,h,i)perylene	112	ug/kg	Q	J	5BL
23A0087	LDW23-SS1272	23A0087-02RE1	EPA 8270E	Dibenzo(a,h)anthracene	30.1	ug/kg	Q	J	5BL
23A0087	LDW23-SS1272	23A0087-02RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	96.9	ug/kg	Q	J	5BL
23A0087	LDW23-SS1235	23A0087-03	EPA 6020	Silver	0.07	mg/kg		J	8L
23A0087	LDW23-SS1235	23A0087-03	EPA 6020	Zinc	81.8	mg/kg		J	9
23A0087	LDW23-SS1235	23A0087-03	EPA 8082A	Aroclor-1248	18.6	ug/kg	P1	NJ	3
23A0087	LDW23-SS1235	23A0087-03	EPA 8082A	Aroclor-1260	15.9	ug/kg		J	19
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	2-Methylnaphthalene	6	ug/kg	J	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	19
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Acenaphthene	10.2	ug/kg	J	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Acenaphthylene	16.3	ug/kg	J	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Anthracene	236	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Benzo(a)anthracene	463	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Benzo(a)pyrene	354	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Benzo(g,h,i)perylene	104	ug/kg	Q	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Bis(2-ethylhexyl)phthalate	19.4	ug/kg	J	DNR	19
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Chrysene	609	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Dibenzo(a,h)anthracene	46.2	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Fluoranthene	972	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Fluorene	15.5	ug/kg	J	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	110	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Naphthalene	8.9	ug/kg	J	DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Phenanthrene	117	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Phenol	8.7	ug/kg	J	DNR	19
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Pyrene	783	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E	Total benzofluoranthenes	814	ug/kg		DNR	11
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1235	23A0087-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0087	LDW23-SS1235	23A0087-03RE1	EPA 8270E	Benzo(g,h,i)perylene	97.9	ug/kg	Q	J	5BL
23A0087	LDW23-SS1235	23A0087-03RE1	EPA 8270E	Dibenzo(a,h)anthracene	39.6	ug/kg	Q	J	5BL
23A0087	LDW23-SS1235	23A0087-03RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	104	ug/kg	Q	J	5BL
23A0087	LDW23-SS1224	23A0087-04	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0087	LDW23-SS1224	23A0087-04	EPA 6020	Zinc	123	mg/kg		J	9
23A0087	LDW23-SS1224	23A0087-04	EPA 8081B	Hexachlorobenzene	0.31	ug/kg	J	J	3
23A0087	LDW23-SS1224	23A0087-04	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	13L
23A0087	LDW23-SS1224	23A0087-04	EPA 8270E	Phenol		ug/kg	U	UJ	13L
23A0087	LDW23-SS1224	23A0087-04	EPA 8270E-SIM	1,2-Dichlorobenzene	74.6	ug/kg		J	19
23A0087	LDW23-SS1224	23A0087-04	EPA 8270E-SIM	1,4-Dichlorobenzene	665	ug/kg		J	19
23A0087	LDW23-SS1224	23A0087-04	EPA 8270E-SIM	2,4-Dimethylphenol	6.7	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1224	23A0087-04	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0087	LDW23-SS1224	23A0087-04	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	19
23A0087	LDW23-SS1224	23A0087-04	EPA 8270E-SIM	Pentachlorophenol	5.4	ug/kg	J	J	5BL
23A0087	LDW23-SS1212	23A0087-05	EPA 1613B	1,2,3,7,8,9-HxCDF	0.911	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1212	23A0087-05	EPA 1613B	1,2,3,7,8-PeCDF	0.667	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1212	23A0087-05	EPA 1613B	2,3,4,6,7,8-HxCDF	1.32	ng/kg	EMPC	J	25
23A0087	LDW23-SS1212	23A0087-05	EPA 1613B	2,3,4,7,8-PeCDF	1.09	ng/kg	EMPC	J	25
23A0087	LDW23-SS1212	23A0087-05	EPA 1613B	2,3,7,8-TCDD	0.445	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1212	23A0087-05	EPA 1613B	2,3,7,8-TCDF	0.647	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1212	23A0087-05	EPA 6020	Silver	0.12	mg/kg	J	J	8L
23A0087	LDW23-SS1212	23A0087-05	EPA 6020	Zinc	98.6	mg/kg		J	9
23A0087	LDW23-SS1212	23A0087-05	EPA 8081B	Hexachlorobenzene	0.57	ug/kg		NJ	3
23A0087	LDW23-SS1212	23A0087-05	EPA 8082A	Aroclor-1260	29.1	ug/kg		J	19
23A0087	LDW23-SS1212	23A0087-05	EPA 8270E	Benzo(g,h,i)perylene	189	ug/kg		J	5BL
23A0087	LDW23-SS1212	23A0087-05	EPA 8270E-SIM	2,4-Dimethylphenol	3	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1212	23A0087-05	EPA 8270E-SIM	Benzoic acid	83.1	ug/kg	J	J	5CL,5BL
23A0087	LDW23-SS1212	23A0087-05	EPA 8270E-SIM	Benzyl alcohol	55.5	ug/kg		J	5BH
23A0087	LDW23-SS1212	23A0087-05	EPA 8270E-SIM	Pentachlorophenol	3.4	ug/kg	J	J	5BL
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 1613B	1,2,3,4,6,7,8-HpCDF	29.7	ng/kg	EMPC B	J	25

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 1613B	1,2,3,7,8-PeCDF	0.558	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 1613B	2,3,7,8-TCDF	0.817	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 6020	Silver	0.09	mg/kg	J	J	8L
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 6020	Zinc	77.6	mg/kg		J	9
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 8081B	Hexachlorobenzene	0.55	ug/kg		NJ	3
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 8082A	Aroclor-1260	34.5	ug/kg		J	19
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 8270E	Benzo(g,h,i)perylene	178	ug/kg		J	5BL
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 8270E-SIM	2,4-Dimethylphenol	2.3	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 8270E-SIM	Benzoic acid	84.3	ug/kg	J	J	5CL,5BL
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 8270E-SIM	Benzyl alcohol	35	ug/kg		J	5BH
23A0087	LDW23-SS1212-FD	23A0087-06	EPA 8270E-SIM	Pentachlorophenol	4.4	ug/kg	J	J	5BL
23A0087	LDW23-SS1211	23A0087-07	EPA 1613B	2,3,7,8-TCDF	2.81	ng/kg	EMPC X	J	23H,25
23A0087	LDW23-SS1211	23A0087-07	EPA 1613B	OCDD	5840	ng/kg	E B	J	20
23A0087	LDW23-SS1211	23A0087-07	EPA 6020	Silver	0.93	mg/kg		J	8L
23A0087	LDW23-SS1211	23A0087-07	EPA 6020	Zinc	143	mg/kg		J	9
23A0087	LDW23-SS1211	23A0087-07	EPA 8081B	Hexachlorobenzene	0.18	ug/kg	J	J	13H
23A0087	LDW23-SS1211	23A0087-07	EPA 8082A	Aroclor-1248	98.7	ug/kg	P1 D	J	3,13H
23A0087	LDW23-SS1211	23A0087-07	EPA 8082A	Aroclor-1254	189	ug/kg	D	J	13H
23A0087	LDW23-SS1211	23A0087-07	EPA 8082A	Aroclor-1260	128	ug/kg	D	J	13H
23A0087	LDW23-SS1211	23A0087-07	EPA 8270E	Benzo(g,h,i)perylene	83.3	ug/kg		J	5BL
23A0087	LDW23-SS1211	23A0087-07	EPA 8270E-SIM	2,4-Dimethylphenol	3.7	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1211	23A0087-07	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0087	LDW23-SS1211	23A0087-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0087	LDW23-SS1203	23A0087-08	EPA 1613B	1,2,3,4,7,8-HxCDD	2.22	ng/kg	EMPC	J	25
23A0087	LDW23-SS1203	23A0087-08	EPA 1613B	2,3,4,6,7,8-HxCDF	1.24	ng/kg	EMPC	J	25
23A0087	LDW23-SS1203	23A0087-08	EPA 1613B	2,3,7,8-TCDD	0.369	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1203	23A0087-08	EPA 1613B	2,3,7,8-TCDF	1.35	ng/kg	EMPC X	J	23H,25
23A0087	LDW23-SS1203	23A0087-08	EPA 6020	Silver	0.18	mg/kg	J	J	8L
23A0087	LDW23-SS1203	23A0087-08	EPA 6020	Zinc	109	mg/kg		J	9
23A0087	LDW23-SS1203	23A0087-08	EPA 8081B	Hexachlorobenzene	0.44	ug/kg	J	NJ	3
23A0087	LDW23-SS1203	23A0087-08	EPA 8270E	Benzo(g,h,i)perylene	208	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1203	23A0087-08	EPA 8270E-SIM	2,4-Dimethylphenol	4.9	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1203	23A0087-08	EPA 8270E-SIM	Benzoic acid	129	ug/kg	Q	J	5CL,5BL
23A0087	LDW23-SS1203	23A0087-08	EPA 8270E-SIM	Benzyl alcohol	78.4	ug/kg		J	5BH
23A0087	LDW23-SS1203	23A0087-08	EPA 8270E-SIM	Pentachlorophenol	5.4	ug/kg	J	J	5BL
23A0087	LDW23-SS1189	23A0087-09	EPA 6020	Silver	0.08	mg/kg	J	J	8L
23A0087	LDW23-SS1189	23A0087-09	EPA 6020	Zinc	147	mg/kg		J	9
23A0087	LDW23-SS1189	23A0087-09	EPA 8082A	Aroclor-1260	25.7	ug/kg		J	19
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E	Benzo(a)anthracene	589	ug/kg		J	8L
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E	Benzo(a)pyrene	1110	ug/kg		J	8L
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E	Benzo(g,h,i)perylene	690	ug/kg		J	5BL,8L
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E	Chrysene	1340	ug/kg		J	8L
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	667	ug/kg		J	8L
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E	Total benzofluoranthenes	2300	ug/kg		J	8L
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E-SIM	2,4-Dimethylphenol	3.1	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E-SIM	Benzyl alcohol	23.6	ug/kg		J	5BL
23A0087	LDW23-SS1189	23A0087-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0087	LDW23-SS1267	23A0087-10	EPA 6020	Silver	0.17	mg/kg	J	J	8L
23A0087	LDW23-SS1267	23A0087-10	EPA 6020	Zinc	82.2	mg/kg		J	9
23A0087	LDW23-SS1267	23A0087-10	EPA 8082A	Aroclor-1260	27.9	ug/kg		J	19
23A0087	LDW23-SS1267	23A0087-10	EPA 8270E	Benzo(g,h,i)perylene	51.8	ug/kg		J	5BL
23A0087	LDW23-SS1267	23A0087-10	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0087	LDW23-SS1267	23A0087-10	EPA 8270E-SIM	Benzoic acid	107	ug/kg	Q	J	5CL,5BL
23A0087	LDW23-SS1267	23A0087-10	EPA 8270E-SIM	Benzyl alcohol	114	ug/kg		J	5BH
23A0087	LDW23-SS1267	23A0087-10	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	J	5BL
23A0087	LDW23-SS1267-FD	23A0087-11	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0087	LDW23-SS1267-FD	23A0087-11	EPA 6020	Zinc	91.2	mg/kg		J	9
23A0087	LDW23-SS1267-FD	23A0087-11	EPA 8082A	Aroclor-1260	28.4	ug/kg		J	19
23A0087	LDW23-SS1267-FD	23A0087-11	EPA 8270E	Benzo(g,h,i)perylene	45.9	ug/kg		J	5BL
23A0087	LDW23-SS1267-FD	23A0087-11	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1267-FD	23A0087-11	EPA 8270E-SIM	Benzoic acid	69	ug/kg	J	J	5CL,5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1267-FD	23A0087-11	EPA 8270E-SIM	Benzyl alcohol	59.9	ug/kg		J	5BH
23A0087	LDW23-SS1267-FD	23A0087-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0087	LDW23-SS1251	23A0087-12	EPA 6020	Silver	0.25	mg/kg	J	J	8L
23A0087	LDW23-SS1251	23A0087-12	EPA 6020	Zinc	114	mg/kg		J	9
23A0087	LDW23-SS1251	23A0087-12	EPA 8081B	Hexachlorobenzene	0.39	ug/kg	J	J	3
23A0087	LDW23-SS1251	23A0087-12	EPA 8270E	Benzo(g,h,i)perylene	51.7	ug/kg		J	5BL
23A0087	LDW23-SS1251	23A0087-12	EPA 8270E-SIM	2,4-Dimethylphenol	3.3	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1251	23A0087-12	EPA 8270E-SIM	Benzoic acid	159	ug/kg	Q	J	5CL,5BL
23A0087	LDW23-SS1251	23A0087-12	EPA 8270E-SIM	Benzyl alcohol	137	ug/kg		J	5BH
23A0087	LDW23-SS1251	23A0087-12	EPA 8270E-SIM	Pentachlorophenol	2.4	ug/kg	J	J	5BL
23A0087	LDW23-SS1240	23A0087-13	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0087	LDW23-SS1240	23A0087-13	EPA 6020	Zinc	94.8	mg/kg		J	9
23A0087	LDW23-SS1240	23A0087-13	EPA 8082A	Aroclor-1260	41.2	ug/kg		J	10H
23A0087	LDW23-SS1240	23A0087-13	EPA 8270E	Benzo(g,h,i)perylene	84.8	ug/kg	Q	J	5BL
23A0087	LDW23-SS1240	23A0087-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	74.2	ug/kg		J	5BL
23A0087	LDW23-SS1240	23A0087-13	EPA 8270E-SIM	2,4-Dimethylphenol	2.8	ug/kg	J	J	5CL,9
23A0087	LDW23-SS1240	23A0087-13	EPA 8270E-SIM	Benzoic acid	101	ug/kg	Q	J	5CL,5BL
23A0087	LDW23-SS1240	23A0087-13	EPA 8270E-SIM	Benzyl alcohol	75.8	ug/kg	Q	J	5BH
23A0087	LDW23-SS1240	23A0087-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0087	LDW23-SS1229	23A0087-14	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0087	LDW23-SS1229	23A0087-14	EPA 6020	Zinc	284	mg/kg		J	9
23A0087	LDW23-SS1229	23A0087-14	EPA 8082A	Aroclor-1260	65.3	ug/kg	D	J	19
23A0087	LDW23-SS1229	23A0087-14	EPA 8270E	Benzo(g,h,i)perylene	124	ug/kg	Q	J	5BL
23A0087	LDW23-SS1229	23A0087-14	EPA 8270E	Indeno(1,2,3-cd)pyrene	119	ug/kg		J	5BL
23A0087	LDW23-SS1229	23A0087-14	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0087	LDW23-SS1229	23A0087-14	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0087	LDW23-SS1229	23A0087-14	EPA 8270E-SIM	Pentachlorophenol	14	ug/kg	J	J	5BL
23A0087	LDW23-SS1228	23A0087-15	EPA 1613B	1,2,3,4,7,8-HxCDD	0.681	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1228	23A0087-15	EPA 1613B	1,2,3,7,8-PeCDD	0.856	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1228	23A0087-15	EPA 1613B	1,2,3,7,8-PeCDF	0.294	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1228	23A0087-15	EPA 1613B	2,3,4,6,7,8-HxCDF	0.822	ng/kg	EMPC J	U	25

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1228	23A0087-15	EPA 1613B	2,3,7,8-TCDD	0.262	ng/kg	EMPC J	U	25
23A0087	LDW23-SS1228	23A0087-15	EPA 1613B	2,3,7,8-TCDF	0.958	ng/kg	X J	J	23H
23A0087	LDW23-SS1228	23A0087-15	EPA 6020	Silver	0.12	mg/kg	J	J	8L
23A0087	LDW23-SS1228	23A0087-15	EPA 6020	Zinc	65.7	mg/kg		J	9
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Benzo(a)anthracene	7720	ug/kg	E	DNR	20
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Benzo(a)pyrene	4790	ug/kg	E	DNR	20
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Benzo(g,h,i)perylene	1450	ug/kg	Q	J	5BL
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Chrysene	7330	ug/kg	E	DNR	20
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Fluoranthene	13500	ug/kg	E	DNR	20
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Indeno(1,2,3-cd)pyrene	1590	ug/kg		J	5BL
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Phenanthrene	3330	ug/kg	E	DNR	20
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Pyrene	12200	ug/kg	E	DNR	20
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E	Total benzofluoranthenes	9130	ug/kg	E	DNR	20
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E-SIM	Benzoic acid	37.6	ug/kg	J	J	5CL,5BL
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E-SIM	Benzyl alcohol	7.8	ug/kg	J	J	5BH
23A0087	LDW23-SS1228	23A0087-15	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	4-Methylphenol		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Acenaphthene	207	ug/kg	H J D	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Acenaphthylene		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Anthracene	1750	ug/kg	H D	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Benzo(a)anthracene	8550	ug/kg	H D	J	1
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Benzo(a)pyrene	5620	ug/kg	H D	J	1
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Benzo(g,h,i)perylene	683	ug/kg	H Q D	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Chrysene	8130	ug/kg	H D	J	1
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Dibenzofuran		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Dimethyl phthalate		ug/kg	H U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Fluoranthene	18600	ug/kg	H D	J	1
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Fluorene		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	776	ug/kg	H Q D	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Naphthalene		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Phenanthrene	3710	ug/kg	H D	J	1
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Phenol		ug/kg	H U	DNR	11
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Pyrene	16800	ug/kg	H D	J	1
23A0087	LDW23-SS1228	23A0087-15RE1	EPA 8270E	Total benzofluoranthenes	12800	ug/kg	H D	J	1,5BH
23A0087	LDW23-SS1264DUP1	BLC0184-DUP1	EPA 6020	Silver	0.15	mg/kg	J	J	8L
23A0087	LDW23-SS1264DUP1	BLC0184-DUP1	EPA 6020	Zinc	171	mg/kg	*	J	9
23A0088	LDW23-IT1197	23A0088-01	EPA 8082A	Aroclor-1248	86.7	ug/kg		J	5BL
23A0088	LDW23-IT1189	23A0088-02	EPA 8082A	Aroclor-1248	79.8	ug/kg		J	5BL
23A0088	LDW23-SC1190	23A0088-03	EPA 8082A	Aroclor-1248	369	ug/kg	D	J	5BL,13H
23A0088	LDW23-SC1190	23A0088-03	EPA 8082A	Aroclor-1254	468	ug/kg	D	J	13H
23A0088	LDW23-SC1190	23A0088-03	EPA 8082A	Aroclor-1260	232	ug/kg	D	J	13H
23A0088	LDW23-SC1198	23A0088-04	EPA 8082A	Aroclor-1248	38.6	ug/kg		J	5BL
23A0088	LDW23-SC1220	23A0088-06	EPA 6020	Lead	20.7	mg/kg		J	9
23A0088	LDW23-SC1220	23A0088-06	EPA 6020	Silver	0.2	mg/kg	J	J	8L
23A0088	LDW23-SC1220	23A0088-06	EPA 7471B	Mercury	0.143	mg/kg		J	9
23A0088	LDW23-SC1220	23A0088-06	EPA 8081B	Hexachlorobenzene	0.19	ug/kg	J	NJ	3
23A0088	LDW23-SC1220	23A0088-06	EPA 8082A	Aroclor-1248	29.8	ug/kg		J	5BL
23A0088	LDW23-SC1220	23A0088-06	EPA 8270E	Benzo(g,h,i)perylene	71.3	ug/kg	Q	J	5BL
23A0088	LDW23-SC1220	23A0088-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	70.9	ug/kg		J	5BL
23A0088	LDW23-SC1220	23A0088-06	EPA 8270E-SIM	2,4-Dimethylphenol	2.4	ug/kg	J	J	5CL
23A0088	LDW23-SC1220	23A0088-06	EPA 8270E-SIM	Benzoic acid	45	ug/kg	J	J	5CL,5BL
23A0088	LDW23-SC1220	23A0088-06	EPA 8270E-SIM	Benzyl alcohol	9.9	ug/kg	J	J	5BH
23A0088	LDW23-SC1220	23A0088-06	EPA 8270E-SIM	Pentachlorophenol	2.6	ug/kg	J	J	5BL
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 6020	Lead	29.4	mg/kg		J	9
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 6020	Silver	0.3	mg/kg	J	J	8L
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 7471B	Mercury	0.18	mg/kg		J	9
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 8081B	Hexachlorobenzene	0.21	ug/kg	J	NJ	3

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 8082A	Aroclor-1248	71.2	ug/kg		J	5BL
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 8270E	Benzo(g,h,i)perylene	62.4	ug/kg	Q	J	5BL
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	61	ug/kg		J	5BL
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 8270E-SIM	Benzyl alcohol	6.6	ug/kg	J	J	5BH
23A0088	LDW23-SC1225-FD	23A0088-07	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	J	5BL
23A0088	LDW23-SC1225	23A0088-08	EPA 6020	Lead	29.2	mg/kg		J	9
23A0088	LDW23-SC1225	23A0088-08	EPA 6020	Silver	0.29	mg/kg	J	J	8L
23A0088	LDW23-SC1225	23A0088-08	EPA 7471B	Mercury	0.236	mg/kg		J	9
23A0088	LDW23-SC1225	23A0088-08	EPA 8081B	Hexachlorobenzene	0.2	ug/kg	J	NJ	3
23A0088	LDW23-SC1225	23A0088-08	EPA 8082A	Aroclor-1248	91.7	ug/kg		J	5BL
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	2-Methylnaphthalene	13.5	ug/kg	J	DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Acenaphthene	8	ug/kg	J	DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Anthracene	25.2	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Benzo(a)anthracene	89.3	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Benzo(a)pyrene	99.3	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Benzo(g,h,i)perylene	66	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Bis(2-ethylhexyl)phthalate	66.9	ug/kg	Q	DNR	19
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Butyl benzyl phthalate	24.1	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Chrysene	136	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Dibenzo(a,h)anthracene	22.8	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Dimethyl phthalate	6.7	ug/kg	J	DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Fluoranthene	158	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	58.5	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Naphthalene	15.4	ug/kg	J	DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Phenanthrene	72.8	ug/kg		DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Phenol	132	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Pyrene	271	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E	Total benzofluoranthenes	284	ug/kg		DNR	11
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1225	23A0088-08	EPA 8270E-SIM	Pentachlorophenol	3.7	ug/kg	J	J	5BL
23A0088	LDW23-SC1225	23A0088-08RE1	EPA 8270E	Benzo(g,h,i)perylene	79.6	ug/kg	Q	J	5BH
23A0088	LDW23-SC1225	23A0088-08RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	66.7	ug/kg	Q	J	5BL
23A0088	LDW23-SC1265	23A0088-09	EPA 6020	Lead	19.6	mg/kg		J	9
23A0088	LDW23-SC1265	23A0088-09	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0088	LDW23-SC1265	23A0088-09	EPA 7471B	Mercury	0.231	mg/kg		J	9
23A0088	LDW23-SC1265	23A0088-09	EPA 8081B	Hexachlorobenzene	0.22	ug/kg	J	NJ	3
23A0088	LDW23-SC1265	23A0088-09	EPA 8082A	Aroclor-1248	24.6	ug/kg		J	5BL
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	2-Methylnaphthalene	10.9	ug/kg	J	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	4-Methylphenol	10.2	ug/kg	J	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Anthracene	16.2	ug/kg	J	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Benzo(a)anthracene	63.4	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Benzo(a)pyrene	65.3	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Benzo(g,h,i)perylene	52.3	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Bis(2-ethylhexyl)phthalate	52	ug/kg	Q	DNR	19
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Butyl benzyl phthalate	11.4	ug/kg	J	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Chrysene	90	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Dimethyl phthalate	6.7	ug/kg	J	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Fluoranthene	161	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	43.1	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Naphthalene	11.1	ug/kg	J	DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Phenanthrene	53	ug/kg		DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Phenol	212	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Pyrene	168	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E	Total benzofluoranthenes	185	ug/kg		DNR	11
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1265	23A0088-09	EPA 8270E-SIM	Pentachlorophenol	3.5	ug/kg	J	J	5BL
23A0088	LDW23-SC1265	23A0088-09RE1	EPA 8270E	Benzo(g,h,i)perylene	59.9	ug/kg	Q	J	5BH
23A0088	LDW23-SC1265	23A0088-09RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	53.5	ug/kg	Q	J	5BL
23A0088	LDW23-SC1247	23A0088-10	EPA 6020	Lead	20	mg/kg		J	9
23A0088	LDW23-SC1247	23A0088-10	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0088	LDW23-SC1247	23A0088-10	EPA 7471B	Mercury	0.158	mg/kg		J	9
23A0088	LDW23-SC1247	23A0088-10	EPA 8081B	Hexachlorobenzene	0.22	ug/kg	J	NJ	3
23A0088	LDW23-SC1247	23A0088-10	EPA 8082A	Aroclor-1248	27.5	ug/kg		J	5BL
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	2-Methylnaphthalene	11.2	ug/kg	J	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	4-Methylphenol	9.3	ug/kg	J	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Acenaphthene	5.3	ug/kg	J	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Anthracene	22.5	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Benzo(a)anthracene	85.5	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Benzo(a)pyrene	73.4	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Benzo(g,h,i)perylene	52.3	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Bis(2-ethylhexyl)phthalate	51.2	ug/kg	Q	DNR	19
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Butyl benzyl phthalate	15.8	ug/kg	J	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Chrysene	171	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Dibenzo(a,h)anthracene	18.1	ug/kg	J	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Fluoranthene	144	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	46.5	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Naphthalene	12.7	ug/kg	J	DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Phenanthrene	64.8	ug/kg		DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Phenol	163	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Pyrene	163	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E	Total benzofluoranthenes	202	ug/kg		DNR	11
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1247	23A0088-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0088	LDW23-SC1247	23A0088-10RE1	EPA 8270E	Benzo(g,h,i)perylene	59.9	ug/kg	Q	J	5BH
23A0088	LDW23-SC1247	23A0088-10RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	48	ug/kg	J	J	5BL
23A0088	LDW23-SC1270	23A0088-11	EPA 6020	Lead	20.6	mg/kg		J	9
23A0088	LDW23-SC1270	23A0088-11	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0088	LDW23-SC1270	23A0088-11	EPA 7471B	Mercury	0.2	mg/kg		J	9
23A0088	LDW23-SC1270	23A0088-11	EPA 8081B	Hexachlorobenzene	0.22	ug/kg	J	NJ	3
23A0088	LDW23-SC1270	23A0088-11	EPA 8082A	Aroclor-1248	35	ug/kg		J	5BL
23A0088	LDW23-SC1270	23A0088-11	EPA 8270E	Benzo(g,h,i)perylene	54.5	ug/kg		J	5BL
23A0088	LDW23-SC1270	23A0088-11	EPA 8270E	Bis(2-ethylhexyl)phthalate	50.6	ug/kg	Q	J	5BL
23A0088	LDW23-SC1270	23A0088-11	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1270	23A0088-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0088	LDW23-SC1276	23A0088-12	EPA 6020	Lead	21.8	mg/kg		J	9
23A0088	LDW23-SC1276	23A0088-12	EPA 6020	Silver	0.2	mg/kg	J	J	8L
23A0088	LDW23-SC1276	23A0088-12	EPA 7471B	Mercury	0.172	mg/kg		J	9
23A0088	LDW23-SC1276	23A0088-12	EPA 8081B	Hexachlorobenzene	0.3	ug/kg	J	NJ	3
23A0088	LDW23-SC1276	23A0088-12	EPA 8082A	Aroclor-1248	32.9	ug/kg		J	5BL
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	2-Methylnaphthalene	11.2	ug/kg	J	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Acenaphthene	5.8	ug/kg	J	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Anthracene	16.6	ug/kg	J	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Benzo(a)anthracene	67	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Benzo(a)pyrene	79.7	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Benzo(g,h,i)perylene	62	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Bis(2-ethylhexyl)phthalate	55.6	ug/kg	Q	DNR	19
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Butyl benzyl phthalate	17.2	ug/kg	J	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Chrysene	104	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Dibenzo(a,h)anthracene	17.3	ug/kg	J	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Dimethyl phthalate	9.6	ug/kg	J	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Fluoranthene	158	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	54.5	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Naphthalene	12.1	ug/kg	J	DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Phenanthrene	66.5	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Phenol	110	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Pyrene	188	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E	Total benzofluoranthenes	220	ug/kg		DNR	11
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1276	23A0088-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0088	LDW23-SC1276	23A0088-12RE1	EPA 8270E	Benzo(g,h,i)perylene	71.2	ug/kg	Q	J	5BH
23A0088	LDW23-SC1276	23A0088-12RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	50.4	ug/kg	Q	J	5BL
23A0088	LDW23-SC1221B	23A0088-13	EPA 6020	Lead	17.7	mg/kg		J	9
23A0088	LDW23-SC1221B	23A0088-13	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0088	LDW23-SC1221B	23A0088-13	EPA 7471B	Mercury	0.14	mg/kg		J	9
23A0088	LDW23-SC1221B	23A0088-13	EPA 8082A	Aroclor-1248	36.1	ug/kg		J	5BL
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	2-Methylnaphthalene	12.9	ug/kg	J	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	4-Methylphenol	17	ug/kg	J	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Acenaphthene	12.5	ug/kg	J	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Anthracene	17	ug/kg	J	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Benzo(a)anthracene	71.6	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Benzo(a)pyrene	78.1	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Benzo(g,h,i)perylene	51.6	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Bis(2-ethylhexyl)phthalate	76.9	ug/kg	Q	DNR	19
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Butyl benzyl phthalate	16.7	ug/kg	J	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Chrysene	95.3	ug/kg		DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Dibenzo(a,h)anthracene	17.9	ug/kg	J	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Dimethyl phthalate	8.5	ug/kg	J	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Fluoranthene	207	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	46.7	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Naphthalene	29.3	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Phenanthrene	67.9	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Phenol	27.2	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Pyrene	279	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E	Total benzofluoranthenes	204	ug/kg		DNR	11
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1221B	23A0088-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0088	LDW23-SC1221B	23A0088-13RE1	EPA 8270E	Benzo(g,h,i)perylene	65.4	ug/kg	Q	J	5BH
23A0088	LDW23-SC1221B	23A0088-13RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	74.4	ug/kg	Q	J	5BL
23A0088	LDW23-SC1184A	23A0088-14	EPA 6020	Lead	19.7	mg/kg		J	9
23A0088	LDW23-SC1184A	23A0088-14	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0088	LDW23-SC1184A	23A0088-14	EPA 7471B	Mercury	0.152	mg/kg		J	9
23A0088	LDW23-SC1184A	23A0088-14	EPA 8082A	Aroclor-1248	32	ug/kg		J	5BL
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	2-Methylnaphthalene	11.1	ug/kg	J	DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Acenaphthene	7.9	ug/kg	J	DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Anthracene	25.1	ug/kg		DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Benzo(a)anthracene	102	ug/kg		DNR	19
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Benzo(a)pyrene	102	ug/kg		DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Benzo(g,h,i)perylene	66.5	ug/kg		DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Bis(2-ethylhexyl)phthalate	51.6	ug/kg	Q	DNR	19
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Butyl benzyl phthalate	15.4	ug/kg	J	DNR	19
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Chrysene	174	ug/kg		DNR	19
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Dibenzo(a,h)anthracene	22.5	ug/kg		DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Fluoranthene	254	ug/kg		DNR	19
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Indeno(1,2,3-cd)pyrene	63.7	ug/kg		DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Naphthalene	11.2	ug/kg	J	DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Phenanthrene	106	ug/kg		DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Phenol	156	ug/kg		DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Pyrene	295	ug/kg		DNR	19
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E	Total benzofluoranthenes	271	ug/kg		DNR	11
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1184A	23A0088-14	EPA 8270E-SIM	Pentachlorophenol	3.5	ug/kg	J	J	5BL
23A0088	LDW23-SC1184A	23A0088-14RE1	EPA 8270E	Benzo(g,h,i)perylene	77	ug/kg	Q	J	5BH
23A0088	LDW23-SC1184A	23A0088-14RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	46.6	ug/kg	J	J	5BL
23A0088	LDW23-SC1214A	23A0088-15	EPA 6020	Lead	25.9	mg/kg		J	9
23A0088	LDW23-SC1214A	23A0088-15	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0088	LDW23-SC1214A	23A0088-15	EPA 7471B	Mercury	0.145	mg/kg		J	9
23A0088	LDW23-SC1214A	23A0088-15	EPA 8081B	Hexachlorobenzene	0.17	ug/kg	J	NJ	3
23A0088	LDW23-SC1214A	23A0088-15	EPA 8082A	Aroclor-1248	62.8	ug/kg		J	5BL
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	2-Methylnaphthalene	14.4	ug/kg	J	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Acenaphthene	8.2	ug/kg	J	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Anthracene	23.2	ug/kg		DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Benzo(a)anthracene	111	ug/kg		DNR	19
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Benzo(a)pyrene	120	ug/kg		DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Benzo(g,h,i)perylene	76.2	ug/kg		DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Bis(2-ethylhexyl)phthalate	58.3	ug/kg	Q	DNR	19
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Butyl benzyl phthalate	43.9	ug/kg		DNR	19
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Chrysene	187	ug/kg		DNR	19
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Dibenzo(a,h)anthracene	24.1	ug/kg		DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Fluoranthene	453	ug/kg		DNR	19
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Indeno(1,2,3-cd)pyrene	76.1	ug/kg		DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Naphthalene	14.7	ug/kg	J	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Phenanthrene	92.7	ug/kg		DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Phenol	19	ug/kg	J	DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Pyrene	551	ug/kg		DNR	19
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E	Total benzofluoranthenes	339	ug/kg		DNR	11
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5CL,5BL
23A0088	LDW23-SC1214A	23A0088-15	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0088	LDW23-SC1214A	23A0088-15RE1	EPA 8270E	Benzo(g,h,i)perylene	92	ug/kg	Q	J	5BH
23A0088	LDW23-SC1214A	23A0088-15RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	58.5	ug/kg	Q	J	5BL
23A0088	LDW23-SC1220DUP1	BLC0077-DUP1	EPA 7471B	Mercury	0.174	mg/kg		J	9
23A0099	LDW23-IT1154	23A0099-01	EPA 1613B	1,2,3,4,7,8,9-HpCDF	6.46	ng/kg	EMPC	J	25
23A0099	LDW23-IT1154	23A0099-01	EPA 1613B	2,3,7,8-TCDD	0.655	ng/kg	EMPC J	U	25
23A0099	LDW23-IT1154	23A0099-01	EPA 1613B	2,3,7,8-TCDF	2.88	ng/kg	X	J	23H
23A0099	LDW23-IT1154	23A0099-01	EPA 1613B	Total PeCDD	15.7	ng/kg		J	9
23A0099	LDW23-SC1153	23A0099-02	EPA 6020	Silver	0.26	mg/kg	J	J	8L
23A0099	LDW23-SC1153	23A0099-02	EPA 7471B	Mercury	0.159	mg/kg		J	9
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E	Benzo(g,h,i)perylene	37.7	ug/kg		J	5BL
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E	Butyl benzyl phthalate	16.7	ug/kg	J	J	5BH
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E	Fluoranthene	256	ug/kg		J	5BH
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	34.6	ug/kg		J	5BL
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E	Pyrene	298	ug/kg		J	5BH
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E-SIM	2,4-Dimethylphenol	2.8	ug/kg	J	J	5BL
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E-SIM	Benzoic acid	97	ug/kg	J	J	5A,5B,5CL
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E-SIM	Benzyl alcohol	75.9	ug/kg		J	5BL
23A0099	LDW23-SC1153	23A0099-02	EPA 8270E-SIM	Pentachlorophenol	3.9	ug/kg	J	J	5BL,10H

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-SC1165	23A0099-03	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0099	LDW23-SC1165	23A0099-03	EPA 7471B	Mercury	0.155	mg/kg		J	9
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E	Benzo(g,h,i)perylene	32.8	ug/kg		J	5BL
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E	Butyl benzyl phthalate	30	ug/kg		J	5BH
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E	Fluoranthene	480	ug/kg		J	5BH
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	30.9	ug/kg		J	5BL
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E	Pyrene	541	ug/kg		J	5BH
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E-SIM	Benzoic acid	67.8	ug/kg	J	J	5A,5B,5CL
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E-SIM	Benzyl alcohol	58.9	ug/kg		J	5BL
23A0099	LDW23-SC1165	23A0099-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1186	23A0099-04	EPA 1613B	1,2,3,7,8-PeCDF	0.465	ng/kg	EMPC J	U	25
23A0099	LDW23-SC1186	23A0099-04	EPA 1613B	2,3,4,6,7,8-HxCDF	1.21	ng/kg	EMPC	J	25
23A0099	LDW23-SC1186	23A0099-04	EPA 1613B	2,3,7,8-TCDD	0.288	ng/kg	EMPC J	U	25
23A0099	LDW23-SC1186	23A0099-04	EPA 1613B	2,3,7,8-TCDF	0.74	ng/kg	X J	J	23H
23A0099	LDW23-SC1186	23A0099-04	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0099	LDW23-SC1186	23A0099-04	EPA 7471B	Mercury	0.144	mg/kg		J	9
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E	Benzo(g,h,i)perylene	143	ug/kg	Q	J	5BL
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E	Bis(2-ethylhexyl)phthalate	354	ug/kg		J	5BH
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E	Butyl benzyl phthalate	16.8	ug/kg	J	J	5BH,10H
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E	Dibenzo(a,h)anthracene	47.7	ug/kg	Q	J	5BL
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E	Fluoranthene	7900	ug/kg	Q E	DNR	20
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E	Pyrene	5180	ug/kg	E	DNR	20
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E-SIM	1,4-Dichlorobenzene	1.6	ug/kg	J	J	13H
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E-SIM	2,4-Dimethylphenol	5.6	ug/kg	J	J	9
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E-SIM	Benzoic acid	95.8	ug/kg	J	J	5BL
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E-SIM	Benzyl alcohol	19.9	ug/kg		J	5BL
23A0099	LDW23-SC1186	23A0099-04	EPA 8270E-SIM	Pentachlorophenol	4.8	ug/kg	J	J	5BL
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Acenaphthene	36	ug/kg	J D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Acenaphthylene	39.7	ug/kg	J D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Anthracene	81.7	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Benzo(a)anthracene	378	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Benzo(a)pyrene	280	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Benzo(g,h,i)perylene	196	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	299	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Chrysene	893	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Fluoranthene	6750	ug/kg	D	J	5BH
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Fluorene	57	ug/kg	J D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	190	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Phenanthrene	1270	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Phenol	163	ug/kg	D	DNR	11
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Pyrene	4570	ug/kg	D	J	5BH
23A0099	LDW23-SC1186	23A0099-04RE1	EPA 8270E	Total benzofluoranthenes	1120	ug/kg	D	DNR	11
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 1613B	2,3,4,7,8-PeCDF	0.778	ng/kg	EMPC J	U	25
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 1613B	2,3,7,8-TCDD	0.299	ng/kg	EMPC J	U	25
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 1613B	2,3,7,8-TCDF	0.733	ng/kg	X J	J	23H
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 6020	Silver	0.18	mg/kg	J	J	8L
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 7471B	Mercury	0.115	mg/kg		J	9
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E	Benzo(g,h,i)perylene	41.3	ug/kg		J	5BL
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E	Butyl benzyl phthalate	32.7	ug/kg		J	5BH
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E	Fluoranthene	280	ug/kg		J	5BH
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E	Indeno(1,2,3-cd)pyrene	38	ug/kg		J	5BL
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E	Pyrene	586	ug/kg		J	5BH

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E-SIM	2,4-Dimethylphenol	2.4	ug/kg	J	J	5BL
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E-SIM	Benzoic acid	74.1	ug/kg	J	J	5A,5B,5CL
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E-SIM	Benzyl alcohol	73.9	ug/kg		J	5BL
23A0099	LDW23-SC1186-FD	23A0099-05	EPA 8270E-SIM	Pentachlorophenol	17.7	ug/kg	J	J	5BL,10H
23A0099	LDW23-SC1188	23A0099-06	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0099	LDW23-SC1188	23A0099-06	EPA 7471B	Mercury	0.122	mg/kg		J	9
23A0099	LDW23-SC1188	23A0099-06	EPA 8081B	Hexachlorobenzene	18.5	ug/kg	E	DNR	20
23A0099	LDW23-SC1188	23A0099-06	EPA 8082A	Aroclor-1248	33.5	ug/kg	P1 D	J	3
23A0099	LDW23-SC1188	23A0099-06	EPA 8082A	Aroclor-1254	51.6	ug/kg	P1 D	J	3
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E	Benzo(g,h,i)perylene	61.3	ug/kg		J	5BL
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E	Butyl benzyl phthalate	12.6	ug/kg	J	J	5BH
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E	Dibenzo(a,h)anthracene	23.2	ug/kg		J	5BL
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E	Fluoranthene	1040	ug/kg		J	5BH
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	63.2	ug/kg		J	5BL
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E	Pyrene	1280	ug/kg		J	5BH
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E-SIM	2,4-Dimethylphenol	2.3	ug/kg	J	J	5BL
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E-SIM	Benzoic acid	69.2	ug/kg	J	J	5A,5B,5CL
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E-SIM	Benzyl alcohol	75.6	ug/kg		J	5BL
23A0099	LDW23-SC1188	23A0099-06	EPA 8270E-SIM	Pentachlorophenol	2.9	ug/kg	J	J	5BL,10H
23A0099	LDW23-SC1173	23A0099-07	EPA 6020	Silver	0.26	mg/kg	J	J	8L
23A0099	LDW23-SC1173	23A0099-07	EPA 7471B	Mercury	0.166	mg/kg		J	9
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E	Benzo(a)pyrene	249	ug/kg		DNR	19
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E	Benzo(g,h,i)perylene	55.4	ug/kg		DNR	19
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E	Butyl benzyl phthalate	17.7	ug/kg	J	J	5BH
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E	Dibenzo(a,h)anthracene	18.1	ug/kg	J	J	5BL,19
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E	Fluoranthene	297	ug/kg		J	5BH
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	49.7	ug/kg		DNR	19
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E	Pyrene	805	ug/kg		J	5BH
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E	Total benzofluoranthenes	728	ug/kg		DNR	19
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E-SIM	2,4-Dimethylphenol	4.3	ug/kg	J	J	5BL
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E-SIM	Benzoic acid	63	ug/kg	J	J	5A,5B,5CL

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E-SIM	Benzyl alcohol	71.8	ug/kg		J	5BL
23A0099	LDW23-SC1173	23A0099-07	EPA 8270E-SIM	Pentachlorophenol	2.7	ug/kg	J	J	5BL,10H
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Acenaphthene	24.8	ug/kg	J D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Anthracene	54	ug/kg	J D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Benzo(a)anthracene	150	ug/kg	D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Benzo(g,h,i)perylene	97.9	ug/kg	Q D	J	5BH
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	215	ug/kg	D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Chrysene	241	ug/kg	D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Fluoranthene	293	ug/kg	D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Naphthalene	27.3	ug/kg	J D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Phenanthrene	116	ug/kg	D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Phenol	56.9	ug/kg	J D	DNR	11
23A0099	LDW23-SC1173	23A0099-07RE1	EPA 8270E	Pyrene	785	ug/kg	D	DNR	11
23A0099	LDW23-SC1179	23A0099-08	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0099	LDW23-SC1179	23A0099-08	EPA 7471B	Mercury	0.211	mg/kg		J	9
23A0099	LDW23-SC1179	23A0099-08	EPA 8082A	Aroclor-1248	47.3	ug/kg	P1 D	J	3
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E	Benzo(a)pyrene	239	ug/kg		DNR	19
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E	Benzo(g,h,i)perylene	55	ug/kg		DNR	19
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E	Butyl benzyl phthalate	19	ug/kg	J	J	5BH
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E	Dibenzo(a,h)anthracene	19.9	ug/kg	J	J	5BL,19
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E	Fluoranthene	499	ug/kg		J	5BH
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	46.4	ug/kg		DNR	19
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E	Pyrene	713	ug/kg		J	5BH

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E	Total benzofluoranthenes	730	ug/kg		DNR	19
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E-SIM	2,4-Dimethylphenol	2.2	ug/kg	J	J	5BL
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E-SIM	Benzoic acid	60.4	ug/kg	J	J	5A,5B,5CL
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E-SIM	Benzyl alcohol	84.1	ug/kg		J	5BL
23A0099	LDW23-SC1179	23A0099-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	2-Methylnaphthalene	18.2	ug/kg	J D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Acenaphthene	21.5	ug/kg	J D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Anthracene	76.5	ug/kg	J D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Benzo(a)anthracene	181	ug/kg	D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Benzo(g,h,i)perylene	176	ug/kg	Q D	J	5BH
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	209	ug/kg	D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Chrysene	284	ug/kg	D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Fluoranthene	503	ug/kg	D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	134	ug/kg	Q D	J	5BH
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Naphthalene	21.3	ug/kg	J D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Phenanthrene	212	ug/kg	D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Phenol	225	ug/kg	D	DNR	11
23A0099	LDW23-SC1179	23A0099-08RE1	EPA 8270E	Pyrene	719	ug/kg	D	DNR	11
23A0099	LDW23-SC1152	23A0099-09	EPA 6020	Silver	0.26	mg/kg	J	J	8L
23A0099	LDW23-SC1152	23A0099-09	EPA 7471B	Mercury	0.155	mg/kg		J	9
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E	Benzo(a)pyrene	143	ug/kg		DNR	19
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E	Benzo(g,h,i)perylene	38.7	ug/kg		DNR	19
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E	Butyl benzyl phthalate	17.3	ug/kg	J	J	5BH
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL,19

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E	Fluoranthene	249	ug/kg		J	5BH
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	35.7	ug/kg		DNR	19
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E	Pyrene	366	ug/kg		J	5BH
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E	Total benzofluoranthenes	480	ug/kg		DNR	19
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E-SIM	Benzoic acid	110	ug/kg		J	5A,5B,5CL
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E-SIM	Benzyl alcohol	83	ug/kg		J	5BL
23A0099	LDW23-SC1152	23A0099-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Anthracene	41.8	ug/kg	J D	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Benzo(a)anthracene	145	ug/kg	D	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Benzo(g,h,i)perylene	118	ug/kg	Q D	J	5BH
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	173	ug/kg	J D	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Chrysene	251	ug/kg	D	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Fluoranthene	248	ug/kg	D	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	92	ug/kg	Q D	J	5BH
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Naphthalene	17.7	ug/kg	J D	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Phenanthrene	68.2	ug/kg	J D	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Phenol	215	ug/kg	D	DNR	11
23A0099	LDW23-SC1152	23A0099-09RE1	EPA 8270E	Pyrene	357	ug/kg	D	DNR	11
23A0099	LDW23-IT1160	23A0099-10	EPA 1613B	2,3,7,8-TCDF	4.68	ng/kg	X	J	23H
23A0099	LDW23-IT1160	23A0099-10	EPA 1613B	OCDD	13600	ng/kg	E B	J	20
23A0099	LDW23-IT1160	23A0099-10	EPA 6020	Silver	0.45	mg/kg		J	8L

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-IT1160	23A0099-10	EPA 7471B	Mercury	0.286	mg/kg		J	9
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Benzo(a)pyrene	490	ug/kg		DNR	19
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Benzo(g,h,i)perylene	125	ug/kg		DNR	19
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Bis(2-ethylhexyl)phthalate	3240	ug/kg	E	DNR	20
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Butyl benzyl phthalate	429	ug/kg		J	5BH
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Dibenzo(a,h)anthracene	38.6	ug/kg		DNR	19
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Fluoranthene	2570	ug/kg	E	DNR	20
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	106	ug/kg		DNR	19
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Pyrene	2420	ug/kg	E	DNR	20
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E	Total benzofluoranthenes	1850	ug/kg		DNR	19
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E-SIM	2,4-Dimethylphenol	4.5	ug/kg	J	J	5BL
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E-SIM	Benzoic acid	174	ug/kg		J	5A,5B,5CL
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E-SIM	Benzyl alcohol	159	ug/kg		J	5BL
23A0099	LDW23-IT1160	23A0099-10	EPA 8270E-SIM	Pentachlorophenol	30.3	ug/kg		J	5BL,10H
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	2-Methylnaphthalene	30	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Acenaphthene	52.3	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Acenaphthylene	50.1	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Anthracene	131	ug/kg	D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Benzo(a)anthracene	454	ug/kg	D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Benzo(g,h,i)perylene	253	ug/kg	Q D	J	5BH
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	3050	ug/kg	D	J	19
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Butyl benzyl phthalate	269	ug/kg	D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Chrysene	860	ug/kg	D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Dibenzo(a,h)anthracene	76.7	ug/kg	J D	J	5BH
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Dibenzofuran	57	ug/kg	J D	DNR	v
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Dimethyl phthalate	48.9	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Fluorene	73.6	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	224	ug/kg	Q D	J	5BH
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Naphthalene	32.9	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Phenanthrene	1020	ug/kg	D	DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-IT1160	23A0099-10RE1	EPA 8270E	Phenol	396	ug/kg	D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 1613B	2,3,7,8-TCDF	2.91	ng/kg	X	J	23H
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 1613B	OCDD	10800	ng/kg	E B	J	20
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 6020	Silver	0.65	mg/kg		J	8L
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 7471B	Mercury	0.293	mg/kg		J	9
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8081B	Hexachlorobenzene	0.58	ug/kg	P1	NJ	3
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E	Benzo(a)pyrene	310	ug/kg		DNR	19
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E	Benzo(g,h,i)perylene	89.4	ug/kg		DNR	19
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E	Butyl benzyl phthalate	373	ug/kg		J	5BH
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E	Dibenzo(a,h)anthracene	28.4	ug/kg		J	5BL,19
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E	Fluoranthene	758	ug/kg		J	5BH
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	77.9	ug/kg		DNR	19
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E	Pyrene	1090	ug/kg		J	5BH
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E	Total benzofluoranthenes	1120	ug/kg		DNR	19
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E-SIM	2,4-Dimethylphenol	3.3	ug/kg	J	J	5BL
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E-SIM	Benzoic acid	114	ug/kg		J	5A,5B,5CL
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E-SIM	Benzyl alcohol	103	ug/kg		J	5BL
23A0099	LDW23-IT1160-FD	23A0099-11	EPA 8270E-SIM	Pentachlorophenol	32.7	ug/kg		J	5BL,10H
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	2-Methylnaphthalene	21	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Acenaphthylene	25	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Anthracene	69.5	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Benzo(a)anthracene	242	ug/kg	D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Benzo(g,h,i)perylene	176	ug/kg	Q D	J	5BH
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	1240	ug/kg	D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Butyl benzyl phthalate	260	ug/kg	D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Chrysene	415	ug/kg	D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Dimethyl phthalate	63.4	ug/kg	J D	DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Fluoranthene	535	ug/kg	D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	147	ug/kg	Q D	J	5BH
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Naphthalene	21.8	ug/kg	J D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Phenanthrene	209	ug/kg	D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Phenol	395	ug/kg	D	DNR	11
23A0099	LDW23-IT1160-FD	23A0099-11RE1	EPA 8270E	Pyrene	760	ug/kg	D	DNR	11
23A0099	LDW23-SC1205A	23A0099-12	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0099	LDW23-SC1205A	23A0099-12	EPA 7471B	Mercury	0.101	mg/kg		J	9
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E	Benzo(a)pyrene	131	ug/kg		DNR	19
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E	Benzo(g,h,i)perylene	36.1	ug/kg		DNR	19
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E	Butyl benzyl phthalate	15.7	ug/kg	J	J	5BH
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL,19
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E	Fluoranthene	218	ug/kg		J	5BH
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	34.6	ug/kg		DNR	19
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E	Pyrene	341	ug/kg		J	5BH
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E	Total benzofluoranthenes	371	ug/kg		DNR	19
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E-SIM	Benzoic acid	35.6	ug/kg	J	J	5A,5B,5CL
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E-SIM	Benzyl alcohol	59	ug/kg		J	5BL
23A0099	LDW23-SC1205A	23A0099-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Benzo(a)anthracene	111	ug/kg	D	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Benzo(g,h,i)perylene	106	ug/kg	Q D	J	5BH,8L
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	99.9	ug/kg	J D	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Chrysene	136	ug/kg	D	DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Fluoranthene	211	ug/kg	D	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	86.4	ug/kg	Q D	J	5BH,8L
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Phenanthrene	77.5	ug/kg	J D	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Phenol	89.8	ug/kg	D	DNR	11
23A0099	LDW23-SC1205A	23A0099-12RE1	EPA 8270E	Pyrene	330	ug/kg	D	DNR	11
23A0099	LDW23-SC1109B	23A0099-13	EPA 6020	Silver	0.25	mg/kg	J	J	8L
23A0099	LDW23-SC1109B	23A0099-13	EPA 7471B	Mercury	0.171	mg/kg		J	9
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E	Benzo(a)pyrene	91.1	ug/kg		DNR	19
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E	Benzo(g,h,i)perylene	30.4	ug/kg		DNR	19
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E	Butyl benzyl phthalate	18.5	ug/kg	J	J	5BH
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL19
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E	Fluoranthene	126	ug/kg		J	5BH
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	28.1	ug/kg		DNR	19
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E	Pyrene	206	ug/kg		J	5BH
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E	Total benzofluoranthenes	283	ug/kg		DNR	19
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	5BL
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E-SIM	Benzoic acid	106	ug/kg		J	5A,5B,5CL
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E-SIM	Benzyl alcohol	84.5	ug/kg		J	5BL
23A0099	LDW23-SC1109B	23A0099-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Benzo(a)anthracene	62.5	ug/kg	J D	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Benzo(g,h,i)perylene	81.5	ug/kg	Q D	J	5BH

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	129	ug/kg	J D	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Chrysene	77.9	ug/kg	J D	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Fluoranthene	122	ug/kg	D	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	64	ug/kg	J D	J	5BH
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Phenanthrene	59.6	ug/kg	J D	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Phenol	121	ug/kg	D	DNR	11
23A0099	LDW23-SC1109B	23A0099-13RE1	EPA 8270E	Pyrene	199	ug/kg	D	DNR	11
23A0099	LDW23-IT1154DUP1	BLA0398-DUP1	EPA 1613B	2,3,7,8-TCDD	0.605	ng/kg	EMPC J	U	25
23A0099	LDW23-IT1154DUP1	BLA0398-DUP1	EPA 1613B	Total PeCDD	23.9	ng/kg		J	9
23A0099	LDW23-SC1188DUP1	BLC0692-DUP1	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0099	LDW23-SC1188DUP1	BLC0694-DUP1	EPA 7471B	Mercury	0.163	mg/kg	* L	J	9
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E	Benzo(g,h,i)perylene	29.8	ug/kg	Q	J	5BL
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E	Butyl benzyl phthalate	14.9	ug/kg	J	J	5BH
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E	Fluoranthene	164	ug/kg		J	5BH
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	25.7	ug/kg	Q	J	5BL
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E	Total benzofluoranthenes	259	ug/kg		J	5BH
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E-SIM	Benzoic acid	98.7	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E-SIM	Benzyl alcohol	48.3	ug/kg		J	5BH
23A0100	LDW23-SS1276	23A0100-01	EPA 8270E-SIM	Pentachlorophenol	3.3	ug/kg	J	J	5BL
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8082A	Aroclor-1248	27.1	ug/kg		J	5BL
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E	Benzo(g,h,i)perylene	29	ug/kg	Q	J	5BL
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E	Butyl benzyl phthalate	14.2	ug/kg	J	J	5BH
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E	Fluoranthene	163	ug/kg		J	5BH

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	26.2	ug/kg	Q	J	5BL
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E	Total benzofluoranthenes	267	ug/kg		J	5BH
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E-SIM	Benzoic acid	89.6	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E-SIM	Benzyl alcohol	38.8	ug/kg		J	5BH
23A0100	LDW23-SS1276-FD	23A0100-02	EPA 8270E-SIM	Pentachlorophenol	2.2	ug/kg	J	J	5BL
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E	Benzo(g,h,i)perylene	25.5	ug/kg	Q	J	5BL
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E	Butyl benzyl phthalate	9.4	ug/kg	J	J	5BH
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E	Fluoranthene	153	ug/kg		J	5BH
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	20.7	ug/kg	Q	J	5BL
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E	Total benzofluoranthenes	266	ug/kg		J	5BH
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E-SIM	Benzoic acid	110	ug/kg	Q	J	5A,5B,5CL
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E-SIM	Benzyl alcohol	65.4	ug/kg		J	5BH
23A0100	LDW23-SS1270	23A0100-03	EPA 8270E-SIM	Pentachlorophenol	2.5	ug/kg	J	J	5BL
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E	Benzo(g,h,i)perylene	29.4	ug/kg	Q	J	5BL
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E	Butyl benzyl phthalate	18.1	ug/kg	J	J	5BH
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E	Fluoranthene	170	ug/kg		J	5BH
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	24.5	ug/kg	Q	J	5BL
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E	Total benzofluoranthenes	305	ug/kg		J	5BH
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E-SIM	Benzoic acid	234	ug/kg	Q	J	5A,5B,5CL
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E-SIM	Benzyl alcohol	60.6	ug/kg		J	5BH
23A0100	LDW23-SS1270-FD	23A0100-04	EPA 8270E-SIM	Pentachlorophenol	3.4	ug/kg	J	J	5BL
23A0100	LDW23-SS1265	23A0100-05	EPA 6020	Silver	0.2	mg/kg	J	J	8L
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E	Benzo(g,h,i)perylene	29.1	ug/kg	Q	J	5BL
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E	Butyl benzyl phthalate	12.4	ug/kg	J	J	5BH
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E	Fluoranthene	175	ug/kg		J	5BH
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E	Indeno(1,2,3-cd)pyrene	25.5	ug/kg	Q	J	5BL
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E	Total benzofluoranthenes	312	ug/kg		J	5BH

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E-SIM	Benzoic acid	78.3	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E-SIM	Benzyl alcohol	41.1	ug/kg		J	5BH
23A0100	LDW23-SS1265	23A0100-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E	Benzo(g,h,i)perylene	33.5	ug/kg	Q	J	5BL
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E	Butyl benzyl phthalate	11.4	ug/kg	J	J	5BH
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E	Fluoranthene	200	ug/kg		J	5BH
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	28.8	ug/kg	Q	J	5BL
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E	Total benzofluoranthenes	374	ug/kg		J	5BH
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E-SIM	Benzoic acid	74.3	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E-SIM	Benzyl alcohol	26.8	ug/kg		J	5BH
23A0100	LDW23-SS1265-FD	23A0100-06	EPA 8270E-SIM	Pentachlorophenol	2.2	ug/kg	J	J	5BL
23A0100	LDW23-SS1247	23A0100-07	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E	Benzo(g,h,i)perylene	29.6	ug/kg	Q	J	5BL
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E	Butyl benzyl phthalate	18.7	ug/kg	J	J	5BH
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E	Fluoranthene	237	ug/kg		J	5BH
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	26.4	ug/kg	Q	J	5BL
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E	Total benzofluoranthenes	360	ug/kg		J	5BH
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E-SIM	Benzoic acid	83.9	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E-SIM	Benzyl alcohol	47.3	ug/kg		J	5BH
23A0100	LDW23-SS1247	23A0100-07	EPA 8270E-SIM	Pentachlorophenol	2.2	ug/kg	J	J	5BL
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E	Benzo(g,h,i)perylene	29.1	ug/kg	Q	J	5BL
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E	Butyl benzyl phthalate	14.5	ug/kg	J	J	5BH
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E	Fluoranthene	247	ug/kg		J	5BH
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	27.3	ug/kg	Q	J	5BL
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E	Total benzofluoranthenes	383	ug/kg		J	5BH
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E-SIM	Benzoic acid	106	ug/kg	Q	J	5A,5B,5CL

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E-SIM	Benzyl alcohol	41.7	ug/kg		J	5BH
23A0100	LDW23-SS1247-FD	23A0100-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1226	23A0100-09	EPA 1613B	1,2,3,6,7,8-HxCDF	0.933	ng/kg	J	J	10L
23A0100	LDW23-SS1226	23A0100-09	EPA 1613B	1,2,3,7,8-PeCDD	0.885	ng/kg	EMPC J	U	25
23A0100	LDW23-SS1226	23A0100-09	EPA 1613B	2,3,4,7,8-PeCDF	0.851	ng/kg	EMPC J	U	25
23A0100	LDW23-SS1226	23A0100-09	EPA 1613B	2,3,7,8-TCDD	0.263	ng/kg	EMPC J	U	25
23A0100	LDW23-SS1226	23A0100-09	EPA 1613B	2,3,7,8-TCDF	0.556	ng/kg	EMPC J B	U	25
23A0100	LDW23-SS1226	23A0100-09	EPA 6020	Silver	0.18	mg/kg	J	J	8L
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E	Benzo(g,h,i)perylene	28.4	ug/kg	Q	J	5BL
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E	Butyl benzyl phthalate	12.4	ug/kg	J	J	5BH
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E	Fluoranthene	159	ug/kg		J	5BH
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	23.4	ug/kg	Q	J	5BL
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E	Total benzofluoranthenes	261	ug/kg		J	5BH
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E-SIM	Benzoic acid	82.1	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E-SIM	Benzyl alcohol	28.1	ug/kg		J	5BH
23A0100	LDW23-SS1226	23A0100-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1225	23A0100-10	EPA 6020	Silver	0.17	mg/kg	J	J	8L
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E	Benzo(a)pyrene	87.7	ug/kg		J	19
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E	Benzo(g,h,i)perylene	25.7	ug/kg	Q	J	5BL,19
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E	Butyl benzyl phthalate	22.6	ug/kg		J	5BH
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL,19
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E	Fluoranthene	206	ug/kg		J	5BH
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	23.9	ug/kg	Q	J	5BL,19
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E	Total benzofluoranthenes	342	ug/kg		J	5BH,19
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E-SIM	Benzoic acid	95	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E-SIM	Benzyl alcohol	48.7	ug/kg		J	5BH
23A0100	LDW23-SS1225	23A0100-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	J	5BL
23A0100	LDW23-SS1225-FD	23A0100-11	EPA 6020	Silver	0.18	mg/kg	J	J	8L
23A0100	LDW23-SS1225-FD	23A0100-11	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,10L
23A0100	LDW23-SS1225-FD	23A0100-11	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1225-FD	23A0100-11	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1225-FD	23A0100-11	EPA 8270E	Naphthalene	16.6	ug/kg	J	J	5BH
23A0100	LDW23-SS1225-FD	23A0100-11	EPA 8270E-SIM	2,4-Dimethylphenol	2.7	ug/kg	J	J	10H
23A0100	LDW23-SS1225-FD	23A0100-11	EPA 8270E-SIM	Benzoic acid	171	ug/kg		J	5A,5BL,5CL,10H
23A0100	LDW23-SS1225-FD	23A0100-11	EPA 8270E-SIM	Pentachlorophenol	2.6	ug/kg	J	UJ	5BL,5CL,7
23A0100	LDW23-SS1221	23A0100-12	EPA 6020	Silver	0.17	mg/kg	J	J	8L
23A0100	LDW23-SS1221	23A0100-12	EPA 8270E	Benzo(g,h,i)perylene	14.1	ug/kg	J	J	5BL,10L
23A0100	LDW23-SS1221	23A0100-12	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1221	23A0100-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	15.1	ug/kg	J	J	5BL
23A0100	LDW23-SS1221	23A0100-12	EPA 8270E	Naphthalene	10.7	ug/kg	J	J	5BH
23A0100	LDW23-SS1221	23A0100-12	EPA 8270E-SIM	Benzoic acid	86.9	ug/kg	J	J	5A,5BL,5CL,10H
23A0100	LDW23-SS1221	23A0100-12	EPA 8270E-SIM	Benzyl alcohol	15.5	ug/kg	J	U	7
23A0100	LDW23-SS1221	23A0100-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1220	23A0100-13	EPA 6020	Silver	0.24	mg/kg	J	J	8L
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E	Benzo(g,h,i)perylene	18.1	ug/kg	J	J	5BL,10L
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	19.5	ug/kg	J	J	5BL
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E	Naphthalene	14.4	ug/kg	J	J	5BH
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E	Phenol	188	ug/kg		J	5BL
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E	Total benzofluoranthenes	300	ug/kg		J	5BH
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E-SIM	Benzoic acid	94	ug/kg	J	J	5A,5BL,5CL,10H
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E-SIM	Benzyl alcohol	29.9	ug/kg		U	7
23A0100	LDW23-SS1220	23A0100-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1214	23A0100-14	EPA 6020	Silver	0.14	mg/kg	J	J	8L
23A0100	LDW23-SS1214	23A0100-14	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,10L
23A0100	LDW23-SS1214	23A0100-14	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1214	23A0100-14	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1214	23A0100-14	EPA 8270E	Phenol	129	ug/kg		J	5BL
23A0100	LDW23-SS1214	23A0100-14	EPA 8270E	Total benzofluoranthenes	155	ug/kg		J	5BH
23A0100	LDW23-SS1214	23A0100-14	EPA 8270E-SIM	Benzoic acid	56.1	ug/kg	J	J	5A,5BL,5CL,10H
23A0100	LDW23-SS1214	23A0100-14	EPA 8270E-SIM	Benzyl alcohol	23.3	ug/kg		U	7

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1214	23A0100-14	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1208	23A0100-15	EPA 6020	Silver	0.06	mg/kg	J	J	8L
23A0100	LDW23-SS1208	23A0100-15	EPA 7471B	Mercury	0.0102	mg/kg	J	J	7L
23A0100	LDW23-SS1208	23A0100-15	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL10L
23A0100	LDW23-SS1208	23A0100-15	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1208	23A0100-15	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1208	23A0100-15	EPA 8270E	Phenol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1208	23A0100-15	EPA 8270E	Total benzofluoranthenes	40.3	ug/kg		J	5BH
23A0100	LDW23-SS1208	23A0100-15	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1208	23A0100-15	EPA 8270E-SIM	Benzyl alcohol	9.2	ug/kg	J	U	7
23A0100	LDW23-SS1208	23A0100-15	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1207	23A0100-16	EPA 6020	Cadmium	0.14	mg/kg		U	7
23A0100	LDW23-SS1207	23A0100-16	EPA 6020	Silver	0.05	mg/kg	J	J	8L
23A0100	LDW23-SS1207	23A0100-16	EPA 7471B	Mercury	0.0224	mg/kg	J	J	7L
23A0100	LDW23-SS1207	23A0100-16	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL10L
23A0100	LDW23-SS1207	23A0100-16	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1207	23A0100-16	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1207	23A0100-16	EPA 8270E	Phenol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1207	23A0100-16	EPA 8270E	Total benzofluoranthenes	20.4	ug/kg	J	J	5BH
23A0100	LDW23-SS1207	23A0100-16	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1207	23A0100-16	EPA 8270E-SIM	Benzyl alcohol	8.8	ug/kg	J	U	7
23A0100	LDW23-SS1207	23A0100-16	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1193	23A0100-17	EPA 6020	Silver	0.04	mg/kg	J	J	8L
23A0100	LDW23-SS1193	23A0100-17	EPA 7471B	Mercury	0.0099	mg/kg	J	J	7L
23A0100	LDW23-SS1193	23A0100-17	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL10L
23A0100	LDW23-SS1193	23A0100-17	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1193	23A0100-17	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1193	23A0100-17	EPA 8270E	Phenol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1193	23A0100-17	EPA 8270E	Total benzofluoranthenes	71.9	ug/kg		J	5BH
23A0100	LDW23-SS1193	23A0100-17	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1193	23A0100-17	EPA 8270E-SIM	Benzyl alcohol	9.4	ug/kg	J	U	7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1193	23A0100-17	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1184	23A0100-18	EPA 6020	Cadmium	0.22	mg/kg		U	7
23A0100	LDW23-SS1184	23A0100-18	EPA 6020	Silver	0.16	mg/kg	J	J	8L
23A0100	LDW23-SS1184	23A0100-18	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL10L
23A0100	LDW23-SS1184	23A0100-18	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1184	23A0100-18	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1184	23A0100-18	EPA 8270E	Phenol	181	ug/kg		J	5BL
23A0100	LDW23-SS1184	23A0100-18	EPA 8270E	Total benzofluoranthenes	159	ug/kg		J	5BH
23A0100	LDW23-SS1184	23A0100-18	EPA 8270E-SIM	Benzoic acid	51.5	ug/kg	J	J	5A,5BL,5CL,10F
23A0100	LDW23-SS1184	23A0100-18	EPA 8270E-SIM	Benzyl alcohol	21.8	ug/kg		U	7
23A0100	LDW23-SS1184	23A0100-18	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1182	23A0100-19	EPA 6020	Cadmium	0.27	mg/kg		U	7
23A0100	LDW23-SS1182	23A0100-19	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E	Benzo(g,h,i)perylene	40	ug/kg	Q	J	5BL
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E	Butyl benzyl phthalate	15.7	ug/kg	J	J	5BH
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E	Fluoranthene	287	ug/kg		J	5BH
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E	Indeno(1,2,3-cd)pyrene	33.6	ug/kg	Q	J	5BL
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E	Total benzofluoranthenes	370	ug/kg		J	5BH
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E-SIM	Benzoic acid	61.7	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E-SIM	Benzyl alcohol	21.2	ug/kg		J	5BH
23A0100	LDW23-SS1182	23A0100-19	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1175	23A0100-20	EPA 6020	Cadmium	0.28	mg/kg		U	7
23A0100	LDW23-SS1175	23A0100-20	EPA 6020	Silver	0.24	mg/kg	J	J	8L
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E	Benzo(a)pyrene	162	ug/kg		J	19
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E	Benzo(g,h,i)perylene	47	ug/kg	Q	J	5BL,19
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E	Butyl benzyl phthalate	18.3	ug/kg	J	J	5BH
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E	Dibenzo(a,h)anthracene	19.1	ug/kg	J	J	5BL,19
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E	Fluoranthene	527	ug/kg		J	5BH
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E	Indeno(1,2,3-cd)pyrene	46	ug/kg	Q	J	5BL,19
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E	Total benzofluoranthenes	584	ug/kg		J	5BH,19

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E-SIM	Benzoic acid	66	ug/kg	J	J	5A,5B,5CL
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E-SIM	Benzyl alcohol	17.4	ug/kg	J	J	5BH
23A0100	LDW23-SS1175	23A0100-20	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1154	23A0100-21	EPA 1613B	1,2,3,6,7,8-HxCDF	3.48	ng/kg		J	10L
23A0100	LDW23-SS1154	23A0100-21	EPA 1613B	2,3,4,7,8-PeCDF	4.66	ng/kg	EMPC	J	25
23A0100	LDW23-SS1154	23A0100-21	EPA 1613B	2,3,7,8-TCDF	2.35	ng/kg	X B	J	23H
23A0100	LDW23-SS1154	23A0100-21	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	2-Methylnaphthalene	7.5	ug/kg	J	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	4-Methylphenol	9.4	ug/kg	J	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Acenaphthene	7.3	ug/kg	J	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Anthracene	21.9	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Benzo(a)anthracene	102	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Benzo(a)pyrene	81.5	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Benzo(g,h,i)perylene	44.8	ug/kg	Q	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Bis(2-ethylhexyl)phthalate	62.4	ug/kg	Q	DNR	19
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Butyl benzyl phthalate	20	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Chrysene	244	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Fluoranthene	273	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Indeno(1,2,3-cd)pyrene	43.4	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Naphthalene	9.1	ug/kg	J	DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Phenanthrene	98.1	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Phenol	197	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Pyrene	230	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E	Total benzofluoranthenes	210	ug/kg		DNR	11
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E-SIM	1,4-Dichlorobenzene	0.9	ug/kg	J	U	7
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E-SIM	2,4-Dimethylphenol	2.3	ug/kg	J	J	9

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E-SIM	Benzoic acid	23	ug/kg	J	J	5A,5BL,5CL
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E-SIM	Benzyl alcohol	25.2	ug/kg		J	5BL
23A0100	LDW23-SS1154	23A0100-21	EPA 8270E-SIM	Pentachlorophenol	10.2	ug/kg	J	J	5BL,9
23A0100	LDW23-SS1154	23A0100-21RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	64.3	ug/kg	Q	J	5BL
23A0100	LDW23-SS1149	23A0100-22	EPA 6020	Silver	0.03	mg/kg	J	J	8L
23A0100	LDW23-SS1149	23A0100-22	EPA 7471B	Mercury	0.0108	mg/kg	J	J	7L
23A0100	LDW23-SS1149	23A0100-22	EPA 8270E	Benzo(g,h,i)perylene	34.7	ug/kg	Q	J	5BL
23A0100	LDW23-SS1149	23A0100-22	EPA 8270E	Bis(2-ethylhexyl)phthalate	14.1	ug/kg	J	J	5BL
23A0100	LDW23-SS1149	23A0100-22	EPA 8270E	Indeno(1,2,3-cd)pyrene	35.1	ug/kg		J	5BL
23A0100	LDW23-SS1149	23A0100-22	EPA 8270E	Phenol	4.4	ug/kg	J	U	7
23A0100	LDW23-SS1149	23A0100-22	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0100	LDW23-SS1149	23A0100-22	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23A0100	LDW23-SS1149	23A0100-22	EPA 8270E-SIM	Pentachlorophenol	2.2	ug/kg	J	J	5BL,9
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Anthracene	12.8	ug/kg	J	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Benzo(a)anthracene	60.6	ug/kg		DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Benzo(a)pyrene	49.3	ug/kg		DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Benzo(g,h,i)perylene	35.7	ug/kg		DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	12.5	ug/kg	J	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Chrysene	69	ug/kg		DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Fluoranthene	123	ug/kg		DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	33.6	ug/kg		DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Phenanthrene	79.2	ug/kg		DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Phenol	5.3	ug/kg	J	DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Pyrene	97.7	ug/kg		DNR	11
23A0100	LDW23-SS1149	23A0100-22RE1	EPA 8270E	Total benzofluoranthenes	115	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 6020	Cadmium	0.31	mg/kg		U	7
23A0100	LDW23-SS1130	23A0100-23	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	2-Methylnaphthalene	10	ug/kg	J	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	4-Methylphenol	10.7	ug/kg	J	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Acenaphthene	10.7	ug/kg	J	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Anthracene	22.9	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Benzo(a)anthracene	73.7	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Benzo(a)pyrene	66.6	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Benzo(g,h,i)perylene	38.5	ug/kg	Q	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Bis(2-ethylhexyl)phthalate	77.3	ug/kg	Q	DNR	19
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Butyl benzyl phthalate	12.1	ug/kg	J	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Chrysene	109	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Fluoranthene	205	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Indeno(1,2,3-cd)pyrene	37.4	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Naphthalene	13.3	ug/kg	J	DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Phenanthrene	93.7	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Phenol	159	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Pyrene	188	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E	Total benzofluoranthenes	178	ug/kg		DNR	11
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E-SIM	1,4-Dichlorobenzene	1.5	ug/kg	J	U	7
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E-SIM	2,4-Dimethylphenol	2.2	ug/kg	J	J	9
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E-SIM	Benzoic acid	37.7	ug/kg	J	J	5A,5BL,5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E-SIM	Benzyl alcohol	36.8	ug/kg		J	5BL
23A0100	LDW23-SS1130	23A0100-23	EPA 8270E-SIM	Pentachlorophenol	4.2	ug/kg	J	J	5BL,9
23A0100	LDW23-SS1130	23A0100-23RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	80.7	ug/kg	Q	J	5BL
23A0100	LDW23-SS1226DUP1	BLA0261-DUP1	EPA 1613B	1,2,3,6,7,8-HxCDF	1.03	ng/kg	EMPC	J	10L, 25
23A0100	LDW23-SS1226DUP1	BLA0261-DUP1	EPA 1613B	2,3,7,8-TCDD	0.234	ng/kg	EMPC J	U	25
23A0100	LDW23-SS1270-FDDUP1	BLC0349-DUP1	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0133	LDW23-SC1250	23A0133-03	EPA 6020	Cadmium	0.3	mg/kg		U	7
23A0133	LDW23-SC1250	23A0133-03	EPA 6020	Silver	0.26	mg/kg	J	J	8L
23A0133	LDW23-SC1250	23A0133-03	EPA 7471B	Mercury	0.0766	mg/kg		J	7L
23A0133	LDW23-SC1250	23A0133-03	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	5BH,9
23A0133	LDW23-SC1250	23A0133-03	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0133	LDW23-SC1250	23A0133-03	EPA 8270E-SIM	Benzyl alcohol	7.4	ug/kg	J	J	5BL
23A0133	LDW23-SC1250	23A0133-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SC1244-FD	23A0133-05	EPA 8082A	Aroclor-1254	48.6	ug/kg	P1	J	3
23A0133	LDW23-SC1241	23A0133-06	EPA 1613B	1,2,3,6,7,8-HxCDF	0.983	ng/kg	J	J	10L
23A0133	LDW23-SC1241	23A0133-06	EPA 1613B	1,2,3,7,8,9-HxCDF	0.586	ng/kg	EMPC J B	U	25
23A0133	LDW23-SC1241	23A0133-06	EPA 1613B	1,2,3,7,8-PeCDD	1.13	ng/kg	EMPC	J	25
23A0133	LDW23-SC1241	23A0133-06	EPA 1613B	2,3,4,6,7,8-HxCDF	1.08	ng/kg	EMPC	J	25
23A0133	LDW23-SC1241	23A0133-06	EPA 1613B	2,3,4,7,8-PeCDF	0.962	ng/kg	EMPC J	U	25
23A0133	LDW23-SC1241	23A0133-06	EPA 1613B	2,3,7,8-TCDD	0.326	ng/kg	EMPC J	U	25
23A0133	LDW23-SC1241	23A0133-06	EPA 6020	Cadmium	0.24	mg/kg		U	7
23A0133	LDW23-SC1241	23A0133-06	EPA 6020	Silver	0.2	mg/kg	J	J	8L
23A0133	LDW23-SC1241	23A0133-06	EPA 7471B	Mercury	0.0785	mg/kg		J	7L
23A0133	LDW23-SC1241	23A0133-06	EPA 8270E-SIM	2,4-Dimethylphenol	2.4	ug/kg	J	J	5BH,9
23A0133	LDW23-SC1241	23A0133-06	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0133	LDW23-SC1241	23A0133-06	EPA 8270E-SIM	Benzyl alcohol	27.2	ug/kg		J	5BL
23A0133	LDW23-SC1241	23A0133-06	EPA 8270E-SIM	Pentachlorophenol	2.8	ug/kg	J	J	5BL
23A0133	LDW23-IT1217	23A0133-07	EPA 1613B	1,2,3,4,7,8-HxCDD	0.407	ng/kg	EMPC J	U	25
23A0133	LDW23-IT1217	23A0133-07	EPA 1613B	1,2,3,6,7,8-HxCDD	1.1	ng/kg	EMPC	J	25
23A0133	LDW23-IT1217	23A0133-07	EPA 1613B	1,2,3,6,7,8-HxCDF	0.616	ng/kg	J	J	10L
23A0133	LDW23-IT1217	23A0133-07	EPA 1613B	1,2,3,7,8,9-HxCDF	0.268	ng/kg	J B	U	7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0133	LDW23-IT1217	23A0133-07	EPA 1613B	2,3,4,7,8-PeCDF	0.716	ng/kg	EMPC J	U	25
23A0133	LDW23-IT1217	23A0133-07	EPA 1613B	2,3,7,8-TCDD	0.233	ng/kg	EMPC J	U	25
23A0133	LDW23-IT1217	23A0133-07	EPA 1613B	2,3,7,8-TCDF	0.82	ng/kg	X J B	J	23H
23A0133	LDW23-IT1217	23A0133-07	EPA 6020	Cadmium	0.34	mg/kg		U	7
23A0133	LDW23-IT1217	23A0133-07	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E	Benzo(a)anthracene	81.2	ug/kg		J	9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E	Benzo(a)pyrene	54.4	ug/kg		J	9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E	Benzo(g,h,i)perylene	41	ug/kg		J	9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E	Chrysene	98.7	ug/kg		J	9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E	Fluoranthene	206	ug/kg		J	9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	35.4	ug/kg		J	9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E	Pyrene	231	ug/kg		J	8,9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E	Total benzofluoranthenes	137	ug/kg		J	9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E-SIM	2,4-Dimethylphenol	2.3	ug/kg	J	J	5BH,9
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E-SIM	Benzyl alcohol	6.1	ug/kg	J	J	5BL
23A0133	LDW23-IT1217	23A0133-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SC1185	23A0133-08	EPA 6020	Cadmium	0.35	mg/kg		U	7
23A0133	LDW23-SC1185	23A0133-08	EPA 6020	Silver	0.24	mg/kg	J	J	8L
23A0133	LDW23-SC1185	23A0133-08	EPA 7471B	Mercury	0.0752	mg/kg		J	7L
23A0133	LDW23-SC1185	23A0133-08	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0133	LDW23-SC1185	23A0133-08	EPA 8270E-SIM	Benzyl alcohol	20.2	ug/kg		J	5BL
23A0133	LDW23-SC1185	23A0133-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SC1234	23A0133-09	EPA 6020	Cadmium	0.22	mg/kg		U	7
23A0133	LDW23-SC1234	23A0133-09	EPA 6020	Silver	0.17	mg/kg	J	J	8L
23A0133	LDW23-SC1234	23A0133-09	EPA 7471B	Mercury	0.079	mg/kg		J	7L
23A0133	LDW23-SC1234	23A0133-09	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0133	LDW23-SC1234	23A0133-09	EPA 8270E-SIM	Benzyl alcohol	7.9	ug/kg	J	J	5BL
23A0133	LDW23-SC1234	23A0133-09	EPA 8270E-SIM	n-Nitrosodiphenylamine	2.2	ug/kg	J	J	5BH
23A0133	LDW23-SC1234	23A0133-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SC1215	23A0133-10	EPA 1613B	1,2,3,4,7,8,9-HpCDF	1.22	ng/kg	EMPC	J	25

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0133	LDW23-SC1215	23A0133-10	EPA 1613B	1,2,3,6,7,8-HxCDF	2.07	ng/kg		J	5BL,10L
23A0133	LDW23-SC1215	23A0133-10	EPA 1613B	2,3,7,8-TCDD	0.303	ng/kg	EMPC J	U	25
23A0133	LDW23-SC1215	23A0133-10	EPA 1613B	2,3,7,8-TCDF	2.8	ng/kg	X B	J	23H
23A0133	LDW23-SC1215	23A0133-10	EPA 6020	Silver	0.68	mg/kg		J	8L
23A0133	LDW23-SC1215	23A0133-10	EPA 8082A	Aroclor-1254	63	ug/kg	P1 D	NJ	3
23A0133	LDW23-SC1215	23A0133-10	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0133	LDW23-SC1215	23A0133-10	EPA 8270E-SIM	Benzyl alcohol	6.9	ug/kg	J	J	5BL
23A0133	LDW23-SC1215	23A0133-10	EPA 8270E-SIM	Pentachlorophenol	5.9	ug/kg	J	J	5BL
23A0133	LDW23-SC1222	23A0133-11	EPA 1613B	1,2,3,6,7,8-HxCDF	21.9	ng/kg		J	5BL,10L
23A0133	LDW23-SC1222	23A0133-11	EPA 1613B	2,3,7,8-TCDD	0.368	ng/kg	EMPC J	U	25
23A0133	LDW23-SC1222	23A0133-11	EPA 1613B	2,3,7,8-TCDF	3.04	ng/kg	X B	J	23H
23A0133	LDW23-SC1222	23A0133-11	EPA 1613B	OCDD	7990	ng/kg	E B	J	20
23A0133	LDW23-SC1222	23A0133-11	EPA 6020	Silver	0.88	mg/kg		J	8L
23A0133	LDW23-SC1222	23A0133-11	EPA 8082A	Aroclor-1260	130	ug/kg		J	19
23A0133	LDW23-SC1222	23A0133-11	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0133	LDW23-SC1222	23A0133-11	EPA 8270E-SIM	Benzyl alcohol	10.6	ug/kg	J	J	5BL
23A0133	LDW23-SC1222	23A0133-11	EPA 8270E-SIM	n-Nitrosodiphenylamine	5.1	ug/kg		J	5BH
23A0133	LDW23-SC1222	23A0133-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SC1227	23A0133-12	EPA 6020	Silver	0.39	mg/kg		J	8L
23A0133	LDW23-SC1227	23A0133-12	EPA 8270E-SIM	2,4-Dimethylphenol	3.3	ug/kg	J	J	5BH,9
23A0133	LDW23-SC1227	23A0133-12	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0133	LDW23-SC1227	23A0133-12	EPA 8270E-SIM	Benzyl alcohol	8.4	ug/kg	J	J	5BL
23A0133	LDW23-SC1227	23A0133-12	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.9	ug/kg	J	J	5BH
23A0133	LDW23-SC1227	23A0133-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SS1110	23A0133-13	EPA 6020	Silver	0.13	mg/kg	J	J	8L
23A0133	LDW23-SS1110	23A0133-13	EPA 7471B	Mercury	0.0487	mg/kg		J	7L
23A0133	LDW23-SS1110	23A0133-13	EPA 8270E-SIM	Benzoic acid	34.4	ug/kg	J	J	5A,5B,5CL
23A0133	LDW23-SS1110	23A0133-13	EPA 8270E-SIM	Benzyl alcohol	17.4	ug/kg	J	J	5BL
23A0133	LDW23-SS1110	23A0133-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SS1109	23A0133-14	EPA 6020	Silver	0.18	mg/kg	J	J	8L
23A0133	LDW23-SS1109	23A0133-14	EPA 7471B	Mercury	0.0467	mg/kg	J	J	7L

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0133	LDW23-SS1109	23A0133-14	EPA 8270E-SIM	Benzoic acid	46.3	ug/kg	J	J	5A,5B,5CL
23A0133	LDW23-SS1109	23A0133-14	EPA 8270E-SIM	Benzyl alcohol	26.3	ug/kg		J	5BL
23A0133	LDW23-SS1109	23A0133-14	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SS1092	23A0133-15	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0133	LDW23-SS1092	23A0133-15	EPA 8270E-SIM	Benzoic acid	52.6	ug/kg	J	J	5A,5B,5CL
23A0133	LDW23-SS1092	23A0133-15	EPA 8270E-SIM	Benzyl alcohol	24.1	ug/kg		J	5BL
23A0133	LDW23-SS1092	23A0133-15	EPA 8270E-SIM	n-Nitrosodiphenylamine	2.2	ug/kg	J	J	5BH
23A0133	LDW23-SS1092	23A0133-15	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SS1091	23A0133-16	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0133	LDW23-SS1091	23A0133-16	EPA 7471B	Mercury	0.0524	mg/kg		J	7L
23A0133	LDW23-SS1091	23A0133-16	EPA 8270E-SIM	Benzoic acid	80.4	ug/kg	J	J	5A,5B,5CL
23A0133	LDW23-SS1091	23A0133-16	EPA 8270E-SIM	Benzyl alcohol	28.3	ug/kg	J	J	5BL
23A0133	LDW23-SS1091	23A0133-16	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0133	LDW23-SC1250DUP2	BLC0703-DUP2	EPA 6020	Silver	0.23	mg/kg	J	J	8L
23A0134	LDW23-SS1205	23A0134-01	EPA 6020	Silver	0.16	mg/kg	J	J	8L
23A0134	LDW23-SS1205	23A0134-01	EPA 8270E	Benzo(g,h,i)perylene	39.6	ug/kg		J	5BL
23A0134	LDW23-SS1205	23A0134-01	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1205	23A0134-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	34	ug/kg		J	5BL
23A0134	LDW23-SS1205	23A0134-01	EPA 8270E	Total benzofluoranthenes	177	ug/kg		J	5BH
23A0134	LDW23-SS1205	23A0134-01	EPA 8270E-SIM	2,4-Dimethylphenol	2.9	ug/kg	J	J	5CL
23A0134	LDW23-SS1205	23A0134-01	EPA 8270E-SIM	Benzoic acid	80.1	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1205	23A0134-01	EPA 8270E-SIM	Pentachlorophenol	4.9	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1188	23A0134-02	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0134	LDW23-SS1188	23A0134-02	EPA 7471B	Mercury	0.0699	mg/kg		J	7L
23A0134	LDW23-SS1188	23A0134-02	EPA 8270E	Benzo(g,h,i)perylene	87.3	ug/kg		J	5BL
23A0134	LDW23-SS1188	23A0134-02	EPA 8270E	Dibenzo(a,h)anthracene	34.1	ug/kg		J	5BL
23A0134	LDW23-SS1188	23A0134-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	95.2	ug/kg		J	5BL
23A0134	LDW23-SS1188	23A0134-02	EPA 8270E	Total benzofluoranthenes	915	ug/kg		J	5BH
23A0134	LDW23-SS1188	23A0134-02	EPA 8270E-SIM	2,4-Dimethylphenol	2.2	ug/kg	J	J	5CL
23A0134	LDW23-SS1188	23A0134-02	EPA 8270E-SIM	Benzoic acid	71.7	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1188	23A0134-02	EPA 8270E-SIM	Pentachlorophenol	4.4	ug/kg	J	J	5A,5BL,5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0134	LDW23-SS1179	23A0134-03	EPA 6020	Silver	0.2	mg/kg	J	J	8L
23A0134	LDW23-SS1179	23A0134-03	EPA 8270E	Benzo(g,h,i)perylene	170	ug/kg		J	5BL
23A0134	LDW23-SS1179	23A0134-03	EPA 8270E	Dibenzo(a,h)anthracene	64.4	ug/kg		J	5BL
23A0134	LDW23-SS1179	23A0134-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	191	ug/kg		J	5BL
23A0134	LDW23-SS1179	23A0134-03	EPA 8270E	Total benzofluoranthenes	1200	ug/kg		J	5BH
23A0134	LDW23-SS1179	23A0134-03	EPA 8270E-SIM	1,4-Dichlorobenzene	1.2	ug/kg	J	U	7
23A0134	LDW23-SS1179	23A0134-03	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1179	23A0134-03	EPA 8270E-SIM	Benzoic acid	108	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1179	23A0134-03	EPA 8270E-SIM	Pentachlorophenol	2.4	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1242	23A0134-04	EPA 6020	Silver	0.24	mg/kg	J	J	8L
23A0134	LDW23-SS1242	23A0134-04	EPA 8270E	Benzo(g,h,i)perylene	24.6	ug/kg		J	5BL
23A0134	LDW23-SS1242	23A0134-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1242	23A0134-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	21.8	ug/kg		J	5BL
23A0134	LDW23-SS1242	23A0134-04	EPA 8270E	Total benzofluoranthenes	230	ug/kg		J	5BH
23A0134	LDW23-SS1242	23A0134-04	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	U	7
23A0134	LDW23-SS1242	23A0134-04	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1242	23A0134-04	EPA 8270E-SIM	Benzoic acid	115	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1242	23A0134-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5A,5BL,5CL
23A0134	LDW23-SS1173	23A0134-05	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0134	LDW23-SS1173	23A0134-05	EPA 8270E	Benzo(g,h,i)perylene	37.6	ug/kg		J	5BL
23A0134	LDW23-SS1173	23A0134-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1173	23A0134-05	EPA 8270E	Indeno(1,2,3-cd)pyrene	40.9	ug/kg		J	5BL
23A0134	LDW23-SS1173	23A0134-05	EPA 8270E	Total benzofluoranthenes	519	ug/kg		J	5BH
23A0134	LDW23-SS1173	23A0134-05	EPA 8270E-SIM	1,4-Dichlorobenzene	1.5	ug/kg	J	U	7
23A0134	LDW23-SS1173	23A0134-05	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1173	23A0134-05	EPA 8270E-SIM	Benzoic acid	171	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1173	23A0134-05	EPA 8270E-SIM	Pentachlorophenol	6.7	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1160	23A0134-06	EPA 1613B	1,2,3,6,7,8-HxCDF	2.32	ng/kg		J	5BL,10L
23A0134	LDW23-SS1160	23A0134-06	EPA 1613B	1,2,3,7,8,9-HxCDF	1.25	ng/kg	EMPC B	J	25
23A0134	LDW23-SS1160	23A0134-06	EPA 1613B	2,3,4,7,8-PeCDF	2.25	ng/kg	EMPC	J	25
23A0134	LDW23-SS1160	23A0134-06	EPA 1613B	2,3,7,8-TCDD	0.468	ng/kg	EMPC J	U	25

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0134	LDW23-SS1160	23A0134-06	EPA 6020	Silver	0.28	mg/kg	J	J	8L
23A0134	LDW23-SS1160	23A0134-06	EPA 8081B	Hexachlorobenzene	0.27	ug/kg	P1 J	NJ	3
23A0134	LDW23-SS1160	23A0134-06	EPA 8270E	Benzo(g,h,i)perylene	16.1	ug/kg	J	J	5BL
23A0134	LDW23-SS1160	23A0134-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1160	23A0134-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	16.6	ug/kg	J	J	5BL
23A0134	LDW23-SS1160	23A0134-06	EPA 8270E	Total benzofluoranthenes	225	ug/kg		J	5BH
23A0134	LDW23-SS1160	23A0134-06	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1160	23A0134-06	EPA 8270E-SIM	Benzoic acid	115	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1160	23A0134-06	EPA 8270E-SIM	Pentachlorophenol	11.7	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1152	23A0134-07	EPA 6020	Silver	0.27	mg/kg	J	J	8L
23A0134	LDW23-SS1152	23A0134-07	EPA 8270E	Benzo(g,h,i)perylene	16.7	ug/kg	J	J	5BL
23A0134	LDW23-SS1152	23A0134-07	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1152	23A0134-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	17.4	ug/kg	J	J	5BL
23A0134	LDW23-SS1152	23A0134-07	EPA 8270E	Total benzofluoranthenes	210	ug/kg		J	5BH
23A0134	LDW23-SS1152	23A0134-07	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1152	23A0134-07	EPA 8270E-SIM	Benzoic acid	112	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1152	23A0134-07	EPA 8270E-SIM	Pentachlorophenol	2.6	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1131	23A0134-08	EPA 6020	Silver	0.15	mg/kg	J	J	8L
23A0134	LDW23-SS1131	23A0134-08	EPA 7471B	Mercury	0.0418	mg/kg	J	J	7L
23A0134	LDW23-SS1131	23A0134-08	EPA 8270E	Benzo(g,h,i)perylene	19.3	ug/kg	J	J	5BL
23A0134	LDW23-SS1131	23A0134-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1131	23A0134-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	20.5	ug/kg		J	5BL
23A0134	LDW23-SS1131	23A0134-08	EPA 8270E	Total benzofluoranthenes	247	ug/kg		J	5BH
23A0134	LDW23-SS1131	23A0134-08	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	U	7
23A0134	LDW23-SS1131	23A0134-08	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1131	23A0134-08	EPA 8270E-SIM	Benzoic acid	145	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1131	23A0134-08	EPA 8270E-SIM	Pentachlorophenol	2.5	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1129	23A0134-09	EPA 7471B	Mercury	0.177	mg/kg		J	9
23A0134	LDW23-SS1129	23A0134-09	EPA 8270E	Benzo(g,h,i)perylene	21.6	ug/kg		J	5BL
23A0134	LDW23-SS1129	23A0134-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1129	23A0134-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	23.1	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0134	LDW23-SS1129	23A0134-09	EPA 8270E	Total benzofluoranthenes	324	ug/kg		J	5BH
23A0134	LDW23-SS1129	23A0134-09	EPA 8270E-SIM	1,4-Dichlorobenzene	1.7	ug/kg	J	U	7
23A0134	LDW23-SS1129	23A0134-09	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1129	23A0134-09	EPA 8270E-SIM	Benzoic acid	184	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1129	23A0134-09	EPA 8270E-SIM	Pentachlorophenol	9.3	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1124	23A0134-10	EPA 7471B	Mercury	0.102	mg/kg		J	9
23A0134	LDW23-SS1124	23A0134-10	EPA 8082A	Aroclor-1248	27	ug/kg	P1	J	3
23A0134	LDW23-SS1124	23A0134-10	EPA 8270E	Benzo(g,h,i)perylene	25.9	ug/kg		J	5BL
23A0134	LDW23-SS1124	23A0134-10	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1124	23A0134-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	26.1	ug/kg		J	5BL
23A0134	LDW23-SS1124	23A0134-10	EPA 8270E	Total benzofluoranthenes	459	ug/kg		J	5BH
23A0134	LDW23-SS1124	23A0134-10	EPA 8270E-SIM	1,4-Dichlorobenzene	1.7	ug/kg	J	U	7
23A0134	LDW23-SS1124	23A0134-10	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1124	23A0134-10	EPA 8270E-SIM	Benzoic acid	257	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1124	23A0134-10	EPA 8270E-SIM	Pentachlorophenol	2.9	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1123	23A0134-11	EPA 7471B	Mercury	0.148	mg/kg		J	9
23A0134	LDW23-SS1123	23A0134-11	EPA 8270E	Benzo(g,h,i)perylene	25.4	ug/kg		J	5BL
23A0134	LDW23-SS1123	23A0134-11	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1123	23A0134-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	25.8	ug/kg		J	5BL
23A0134	LDW23-SS1123	23A0134-11	EPA 8270E	Total benzofluoranthenes	385	ug/kg		J	5BH
23A0134	LDW23-SS1123	23A0134-11	EPA 8270E-SIM	1,4-Dichlorobenzene	1.5	ug/kg	J	U	7
23A0134	LDW23-SS1123	23A0134-11	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1123	23A0134-11	EPA 8270E-SIM	Benzoic acid	162	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1123	23A0134-11	EPA 8270E-SIM	Pentachlorophenol	3.7	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SS1116	23A0134-12	EPA 7471B	Mercury	0.0458	mg/kg		J	7L,9
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E	Benzo(g,h,i)perylene	17.4	ug/kg	J	J	5BL
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E	Butyl benzyl phthalate	16.4	ug/kg	J	J	5BH
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E	Fluoranthene	67.5	ug/kg		J	5BH
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E	Total benzofluoranthenes	118	ug/kg		J	5BH

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E-SIM	Benzoic acid	125	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E-SIM	Benzyl alcohol	34.5	ug/kg		J	5BL
23A0134	LDW23-SS1116	23A0134-12	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-IT1210	23A0134-13	EPA 7471B	Mercury	0.139	mg/kg		J	9
23A0134	LDW23-IT1210	23A0134-13	EPA 8082A	Aroclor-1248	1130	ug/kg	D	J	13H
23A0134	LDW23-IT1210	23A0134-13	EPA 8082A	Aroclor-1254	1780	ug/kg	D	J	13H
23A0134	LDW23-IT1210	23A0134-13	EPA 8082A	Aroclor-1260	617	ug/kg	D	J	13H
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E	Benzo(g,h,i)perylene	34.9	ug/kg		J	5BL,8L
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E	Butyl benzyl phthalate	57.9	ug/kg		J	5BH
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL,8L
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E	Fluoranthene	281	ug/kg		J	5BH
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	36	ug/kg		J	5BL,8L
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E	Total benzofluoranthenes	789	ug/kg		J	5BH
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E-SIM	1,2-Dichlorobenzene	2.8	ug/kg	J	U	7
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E-SIM	2,4-Dimethylphenol	3.5	ug/kg	J	J	5CL
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E-SIM	Benzoic acid	64.6	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E-SIM	Benzyl alcohol	39.5	ug/kg		J	5BL
23A0134	LDW23-IT1210	23A0134-13	EPA 8270E-SIM	Pentachlorophenol	5.4	ug/kg	J	J	5A,5BL,5CL,8H
23A0134	LDW23-IT1194	23A0134-14	EPA 1613B	1,2,3,4,7,8-HxCDD	0.429	ng/kg	EMPC J	U	25
23A0134	LDW23-IT1194	23A0134-14	EPA 1613B	1,2,3,6,7,8-HxCDF	0.447	ng/kg	J	J	5BL,10L
23A0134	LDW23-IT1194	23A0134-14	EPA 1613B	1,2,3,7,8,9-HxCDF	0.3	ng/kg	EMPC J B	U	25
23A0134	LDW23-IT1194	23A0134-14	EPA 1613B	1,2,3,7,8-PeCDD	0.597	ng/kg	EMPC J	U	25
23A0134	LDW23-IT1194	23A0134-14	EPA 1613B	1,2,3,7,8-PeCDF	0.253	ng/kg	EMPC J	U	25
23A0134	LDW23-IT1194	23A0134-14	EPA 1613B	2,3,4,7,8-PeCDF	0.376	ng/kg	EMPC J	U	25
23A0134	LDW23-IT1194	23A0134-14	EPA 1613B	2,3,7,8-TCDD	0.18	ng/kg	EMPC J	U	25
23A0134	LDW23-IT1194	23A0134-14	EPA 1613B	2,3,7,8-TCDF	0.36	ng/kg	EMPC J B	U	25
23A0134	LDW23-IT1194	23A0134-14	EPA 8082A	Aroclor-1260	25	ug/kg		J	19
23A0134	LDW23-IT1194	23A0134-14	EPA 8270E-SIM	Benzo(b)fluoranthene	68.3	ug/kg		J	9
23A0134	LDW23-IT1194	23A0134-14	EPA 8270E-SIM	Chrysene	114	ug/kg		J	9
23A0134	LDW23-SC1249	23A0134-15	EPA 7471B	Mercury	0.106	mg/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E	Benzo(g,h,i)perylene	20.4	ug/kg		J	5BL
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E	Butyl benzyl phthalate	17.5	ug/kg	J	J	5BH
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E	Fluoranthene	123	ug/kg		J	5BH
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E	Indeno(1,2,3-cd)pyrene	20.1	ug/kg		J	5BL
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E	Total benzofluoranthenes	360	ug/kg		J	5BH
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E-SIM	1,4-Dichlorobenzene	2.1	ug/kg	J	U	7
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E-SIM	2,4-Dimethylphenol	3.2	ug/kg	J	J	5CL
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E-SIM	Benzoic acid	121	ug/kg	Q	J	5A,5BL,5CL
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E-SIM	Benzyl alcohol	30.2	ug/kg		J	5BL
23A0134	LDW23-SC1249	23A0134-15	EPA 8270E-SIM	Pentachlorophenol	4.9	ug/kg	J	J	5A,5BL,5CL
23A0134	LDW23-SC1077	23A0134-16	EPA 8082A	Aroclor-1260	53.6	ug/kg		J	8L
23A0157	LDW23-SC1277	23A0157-01	EPA 7471B	Mercury	0.155	mg/kg		J	9
23A0157	LDW23-SC1277	23A0157-01	EPA 8270E	Benzo(g,h,i)perylene	42.6	ug/kg		J	5BL
23A0157	LDW23-SC1277	23A0157-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	50.9	ug/kg		J	10L
23A0157	LDW23-SC1277	23A0157-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	40.9	ug/kg		J	5BL
23A0157	LDW23-SC1277	23A0157-01	EPA 8270E-SIM	1,2-Dichlorobenzene	1.1	ug/kg	J	U	7
23A0157	LDW23-SC1277	23A0157-01	EPA 8270E-SIM	2,4-Dimethylphenol	2.7	ug/kg	J	J	5BH
23A0157	LDW23-SC1277	23A0157-01	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1277	23A0157-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1206	23A0157-03	EPA 7471B	Mercury	0.0157	mg/kg	J	J	9
23A0157	LDW23-SC1206	23A0157-03	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1206	23A0157-03	EPA 8270E	Bis(2-ethylhexyl)phthalate	6.6	ug/kg	J	J	8L,10L
23A0157	LDW23-SC1206	23A0157-03	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1206	23A0157-03	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1206	23A0157-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1248	23A0157-04	EPA 8082A	Aroclor-1254	93.2	ug/kg	P1	J	3
23A0157	LDW23-SC1239	23A0157-06	EPA 6020	Cadmium	0.19	mg/kg		U	7
23A0157	LDW23-SC1239	23A0157-06	EPA 7471B	Mercury	0.157	mg/kg		J	9
23A0157	LDW23-SC1239	23A0157-06	EPA 8270E	Benzo(g,h,i)perylene	30.1	ug/kg		J	5BL
23A0157	LDW23-SC1239	23A0157-06	EPA 8270E	Bis(2-ethylhexyl)phthalate	31.1	ug/kg	J	J	10L

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0157	LDW23-SC1239	23A0157-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	27.4	ug/kg		J	5BL
23A0157	LDW23-SC1239	23A0157-06	EPA 8270E-SIM	1,4-Dichlorobenzene	1.2	ug/kg	J	U	7
23A0157	LDW23-SC1239	23A0157-06	EPA 8270E-SIM	2,4-Dimethylphenol	4.4	ug/kg	J	J	5BH
23A0157	LDW23-SC1239	23A0157-06	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1239	23A0157-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1271	23A0157-07	EPA 7471B	Mercury	0.132	mg/kg		J	9
23A0157	LDW23-SC1271	23A0157-07	EPA 8270E	Benzo(g,h,i)perylene	57.9	ug/kg		J	5BL
23A0157	LDW23-SC1271	23A0157-07	EPA 8270E	Bis(2-ethylhexyl)phthalate	111	ug/kg		J	10L
23A0157	LDW23-SC1271	23A0157-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	56.3	ug/kg		J	5BL
23A0157	LDW23-SC1271	23A0157-07	EPA 8270E-SIM	1,4-Dichlorobenzene	3.6	ug/kg	J	U	7
23A0157	LDW23-SC1271	23A0157-07	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1271	23A0157-07	EPA 8270E-SIM	Benzyl alcohol	17	ug/kg	J	U	7
23A0157	LDW23-SC1271	23A0157-07	EPA 8270E-SIM	n-Nitrosodiphenylamine	2.8	ug/kg	J	J	5BH
23A0157	LDW23-SC1271	23A0157-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1266	23A0157-08	EPA 7471B	Mercury	0.117	mg/kg		J	9
23A0157	LDW23-SC1266	23A0157-08	EPA 8270E	Benzo(g,h,i)perylene	45.2	ug/kg		J	5BL
23A0157	LDW23-SC1266	23A0157-08	EPA 8270E	Bis(2-ethylhexyl)phthalate	47.9	ug/kg	J	J	10L
23A0157	LDW23-SC1266	23A0157-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	44.6	ug/kg		J	5BL
23A0157	LDW23-SC1266	23A0157-08	EPA 8270E-SIM	1,4-Dichlorobenzene	3.5	ug/kg	J	U	7
23A0157	LDW23-SC1266	23A0157-08	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1266	23A0157-08	EPA 8270E-SIM	Benzyl alcohol	17.5	ug/kg	J	U	7
23A0157	LDW23-SC1266	23A0157-08	EPA 8270E-SIM	n-Nitrosodiphenylamine	2.4	ug/kg	J	J	5BH
23A0157	LDW23-SC1266	23A0157-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1200	23A0157-09	EPA 7471B	Mercury	0.0877	mg/kg		J	9
23A0157	LDW23-SC1200	23A0157-09	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1200	23A0157-09	EPA 8270E	Bis(2-ethylhexyl)phthalate		ug/kg	U	UJ	10L
23A0157	LDW23-SC1200	23A0157-09	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1200	23A0157-09	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1200	23A0157-09	EPA 8270E-SIM	Benzyl alcohol	13.6	ug/kg	J	U	7
23A0157	LDW23-SC1200	23A0157-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1213	23A0157-10	EPA 7471B	Mercury	0.152	mg/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0157	LDW23-SC1213	23A0157-10	EPA 8270E	Benzo(g,h,i)perylene	59.7	ug/kg		J	5BL
23A0157	LDW23-SC1213	23A0157-10	EPA 8270E	Bis(2-ethylhexyl)phthalate	68.1	ug/kg		J	10L
23A0157	LDW23-SC1213	23A0157-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	55.5	ug/kg		J	5BL
23A0157	LDW23-SC1213	23A0157-10	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1213	23A0157-10	EPA 8270E-SIM	Benzyl alcohol	35.9	ug/kg		U	7
23A0157	LDW23-SC1213	23A0157-10	EPA 8270E-SIM	n-Nitrosodiphenylamine	2.7	ug/kg	J	J	5BH
23A0157	LDW23-SC1213	23A0157-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1192	23A0157-11	EPA 7471B	Mercury	0.0306	mg/kg		J	9
23A0157	LDW23-SC1192	23A0157-11	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1192	23A0157-11	EPA 8270E	Bis(2-ethylhexyl)phthalate		ug/kg	U	UJ	10L
23A0157	LDW23-SC1192	23A0157-11	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1192	23A0157-11	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1192	23A0157-11	EPA 8270E-SIM	Benzyl alcohol	11.6	ug/kg	J	U	7
23A0157	LDW23-SC1192	23A0157-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1178	23A0157-12	EPA 7471B	Mercury	0.154	mg/kg		J	9
23A0157	LDW23-SC1178	23A0157-12	EPA 8270E	Benzo(g,h,i)perylene	90.7	ug/kg		J	5BL
23A0157	LDW23-SC1178	23A0157-12	EPA 8270E	Bis(2-ethylhexyl)phthalate	69.5	ug/kg		J	10L
23A0157	LDW23-SC1178	23A0157-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	89.2	ug/kg		J	5BL
23A0157	LDW23-SC1178	23A0157-12	EPA 8270E-SIM	1,2-Dichlorobenzene	1.5	ug/kg	J	U	7
23A0157	LDW23-SC1178	23A0157-12	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1178	23A0157-12	EPA 8270E-SIM	Benzyl alcohol	15.2	ug/kg	J	U	7
23A0157	LDW23-SC1178	23A0157-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0157	LDW23-SC1171	23A0157-13	EPA 7471B	Mercury	0.164	mg/kg		J	9
23A0157	LDW23-SC1171	23A0157-13	EPA 8270E	Benzo(g,h,i)perylene	75.1	ug/kg		J	5BL
23A0157	LDW23-SC1171	23A0157-13	EPA 8270E	Bis(2-ethylhexyl)phthalate	89	ug/kg		J	10L
23A0157	LDW23-SC1171	23A0157-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	70.3	ug/kg		J	5BL
23A0157	LDW23-SC1171	23A0157-13	EPA 8270E-SIM	1,2-Dichlorobenzene	2.2	ug/kg	J	U	7
23A0157	LDW23-SC1171	23A0157-13	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5B,5CL
23A0157	LDW23-SC1171	23A0157-13	EPA 8270E-SIM	Benzyl alcohol	52.3	ug/kg		U	7
23A0157	LDW23-SC1171	23A0157-13	EPA 8270E-SIM	n-Nitrosodiphenylamine	6.4	ug/kg	M Q	J	5BH,14
23A0157	LDW23-SC1171	23A0157-13	EPA 8270E-SIM	Pentachlorophenol	4.7	ug/kg	J	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0157	LDW23-SC1277DUP1	BLD0031-DUP1	EPA 7471B	Mercury	0.137	mg/kg		J	9
23A0158	LDW23-SS1250	23A0158-04	EPA 7471B	Mercury	0.233	mg/kg		J	9
23A0158	LDW23-SS1250	23A0158-04	EPA 8081B	Hexachlorobenzene	0.21	ug/kg	P1 J	J	3
23A0158	LDW23-SS1250	23A0158-04	EPA 8270E	Benzo(g,h,i)perylene	20.6	ug/kg		J	5BL
23A0158	LDW23-SS1250	23A0158-04	EPA 8270E	Butyl benzyl phthalate	12.2	ug/kg	J	J	5BH
23A0158	LDW23-SS1250	23A0158-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1250	23A0158-04	EPA 8270E	Fluoranthene	208	ug/kg		J	5BH
23A0158	LDW23-SS1250	23A0158-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	20.8	ug/kg		J	5BL
23A0158	LDW23-SS1250	23A0158-04	EPA 8270E-SIM	Benzoic acid	121	ug/kg		J	5A,5BL,5CL
23A0158	LDW23-SS1250	23A0158-04	EPA 8270E-SIM	Benzyl alcohol	19.7	ug/kg	J B	U	7
23A0158	LDW23-SS1250	23A0158-04	EPA 8270E-SIM	Pentachlorophenol	6.1	ug/kg	J	J	5BL,5CL
23A0158	LDW23-SS1249	23A0158-05	EPA 7471B	Mercury	0.163	mg/kg		J	9
23A0158	LDW23-SS1249	23A0158-05	EPA 8270E	Benzo(g,h,i)perylene	15.6	ug/kg	J	J	5BL
23A0158	LDW23-SS1249	23A0158-05	EPA 8270E	Butyl benzyl phthalate	13.8	ug/kg	J	J	5BH
23A0158	LDW23-SS1249	23A0158-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1249	23A0158-05	EPA 8270E	Fluoranthene	181	ug/kg		J	5BH
23A0158	LDW23-SS1249	23A0158-05	EPA 8270E	Indeno(1,2,3-cd)pyrene	15.6	ug/kg	J	J	5BL
23A0158	LDW23-SS1249	23A0158-05	EPA 8270E-SIM	Benzoic acid	69.9	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1249	23A0158-05	EPA 8270E-SIM	Benzyl alcohol	72.3	ug/kg	B	U	7
23A0158	LDW23-SS1249	23A0158-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	1,2,3,4,7,8,9-HpCDF	8.12	ng/kg	EMPC	J	25
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	1,2,3,4,7,8-HxCDF	14.7	ng/kg		J	5BL
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	1,2,3,6,7,8-HxCDF	5.4	ng/kg		J	9
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	1,2,3,7,8-PeCDF	1.41	ng/kg	EMPC	J	25
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	2,3,4,6,7,8-HxCDF	2.2	ng/kg		J	9
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	2,3,7,8-TCDD	0.458	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	2,3,7,8-TCDF	1.63	ng/kg		J	12L
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	OCDD	3020	ng/kg	B	J	9
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	OCDF	392	ng/kg		J	9
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	Total PeCDD	6.22	ng/kg		J	9
23A0158	LDW23-SS1222	23A0158-06	EPA 1613B	Total PeCDF	57.7	ng/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1222	23A0158-06	EPA 7471B	Mercury	0.294	mg/kg		J	9
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E	Benzo(a)pyrene	87.7	ug/kg		DNR	19
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E	Benzo(g,h,i)perylene	13.6	ug/kg	J	J	5BL,19
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL,19
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E	Fluoranthene	150	ug/kg		J	5BH
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL,19
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E	Total benzofluoranthenes	293	ug/kg		DNR	19
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E-SIM	Benzoic acid	39.8	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E-SIM	Benzyl alcohol	14.3	ug/kg	J B	U	7
23A0158	LDW23-SS1222	23A0158-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Benzo(a)anthracene	71.6	ug/kg	J D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	141	ug/kg	J D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Chrysene	86.5	ug/kg	D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Fluoranthene	146	ug/kg	D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Naphthalene	18.5	ug/kg	J D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Phenanthrene	53.7	ug/kg	J D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Phenol	136	ug/kg	D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E	Pyrene	252	ug/kg	D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E-SIM	1,4-Dichlorobenzene	4	ug/kg	J D	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E-SIM	Benzyl alcohol	18.9	ug/kg	J D B	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1222	23A0158-06RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1215	23A0158-07	EPA 1613B	1,2,3,4,6,7,8-HpCDF	3.14	ng/kg	EMPC	J	25
23A0158	LDW23-SS1215	23A0158-07	EPA 1613B	1,2,3,4,7,8-HxCDF	0.571	ng/kg	J	J	5BL
23A0158	LDW23-SS1215	23A0158-07	EPA 1613B	1,2,3,6,7,8-HxCDD	0.497	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1215	23A0158-07	EPA 1613B	1,2,3,7,8,9-HxCDD	0.541	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1215	23A0158-07	EPA 1613B	2,3,4,6,7,8-HxCDF	0.757	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1215	23A0158-07	EPA 1613B	2,3,7,8-TCDF	0.799	ng/kg	EMPC X J	UJ	12L,23,25
23A0158	LDW23-SS1215	23A0158-07	EPA 1613B	OCDF	3.29	ng/kg	EMPC	J	25
23A0158	LDW23-SS1215	23A0158-07	EPA 7471B	Mercury	0.209	mg/kg		J	9
23A0158	LDW23-SS1215	23A0158-07	EPA 8082A	Aroclor-1248		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E	Bis(2-ethylhexyl)phthalate	9.9	ug/kg	J	U	7
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E	Fluoranthene	119	ug/kg		J	5BH
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E	Phenol	30.1	ug/kg		U	7
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E-SIM	Benzoic acid	81	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E-SIM	Benzyl alcohol	13.7	ug/kg	J B	U	7
23A0158	LDW23-SS1215	23A0158-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0158	LDW23-SS1185	23A0158-08	EPA 7471B	Mercury	0.0396	mg/kg		J	9
23A0158	LDW23-SS1185	23A0158-08	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1185	23A0158-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1185	23A0158-08	EPA 8270E	Fluoranthene	96.4	ug/kg		J	5BH
23A0158	LDW23-SS1185	23A0158-08	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1185	23A0158-08	EPA 8270E-SIM	Benzoic acid	71.3	ug/kg	J	UJ	5BL,5CL,7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1185	23A0158-08	EPA 8270E-SIM	Benzyl alcohol	14.8	ug/kg	J B	U	7
23A0158	LDW23-SS1185	23A0158-08	EPA 8270E-SIM	Pentachlorophenol	2.8	ug/kg	J	J	5BL,5CL
23A0158	LDW23-SS1077	23A0158-09	EPA 1613B	1,2,3,4,7,8-HxCDF	1.96	ng/kg		J	5BL
23A0158	LDW23-SS1077	23A0158-09	EPA 1613B	1,2,3,7,8,9-HxCDF	0.476	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1077	23A0158-09	EPA 1613B	1,2,3,7,8-PeCDD	1	ng/kg	EMPC	J	25
23A0158	LDW23-SS1077	23A0158-09	EPA 1613B	2,3,4,6,7,8-HxCDF	0.93	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1077	23A0158-09	EPA 1613B	2,3,7,8-TCDD	0.251	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1077	23A0158-09	EPA 1613B	2,3,7,8-TCDF	0.343	ng/kg	X J	J	12L,23H
23A0158	LDW23-SS1077	23A0158-09	EPA 7471B	Mercury	0.0471	mg/kg		J	9
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E	Benzo(a)pyrene	50.4	ug/kg		DNR	19
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,8L,19
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E	Butyl benzyl phthalate	488	ug/kg		J	5BH
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL,19
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E	Fluoranthene	75.2	ug/kg		J	5BH
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL,19
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E	Total benzofluoranthenes	192	ug/kg		DNR	19
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E-SIM	Benzoic acid	58.7	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E-SIM	Benzyl alcohol	24.5	ug/kg	B	U	7
23A0158	LDW23-SS1077	23A0158-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Benzo(a)anthracene	35.1	ug/kg	J D	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	76.6	ug/kg	J D	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Butyl benzyl phthalate	442	ug/kg	D	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Chrysene	57.3	ug/kg	J D	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Fluoranthene	69.4	ug/kg	J D	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Phenanthrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Phenol	157	ug/kg	D	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E	Pyrene	98.8	ug/kg	D	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E-SIM	Benzyl alcohol	20.9	ug/kg	J D B	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1077	23A0158-09RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10	EPA 1613B	1,2,3,4,7,8-HxCDF	21.4	ng/kg		J	5BL
23A0158	LDW23-SS1070	23A0158-10	EPA 1613B	1,2,3,7,8-PeCDD	1.9	ng/kg	EMPC	J	25
23A0158	LDW23-SS1070	23A0158-10	EPA 1613B	2,3,4,7,8-PeCDF	2.95	ng/kg	EMPC	J	25
23A0158	LDW23-SS1070	23A0158-10	EPA 1613B	2,3,7,8-TCDD	0.588	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1070	23A0158-10	EPA 1613B	2,3,7,8-TCDF	1.54	ng/kg	X	J	12L,23H
23A0158	LDW23-SS1070	23A0158-10	EPA 7471B	Mercury	0.277	mg/kg		J	9
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E	Bis(2-ethylhexyl)phthalate	43.2	ug/kg	J	U	7
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E	Fluoranthene	95.1	ug/kg		J	5BH
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E	Pyrene	92.9	ug/kg		J	5BH
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E-SIM	Benzoic acid	75.1	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E-SIM	Benzyl alcohol	23	ug/kg	B	U	7
23A0158	LDW23-SS1070	23A0158-10	EPA 8270E-SIM	Pentachlorophenol	2.8	ug/kg	J	J	5BL,5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	2-Methylnaphthalene	18.9	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	4-Methylphenol	36.6	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Benzo(a)anthracene	30.5	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Benzo(a)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	38.6	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Chrysene	36	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Fluoranthene	78.5	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Naphthalene	17.3	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Phenanthrene	46	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Phenol	122	ug/kg	D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Pyrene	81.4	ug/kg	D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E	Total benzofluoranthenes		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E-SIM	1,4-Dichlorobenzene	4.3	ug/kg	J D	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E-SIM	Benzyl alcohol	17.5	ug/kg	J D B	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1070	23A0158-10RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11	EPA 1613B	1,2,3,4,7,8,9-HpCDF	2.48	ng/kg	EMPC	J	25

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1065	23A0158-11	EPA 1613B	1,2,3,4,7,8-HxCDD	1.11	ng/kg	EMPC	J	25
23A0158	LDW23-SS1065	23A0158-11	EPA 1613B	1,2,3,4,7,8-HxCDF	3.48	ng/kg		J	5BL
23A0158	LDW23-SS1065	23A0158-11	EPA 1613B	1,2,3,7,8-PeCDF	0.591	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1065	23A0158-11	EPA 1613B	2,3,4,7,8-PeCDF	0.889	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1065	23A0158-11	EPA 1613B	2,3,7,8-TCDD	0.309	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1065	23A0158-11	EPA 1613B	2,3,7,8-TCDF	0.652	ng/kg	EMPC J	UJ	12L,25
23A0158	LDW23-SS1065	23A0158-11	EPA 7471B	Mercury	0.128	mg/kg		J	9
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E	Benzo(g,h,i)perylene	19.2	ug/kg	J	J	5BL
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E	Butyl benzyl phthalate	15.9	ug/kg	J	J	5BH
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E	Fluoranthene	248	ug/kg		J	5BH
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	20	ug/kg		J	5BL
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E	Pyrene	237	ug/kg		J	5BH
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E	Total benzofluoranthenes	311	ug/kg	Q	J	5BH
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E-SIM	Benzoic acid	103	ug/kg		UJ	5BL,5CL,7
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E-SIM	Benzyl alcohol	35.5	ug/kg	B	U	7
23A0158	LDW23-SS1065	23A0158-11	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	J	5BL,5CL
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	4-Methylphenol	71.3	ug/kg	J D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Benzo(a)anthracene	86.6	ug/kg	D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Benzo(a)pyrene	82.3	ug/kg	D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	133	ug/kg	J D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Chrysene	114	ug/kg	D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Fluoranthene	203	ug/kg	D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Phenanthrene	58.6	ug/kg	J D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Phenol	500	ug/kg	D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Pyrene	193	ug/kg	D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E	Total benzofluoranthenes	260	ug/kg	D	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1065	23A0158-11RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12	EPA 1613B	2,3,7,8-TCDD	0.341	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1064	23A0158-12	EPA 1613B	2,3,7,8-TCDF	0.648	ng/kg	X J	J	12L,23H
23A0158	LDW23-SS1064	23A0158-12	EPA 7471B	Mercury	0.0995	mg/kg		J	9
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E	Benzo(g,h,i)perylene	23.7	ug/kg		J	5BL
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E	Butyl benzyl phthalate	19.6	ug/kg	J	J	5BH
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E	Fluoranthene	250	ug/kg		J	5BH
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	18.7	ug/kg	J	J	5BL
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E	Pyrene	223	ug/kg		J	5BH
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E	Total benzofluoranthenes	328	ug/kg	Q	J	5BH
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E-SIM	Benzoic acid	87	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E-SIM	Benzyl alcohol	30.1	ug/kg	B	U	7
23A0158	LDW23-SS1064	23A0158-12	EPA 8270E-SIM	Pentachlorophenol	5.2	ug/kg	J	J	5BL,5CL
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Benzo(a)anthracene	96.8	ug/kg	D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Benzo(a)pyrene	87.6	ug/kg	D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	149	ug/kg	J D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Chrysene	132	ug/kg	D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Fluoranthene	200	ug/kg	D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Phenanthrene	78.7	ug/kg	J D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Phenol	164	ug/kg	D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Pyrene	189	ug/kg	D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E	Total benzofluoranthenes	287	ug/kg	D	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1064	23A0158-12RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13	EPA 1613B	2,3,7,8-TCDD	0.329	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1060	23A0158-13	EPA 1613B	2,3,7,8-TCDF	1.12	ng/kg	X	J	12L,23H
23A0158	LDW23-SS1060	23A0158-13	EPA 7471B	Mercury	0.176	mg/kg		J	9

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E	Benzo(g,h,i)perylene	22.4	ug/kg		J	5BL
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E	Butyl benzyl phthalate	15.7	ug/kg	J	J	5BH
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E	Fluoranthene	228	ug/kg		J	5BH
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	19.1	ug/kg	J	J	5BL
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E	Pyrene	208	ug/kg		J	5BH
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E	Total benzofluoranthenes	303	ug/kg	Q	J	5BH
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E-SIM	Benzoic acid	62.7	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E-SIM	Benzyl alcohol	20.5	ug/kg	B	U	7
23A0158	LDW23-SS1060	23A0158-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	4-Methylphenol	29.9	ug/kg	J D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Benzo(a)anthracene	82.1	ug/kg	D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Benzo(a)pyrene	79.3	ug/kg	J D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	149	ug/kg	J D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Chrysene	124	ug/kg	D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Fluoranthene	177	ug/kg	D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Phenanthrene	66.8	ug/kg	J D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Phenol	465	ug/kg	D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Pyrene	160	ug/kg	D	DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E	Total benzofluoranthenes	268	ug/kg	D	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1060	23A0158-13RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14	EPA 1613B	1,2,3,7,8-PeCDF	0.572	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1059	23A0158-14	EPA 1613B	2,3,4,7,8-PeCDF	0.946	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1059	23A0158-14	EPA 1613B	2,3,7,8-TCDD	0.35	ng/kg	EMPC J	U	25
23A0158	LDW23-SS1059	23A0158-14	EPA 1613B	2,3,7,8-TCDF	0.734	ng/kg	X J	J	12L,23H
23A0158	LDW23-SS1059	23A0158-14	EPA 6020	Lead	20.1	mg/kg		J	9
23A0158	LDW23-SS1059	23A0158-14	EPA 6020	Silver	0.2	mg/kg	J	J	8L
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E	Benzo(g,h,i)perylene	25.5	ug/kg		J	5BL
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E	Butyl benzyl phthalate	16.5	ug/kg	J	J	5BH
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E	Fluoranthene	283	ug/kg		J	5BH
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E	Indeno(1,2,3-cd)pyrene	19.9	ug/kg	J	J	5BL
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E	Pyrene	230	ug/kg		J	5BH
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E	Total benzofluoranthenes	323	ug/kg	Q	J	5BH
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E-SIM	Benzoic acid	78.5	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E-SIM	Benzyl alcohol	25.7	ug/kg	B	U	7
23A0158	LDW23-SS1059	23A0158-14	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	4-Methylphenol	38.8	ug/kg	J D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Benzo(a)anthracene	79.8	ug/kg	J D	DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Benzo(a)pyrene	80.7	ug/kg	D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	132	ug/kg	J D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Chrysene	117	ug/kg	D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Fluoranthene	209	ug/kg	D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Phenanthrene	60.1	ug/kg	J D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Phenol	526	ug/kg	D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Pyrene	175	ug/kg	D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E	Total benzofluoranthenes	276	ug/kg	D	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1059	23A0158-14RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15	EPA 1613B	2,3,7,8-TCDF	0.575	ng/kg	X J	J	12L,23H
23A0158	LDW23-SS1053	23A0158-15	EPA 6020	Lead	16.3	mg/kg		J	9
23A0158	LDW23-SS1053	23A0158-15	EPA 6020	Silver	0.17	mg/kg	J	J	8L
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E	Benzo(g,h,i)perylene	21.1	ug/kg		J	5BL
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E	Butyl benzyl phthalate	29.7	ug/kg	Q	J	5BH
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E	Fluoranthene	229	ug/kg		J	5BH

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E	Indeno(1,2,3-cd)pyrene	15.8	ug/kg	J	J	5BL
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E	Pyrene	210	ug/kg		J	5BH
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E	Total benzofluoranthenes	251	ug/kg	Q	J	5BH
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E-SIM	Benzoic acid	94.5	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E-SIM	Benzyl alcohol	49.8	ug/kg	B	U	7
23A0158	LDW23-SS1053	23A0158-15	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	4-Methylphenol	66.8	ug/kg	J D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Benzo(a)anthracene	60.1	ug/kg	J D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Benzo(a)pyrene	64.3	ug/kg	J D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	157	ug/kg	J D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Chrysene	82.3	ug/kg	D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Fluoranthene	173	ug/kg	D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Naphthalene	17.1	ug/kg	J D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Phenanthrene	65.1	ug/kg	J D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Phenol	274	ug/kg	D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Pyrene	162	ug/kg	D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E	Total benzofluoranthenes	233	ug/kg	D	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1053	23A0158-15RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16	EPA 6020	Lead	18.5	mg/kg		J	9
23A0158	LDW23-SS1047	23A0158-16	EPA 6020	Silver	0.21	mg/kg	J	J	8L
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E	Benzo(g,h,i)perylene	18.7	ug/kg	J	J	5BL
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E	Butyl benzyl phthalate	31.5	ug/kg	Q	J	5BH
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E	Fluoranthene	256	ug/kg		J	5BH
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E	Indeno(1,2,3-cd)pyrene	17	ug/kg	J	J	5BL
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E	Pyrene	240	ug/kg		J	5BH
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E	Total benzofluoranthenes	282	ug/kg	Q	J	5BH
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	J	13H
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E-SIM	Benzoic acid	76.4	ug/kg	J	UJ	5BL,5CL,7
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E-SIM	Benzyl alcohol	60.3	ug/kg	B	U	7
23A0158	LDW23-SS1047	23A0158-16	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	4-Methylphenol	39.7	ug/kg	J D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Benzo(a)anthracene	65.5	ug/kg	J D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Benzo(a)pyrene	66.9	ug/kg	J D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	105	ug/kg	J D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Chrysene	87.5	ug/kg	D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Fluoranthene	181	ug/kg	D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Phenanthrene	58.1	ug/kg	J D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Phenol	259	ug/kg	D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Pyrene	177	ug/kg	D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E	Total benzofluoranthenes	241	ug/kg	D	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23A0158	LDW23-SS1047	23A0158-16RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	1,2,3,4,7,8-HxCDF	18.4	ng/kg		J	5BL
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	1,2,3,6,7,8-HxCDF	7.01	ng/kg	*	J	9
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	1,2,3,7,8-PeCDD	2.36	ng/kg	EMPC	J	25
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	2,3,4,6,7,8-HxCDF	6.44	ng/kg	*	J	9
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	2,3,7,8-TCDF	1.76	ng/kg	X	J	12L,23H
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	OCDD	2140	ng/kg	* B	J	9
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	OCDF	262	ng/kg	*	J	9
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	Total PeCDD	3.65	ng/kg		J	9
23A0158	LDW23-SS1222DUP1	BLC0136-DUP1	EPA 1613B	Total PeCDF	95.9	ng/kg		J	9
23A0171	LDW23-SS1254	23A0171-01	EPA 6020	Lead	28.3	mg/kg		J	9
23A0171	LDW23-SS1254	23A0171-01	EPA 8081B	Hexachlorobenzene	0.26	ug/kg	J	J	3
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	2-Methylnaphthalene	8.6	ug/kg	J	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	4-Methylphenol	23	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Acenaphthene	6.7	ug/kg	J	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Anthracene	21.2	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Benzo(a)anthracene	69.3	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Benzo(a)pyrene	62.1	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Benzo(g,h,i)perylene	30.1	ug/kg	Q	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	105	ug/kg	Q	DNR	19
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Chrysene	117	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Fluoranthene	130	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	30.6	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Naphthalene	12.9	ug/kg	J	DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Phenanthrene	53.5	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Phenol	424	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Pyrene	121	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E	Total benzofluoranthenes	182	ug/kg		DNR	11
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	U	7
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E-SIM	Benzoic acid	217	ug/kg	J	J	5A,5BL,5CL
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E-SIM	Benzyl alcohol	143	ug/kg		J	5BL
23A0171	LDW23-SS1254	23A0171-01	EPA 8270E-SIM	Pentachlorophenol	3.3	ug/kg	J	J	5BL
23A0171	LDW23-SS1254	23A0171-01RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	121	ug/kg	Q	J	5BL
23A0171	LDW23-SS1257	23A0171-02	EPA 1613B	1,2,3,6,7,8-HxCDF	2.2	ng/kg	EMPC	J	25
23A0171	LDW23-SS1257	23A0171-02	EPA 1613B	1,2,3,7,8-PeCDD	1.75	ng/kg	EMPC	J	25
23A0171	LDW23-SS1257	23A0171-02	EPA 1613B	1,2,3,7,8-PeCDF	1.21	ng/kg	EMPC	J	25
23A0171	LDW23-SS1257	23A0171-02	EPA 1613B	2,3,7,8-TCDD	0.44	ng/kg	EMPC J	U	25
23A0171	LDW23-SS1257	23A0171-02	EPA 1613B	2,3,7,8-TCDF	3.38	ng/kg	X	J	12L,23H
23A0171	LDW23-SS1257	23A0171-02	EPA 6020	Lead	36.3	mg/kg		J	9
23A0171	LDW23-SS1257	23A0171-02	EPA 8081B	Hexachlorobenzene	0.27	ug/kg	J	NJ	3

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0171	LDW23-SS1257	23A0171-02	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0171	LDW23-SS1257	23A0171-02	EPA 8270E	Bis(2-ethylhexyl)phthalate	24	ug/kg	J	J	5BL
23A0171	LDW23-SS1257	23A0171-02	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0171	LDW23-SS1257	23A0171-02	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0171	LDW23-SS1257	23A0171-02	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23A0171	LDW23-SS1257	23A0171-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0171	LDW23-SS1262	23A0171-03	EPA 6020	Lead	32	mg/kg		J	9
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	2-Methylnaphthalene	9.3	ug/kg	J	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	4-Methylphenol	23.8	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Acenaphthene	6.3	ug/kg	J	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Anthracene	20.4	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Benzo(a)anthracene	66.9	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Benzo(a)pyrene	64.3	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Benzo(g,h,i)perylene	34.3	ug/kg	Q	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Bis(2-ethylhexyl)phthalate	164	ug/kg	Q	DNR	19
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Butyl benzyl phthalate	16	ug/kg	J	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Chrysene	127	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Dimethyl phthalate	13.2	ug/kg	J	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Fluoranthene	155	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	33.1	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Naphthalene	10.3	ug/kg	J	DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Phenanthrene	55.6	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Phenol	286	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Pyrene	136	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E	Total benzofluoranthenes	188	ug/kg		DNR	11
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E-SIM	1,4-Dichlorobenzene	1.2	ug/kg	J	U	7
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E-SIM	Benzoic acid	78	ug/kg	J	J	5A,5BL,5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E-SIM	Benzyl alcohol	57.8	ug/kg		J	5BL
23A0171	LDW23-SS1262	23A0171-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0171	LDW23-SS1262	23A0171-03RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	193	ug/kg	Q	J	5BL
23A0171	LDW23-SS1245	23A0171-04	EPA 1613B	1,2,3,7,8,9-HxCDF	1.16	ng/kg	EMPC	J	25
23A0171	LDW23-SS1245	23A0171-04	EPA 1613B	1,2,3,7,8-PeCDF	0.665	ng/kg	EMPC J	U	25
23A0171	LDW23-SS1245	23A0171-04	EPA 1613B	2,3,7,8-TCDD	0.436	ng/kg	EMPC J	U	25
23A0171	LDW23-SS1245	23A0171-04	EPA 1613B	2,3,7,8-TCDF	0.892	ng/kg	J	J	12L
23A0171	LDW23-SS1245	23A0171-04	EPA 6020	Lead	24.4	mg/kg		J	9
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	2-Methylnaphthalene	8	ug/kg	J	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	4-Methylphenol	13	ug/kg	J	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Acenaphthene	11.7	ug/kg	J	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Anthracene	26.3	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Benzo(a)anthracene	73	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Benzo(a)pyrene	67.2	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Benzo(g,h,i)perylene	30.5	ug/kg	Q	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Bis(2-ethylhexyl)phthalate	85.9	ug/kg	Q	DNR	19
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Chrysene	119	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Fluoranthene	178	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	28.5	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Naphthalene	11.1	ug/kg	J	DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Phenanthrene	69	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Phenol	521	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Pyrene	159	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E	Total benzofluoranthenes	186	ug/kg		DNR	11
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E-SIM	1,4-Dichlorobenzene	1.1	ug/kg	J	U	7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E-SIM	Benzoic acid	162	ug/kg	J	J	5A,5BL,5CL
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E-SIM	Benzyl alcohol	109	ug/kg		J	5BL
23A0171	LDW23-SS1245	23A0171-04	EPA 8270E-SIM	Pentachlorophenol	3.7	ug/kg	J	J	5BL
23A0171	LDW23-SS1245	23A0171-04RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	89.9	ug/kg	Q	J	5BL
23A0171	BLA0339-BLK2	BLA0339-BLK2	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23A0171	BLA0339-BLK2	BLA0339-BLK2	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23A0171	BLA0339-BLK2	BLA0339-BLK2	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0179	LDW23-SS1277	23A0179-01	EPA 6020	Lead	20.3	mg/kg		J	9
23A0179	LDW23-SS1277	23A0179-01	EPA 6020	Silver	0.17	mg/kg	J	J	8L
23A0179	LDW23-SS1277	23A0179-01RE1	EPA 8270E-SIM	Benzoic acid	112	ug/kg		J	5CL
23A0179	LDW23-SS1271	23A0179-02	EPA 6020	Lead	13.3	mg/kg		J	9
23A0179	LDW23-SS1271	23A0179-02	EPA 6020	Silver	0.14	mg/kg	J	J	8L
23A0179	LDW23-SS1271	23A0179-02RE1	EPA 8270E-SIM	Benzoic acid	36.7	ug/kg	J	J	5CL
23A0179	LDW23-SS1266	23A0179-03	EPA 6020	Lead	18.2	mg/kg		J	9
23A0179	LDW23-SS1266	23A0179-03	EPA 6020	Silver	0.19	mg/kg	J	J	8L
23A0179	LDW23-SS1266	23A0179-03RE1	EPA 8270E-SIM	Benzoic acid	81	ug/kg	J	J	5CL
23A0179	LDW23-SS1248	23A0179-04	EPA 6020	Lead	17.7	mg/kg		J	9
23A0179	LDW23-SS1248	23A0179-04	EPA 6020	Silver	0.17	mg/kg	J	J	8L
23A0179	LDW23-SS1248	23A0179-04RE1	EPA 8270E-SIM	Benzoic acid	62.2	ug/kg	J	J	5CL
23A0179	LDW23-SS1239	23A0179-05	EPA 6020	Lead	10.6	mg/kg		J	9
23A0179	LDW23-SS1239	23A0179-05	EPA 6020	Silver	0.1	mg/kg	J	J	8L
23A0179	LDW23-SS1239	23A0179-05RE1	EPA 8270E-SIM	Benzoic acid	48.2	ug/kg	J	J	5CL
23A0179	LDW23-SS1213	23A0179-06	EPA 6020	Lead	21.6	mg/kg		J	9
23A0179	LDW23-SS1213	23A0179-06	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23A0179	LDW23-SS1213	23A0179-06RE1	EPA 8270E-SIM	Benzoic acid	59.6	ug/kg	J	J	5CL
23A0179	LDW23-SS1200	23A0179-07	EPA 6020	Lead	6.67	mg/kg		J	9
23A0179	LDW23-SS1200	23A0179-07	EPA 6020	Silver	0.08	mg/kg	J	J	8L
23A0179	LDW23-SS1200	23A0179-07RE1	EPA 8270E-SIM	Benzoic acid	26.3	ug/kg	J	J	5CL
23A0179	LDW23-SS1178	23A0179-08	EPA 6020	Lead	14.7	mg/kg		J	9
23A0179	LDW23-SS1178	23A0179-08	EPA 6020	Silver	0.15	mg/kg	J	J	8L
23A0179	LDW23-SS1178	23A0179-08RE1	EPA 8270E	Benzo(g,h,i)perylene	40.6	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0179	LDW23-SS1178	23A0179-08RE1	EPA 8270E-SIM	Benzoic acid	94.9	ug/kg	J	J	5CL
23A0179	LDW23-SS1171	23A0179-09	EPA 6020	Lead	21.7	mg/kg		J	9
23A0179	LDW23-SS1171	23A0179-09	EPA 6020	Silver	0.25	mg/kg	J	J	8L
23A0179	LDW23-SS1171	23A0179-09	EPA 8082A	Aroclor-1254	47800	ug/kg	D	NJ	3
23A0179	LDW23-SS1171	23A0179-09RE1	EPA 8270E	Benzo(g,h,i)perylene	41.9	ug/kg		J	5BL
23A0179	LDW23-SS1171	23A0179-09RE1	EPA 8270E-SIM	Benzoic acid	124	ug/kg		J	5CL
23A0179	LDW23-SS1112	23A0179-10	EPA 6020	Lead	25.8	mg/kg		J	9
23A0179	LDW23-SS1112	23A0179-10	EPA 6020	Silver	0.27	mg/kg	J	J	8L
23A0179	LDW23-SS1112	23A0179-10	EPA 8082A	Aroclor-1016		ug/kg	U	DNR	11
23A0179	LDW23-SS1112	23A0179-10	EPA 8082A	Aroclor-1221		ug/kg	U	DNR	11
23A0179	LDW23-SS1112	23A0179-10	EPA 8082A	Aroclor-1232		ug/kg	U	DNR	11
23A0179	LDW23-SS1112	23A0179-10	EPA 8082A	Aroclor-1242		ug/kg	U	DNR	11
23A0179	LDW23-SS1112	23A0179-10	EPA 8082A	Aroclor-1248		ug/kg	U	DNR	11
23A0179	LDW23-SS1112	23A0179-10	EPA 8082A	Aroclor-1254		ug/kg	U	DNR	11
23A0179	LDW23-SS1112	23A0179-10	EPA 8082A	Aroclor-1260		ug/kg	U	DNR	11
23A0179	LDW23-SS1112	23A0179-10RE1	EPA 8270E	Benzo(g,h,i)perylene	63.1	ug/kg		J	5BL
23A0179	LDW23-SS1112	23A0179-10RE1	EPA 8270E-SIM	Benzoic acid	89.2	ug/kg	J	J	5CL
23A0179	LDW23-SS1039	23A0179-11	EPA 6020	Lead	25.2	mg/kg		J	9
23A0179	LDW23-SS1039	23A0179-11	EPA 6020	Silver	0.27	mg/kg	J	J	8L
23A0179	LDW23-SS1039	23A0179-11RE1	EPA 8270E	Benzo(g,h,i)perylene	45.8	ug/kg		J	5BL
23A0179	LDW23-SS1039	23A0179-11RE1	EPA 8270E-SIM	Benzoic acid	68.8	ug/kg	J	J	5CL
23A0179	LDW23-SS1007	23A0179-12	EPA 6020	Lead	26.2	mg/kg		J	9
23A0179	LDW23-SS1007	23A0179-12	EPA 6020	Silver	0.27	mg/kg	J	J	8L
23A0179	LDW23-SS1007	23A0179-12RE1	EPA 8270E	Benzo(g,h,i)perylene	53.9	ug/kg		J	5BL
23A0179	LDW23-SS1007	23A0179-12RE1	EPA 8270E-SIM	Benzoic acid	61.8	ug/kg	J	J	5CL
23A0180	LDW23-SC1164	23A0180-01	EPA 6020	Lead	36.9	mg/kg		J	9
23A0180	LDW23-SC1164	23A0180-01	EPA 6020	Silver	0.37	mg/kg		J	8L
23A0180	LDW23-SC1164	23A0180-01	EPA 8082A	Aroclor-1254	59.9	ug/kg		J	5BL
23A0180	LDW23-SC1164	23A0180-01	EPA 8082A	Aroclor-1260	49.6	ug/kg		J	19
23A0180	LDW23-SC1164	23A0180-01RE1	EPA 8270E	Benzo(g,h,i)perylene	104	ug/kg		J	5BL
23A0180	LDW23-SC1164	23A0180-01RE1	EPA 8270E-SIM	Benzoic acid	23.4	ug/kg	J	J	5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0180	LDW23-SC1164-FD	23A0180-02	EPA 6020	Lead	35.5	mg/kg		J	9
23A0180	LDW23-SC1164-FD	23A0180-02	EPA 6020	Silver	0.41	mg/kg		J	8L
23A0180	LDW23-SC1164-FD	23A0180-02	EPA 8082A	Aroclor-1254	87.6	ug/kg		J	5BL
23A0180	LDW23-SC1164-FD	23A0180-02	EPA 8082A	Aroclor-1260	72.2	ug/kg		J	19
23A0180	LDW23-SC1164-FD	23A0180-02RE1	EPA 8270E	Benzo(g,h,i)perylene	93.9	ug/kg		J	5BL
23A0180	LDW23-SC1164-FD	23A0180-02RE1	EPA 8270E-SIM	Benzoic acid	23.9	ug/kg	J	J	5CL
23A0180	LDW23-SC1158	23A0180-03	EPA 6020	Lead	27	mg/kg		J	9
23A0180	LDW23-SC1158	23A0180-03	EPA 6020	Silver	0.26	mg/kg	J	J	8L
23A0180	LDW23-SC1158	23A0180-03	EPA 8082A	Aroclor-1254	48.6	ug/kg		J	5BL
23A0180	LDW23-SC1158	23A0180-03	EPA 8082A	Aroclor-1260	43.2	ug/kg		J	19
23A0180	LDW23-SC1158	23A0180-03RE1	EPA 8270E	Benzo(g,h,i)perylene	123	ug/kg		J	5BL
23A0180	LDW23-SC1158	23A0180-03RE1	EPA 8270E-SIM	Benzoic acid	28.3	ug/kg	J	J	5CL
23A0180	LDW23-SC1151	23A0180-04	EPA 6020	Lead	30.5	mg/kg		J	9
23A0180	LDW23-SC1151	23A0180-04	EPA 6020	Silver	0.3	mg/kg	J	J	8L
23A0180	LDW23-SC1151	23A0180-04RE1	EPA 8270E	Benzo(g,h,i)perylene	81.6	ug/kg		J	5BL
23A0180	LDW23-SC1151	23A0180-04RE1	EPA 8270E-SIM	Benzoic acid	27.2	ug/kg	J	J	5CL
23A0180	LDW23-SC1061	23A0180-08	EPA 8082A	Aroclor-1254	75.5	ug/kg		J	5BL
23A0180	LDW23-SC1061	23A0180-08	EPA 8082A	Aroclor-1260	64.9	ug/kg		J	19
23A0180	LDW23-SC1093	23A0180-10	EPA 8082A	Aroclor-1254	46.1	ug/kg		J	5BL
23A0180	LDW23-SC1093	23A0180-10	EPA 8082A	Aroclor-1260	39.4	ug/kg		J	19
23A0180	LDW23-SC1094	23A0180-11	EPA 8082A	Aroclor-1254	62.2	ug/kg		J	5BL
23A0180	LDW23-SC1094	23A0180-11	EPA 8082A	Aroclor-1260	61.8	ug/kg		J	19
23A0180	LDW23-SC1103	23A0180-12	EPA 8082A	Aroclor-1254	41.3	ug/kg		J	5BL
23A0180	LDW23-SC1103	23A0180-12	EPA 8082A	Aroclor-1260	43.3	ug/kg		J	19
23A0180	LDW23-SC1101	23A0180-14	EPA 8082A	Aroclor-1254	17.9	ug/kg		J	5BL
23A0180	LDW23-SC1101	23A0180-14	EPA 8082A	Aroclor-1260	22.8	ug/kg		J	19
23A0180	LDW23-SC1096	23A0180-15	EPA 8082A	Aroclor-1254	44.5	ug/kg		J	5BL
23A0180	LDW23-SC1096	23A0180-15	EPA 8082A	Aroclor-1260	50.3	ug/kg		J	19
23A0206	LDW23-SS1021	23A0206-01	EPA 7471B	Mercury	0.206	mg/kg		J	9
23A0206	LDW23-SS1021	23A0206-01	EPA 8082A	Aroclor-1254	54.4	ug/kg		J	5BL
23A0206	LDW23-SS1021	23A0206-01	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0206	LDW23-SS1021	23A0206-01	EPA 8270E	Chrysene	111	ug/kg		J	8H
23A0206	LDW23-SS1021	23A0206-01	EPA 8270E	Phenanthrene	60.1	ug/kg		J	9
23A0206	LDW23-SS1021	23A0206-01	EPA 8270E-SIM	Benzoic acid	63	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1021	23A0206-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1015	23A0206-02	EPA 7471B	Mercury	0.212	mg/kg		J	9
23A0206	LDW23-SS1015	23A0206-02	EPA 8082A	Aroclor-1254	59.4	ug/kg		J	5BL
23A0206	LDW23-SS1015	23A0206-02	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1015	23A0206-02	EPA 8270E	Chrysene	131	ug/kg		J	8H
23A0206	LDW23-SS1015	23A0206-02	EPA 8270E	Phenanthrene	58.9	ug/kg		J	9
23A0206	LDW23-SS1015	23A0206-02	EPA 8270E-SIM	Benzoic acid	109	ug/kg	Q	J	5BL,5CL
23A0206	LDW23-SS1015	23A0206-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1164	23A0206-03	EPA 7471B	Mercury	0.144	mg/kg		J	9
23A0206	LDW23-SS1164	23A0206-03	EPA 8082A	Aroclor-1254	57.4	ug/kg		J	5BL
23A0206	LDW23-SS1164	23A0206-03	EPA 8270E	Benzo(g,h,i)perylene	45.9	ug/kg		J	5BL
23A0206	LDW23-SS1164	23A0206-03	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1164	23A0206-03	EPA 8270E	Chrysene	88.2	ug/kg		J	8H
23A0206	LDW23-SS1164	23A0206-03	EPA 8270E	Phenanthrene	44.6	ug/kg		J	9
23A0206	LDW23-SS1164	23A0206-03	EPA 8270E-SIM	Benzoic acid	94.4	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1164	23A0206-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1158	23A0206-04	EPA 7471B	Mercury	0.14	mg/kg		J	9
23A0206	LDW23-SS1158	23A0206-04	EPA 8082A	Aroclor-1254	50.4	ug/kg		J	5BL
23A0206	LDW23-SS1158	23A0206-04	EPA 8270E	Benzo(g,h,i)perylene	63.4	ug/kg		J	5BL
23A0206	LDW23-SS1158	23A0206-04	EPA 8270E	Butyl benzyl phthalate	17.2	ug/kg	J	J	5BL
23A0206	LDW23-SS1158	23A0206-04	EPA 8270E	Chrysene	187	ug/kg		J	8H
23A0206	LDW23-SS1158	23A0206-04	EPA 8270E	Phenanthrene	64	ug/kg		J	9
23A0206	LDW23-SS1158	23A0206-04	EPA 8270E-SIM	Benzoic acid	42	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1158	23A0206-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1151	23A0206-05	EPA 7471B	Mercury	0.17	mg/kg		J	9
23A0206	LDW23-SS1151	23A0206-05	EPA 8082A	Aroclor-1254	50.2	ug/kg		J	5BL
23A0206	LDW23-SS1151	23A0206-05	EPA 8270E	Benzo(g,h,i)perylene	64	ug/kg		J	5BL
23A0206	LDW23-SS1151	23A0206-05	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0206	LDW23-SS1151	23A0206-05	EPA 8270E	Chrysene	129	ug/kg		J	8H
23A0206	LDW23-SS1151	23A0206-05	EPA 8270E	Phenanthrene	63.6	ug/kg		J	9
23A0206	LDW23-SS1151	23A0206-05	EPA 8270E-SIM	Benzoic acid	30.2	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1151	23A0206-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1145	23A0206-06	EPA 7471B	Mercury	0.161	mg/kg		J	9
23A0206	LDW23-SS1145	23A0206-06	EPA 8082A	Aroclor-1254	61.4	ug/kg		J	5BL
23A0206	LDW23-SS1145	23A0206-06	EPA 8270E	Benzo(g,h,i)perylene	56.6	ug/kg		J	5BL
23A0206	LDW23-SS1145	23A0206-06	EPA 8270E	Butyl benzyl phthalate	27.1	ug/kg	Q	J	5BL
23A0206	LDW23-SS1145	23A0206-06	EPA 8270E	Chrysene	120	ug/kg		J	8H
23A0206	LDW23-SS1145	23A0206-06	EPA 8270E	Phenanthrene	58.5	ug/kg		J	9
23A0206	LDW23-SS1145	23A0206-06	EPA 8270E-SIM	Benzoic acid	17.1	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1145	23A0206-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1139	23A0206-07	EPA 7471B	Mercury	0.112	mg/kg		J	9
23A0206	LDW23-SS1139	23A0206-07	EPA 8082A	Aroclor-1254	45.3	ug/kg		J	5BL
23A0206	LDW23-SS1139	23A0206-07	EPA 8270E	Benzo(g,h,i)perylene	71.9	ug/kg		J	5BL
23A0206	LDW23-SS1139	23A0206-07	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1139	23A0206-07	EPA 8270E	Chrysene	189	ug/kg		J	8H
23A0206	LDW23-SS1139	23A0206-07	EPA 8270E	Phenanthrene	93.4	ug/kg		J	9
23A0206	LDW23-SS1139	23A0206-07	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0206	LDW23-SS1139	23A0206-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1117	23A0206-08	EPA 7471B	Mercury	0.141	mg/kg		J	9
23A0206	LDW23-SS1117	23A0206-08	EPA 8082A	Aroclor-1254	48	ug/kg		J	5BL
23A0206	LDW23-SS1117	23A0206-08	EPA 8270E	Benzo(g,h,i)perylene	61.9	ug/kg		J	5BL
23A0206	LDW23-SS1117	23A0206-08	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1117	23A0206-08	EPA 8270E	Chrysene	160	ug/kg		J	8H
23A0206	LDW23-SS1117	23A0206-08	EPA 8270E	Phenanthrene	83.5	ug/kg		J	9
23A0206	LDW23-SS1117	23A0206-08	EPA 8270E-SIM	Benzoic acid	49	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1117	23A0206-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1103	23A0206-09	EPA 7471B	Mercury	0.211	mg/kg		J	9
23A0206	LDW23-SS1103	23A0206-09	EPA 8082A	Aroclor-1254	56.3	ug/kg		J	5BL
23A0206	LDW23-SS1103	23A0206-09	EPA 8270E	Benzo(g,h,i)perylene	54.6	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0206	LDW23-SS1103	23A0206-09	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1103	23A0206-09	EPA 8270E	Chrysene	152	ug/kg		J	8H
23A0206	LDW23-SS1103	23A0206-09	EPA 8270E	Phenanthrene	52.8	ug/kg		J	9
23A0206	LDW23-SS1103	23A0206-09	EPA 8270E-SIM	Benzoic acid	55	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1103	23A0206-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1100	23A0206-10	EPA 7471B	Mercury	0.221	mg/kg		J	9
23A0206	LDW23-SS1100	23A0206-10	EPA 8082A	Aroclor-1254	62.4	ug/kg		J	5BL
23A0206	LDW23-SS1100	23A0206-10	EPA 8270E	Benzo(g,h,i)perylene	50.9	ug/kg	Q	J	5BL
23A0206	LDW23-SS1100	23A0206-10	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1100	23A0206-10	EPA 8270E	Chrysene	150	ug/kg		J	8H
23A0206	LDW23-SS1100	23A0206-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	42.1	ug/kg		J	5BL
23A0206	LDW23-SS1100	23A0206-10	EPA 8270E	Phenanthrene	49.2	ug/kg		J	9
23A0206	LDW23-SS1100	23A0206-10	EPA 8270E-SIM	Benzoic acid	86.6	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1100	23A0206-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1096	23A0206-11	EPA 7471B	Mercury	0.252	mg/kg		J	9
23A0206	LDW23-SS1096	23A0206-11	EPA 8082A	Aroclor-1254	55.8	ug/kg		J	5BL
23A0206	LDW23-SS1096	23A0206-11	EPA 8270E	Benzo(g,h,i)perylene	78.7	ug/kg	Q	J	5BL
23A0206	LDW23-SS1096	23A0206-11	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1096	23A0206-11	EPA 8270E	Chrysene	217	ug/kg		J	8H
23A0206	LDW23-SS1096	23A0206-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	60.8	ug/kg		J	5BL
23A0206	LDW23-SS1096	23A0206-11	EPA 8270E	Phenanthrene	79.2	ug/kg		J	9
23A0206	LDW23-SS1096	23A0206-11	EPA 8270E-SIM	1,4-Dichlorobenzene	1.8	ug/kg	J	J	13H
23A0206	LDW23-SS1096	23A0206-11	EPA 8270E-SIM	Benzoic acid	99.2	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1096	23A0206-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1094	23A0206-12	EPA 7471B	Mercury	0.188	mg/kg		J	9
23A0206	LDW23-SS1094	23A0206-12	EPA 8082A	Aroclor-1254	62.1	ug/kg		J	5BL
23A0206	LDW23-SS1094	23A0206-12	EPA 8270E	Benzo(g,h,i)perylene	80.3	ug/kg	Q	J	5BL
23A0206	LDW23-SS1094	23A0206-12	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1094	23A0206-12	EPA 8270E	Chrysene	214	ug/kg		J	8H
23A0206	LDW23-SS1094	23A0206-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	64.7	ug/kg		J	5BL
23A0206	LDW23-SS1094	23A0206-12	EPA 8270E	Phenanthrene	90.7	ug/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0206	LDW23-SS1094	23A0206-12	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	J	13H
23A0206	LDW23-SS1094	23A0206-12	EPA 8270E-SIM	Benzoic acid	34.9	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1094	23A0206-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0206	LDW23-SS1066	23A0206-13	EPA 1613B	1,2,3,4,7,8,9-HpCDF	3.66	ng/kg	EMPC	J	25
23A0206	LDW23-SS1066	23A0206-13	EPA 1613B	2,3,7,8-TCDD	0.59	ng/kg	EMPC J	U	25
23A0206	LDW23-SS1066	23A0206-13	EPA 1613B	2,3,7,8-TCDF	9.6	ng/kg	X	J	12L,23H
23A0206	LDW23-SS1066	23A0206-13	EPA 7471B	Mercury	0.324	mg/kg		J	9
23A0206	LDW23-SS1066	23A0206-13	EPA 8082A	Aroclor-1254	801	ug/kg	D	J	5BL
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E	Benzo(g,h,i)perylene	116	ug/kg	Q	J	5BL
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E	Butyl benzyl phthalate	21.7	ug/kg	Q	J	5BL
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E	Chrysene	315	ug/kg		J	8H
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	91.1	ug/kg		J	5BL
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E	Phenanthrene	215	ug/kg		J	9
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E-SIM	1,2,4-Trichlorobenzene	2.7	ug/kg	J	J	13H
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E-SIM	1,2-Dichlorobenzene	6	ug/kg		J	13H
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E-SIM	1,4-Dichlorobenzene	53.6	ug/kg		J	13H
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E-SIM	Benzoic acid	48.5	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E-SIM	n-Nitrosodiphenylamine	11.7	ug/kg		J	13H
23A0206	LDW23-SS1066	23A0206-13	EPA 8270E-SIM	Pentachlorophenol	3.2	ug/kg	J	J	5BL,10H
23A0206	LDW23-SS1061	23A0206-14	EPA 7471B	Mercury	0.171	mg/kg		J	9
23A0206	LDW23-SS1061	23A0206-14	EPA 8082A	Aroclor-1254	69.2	ug/kg		J	5BL
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E	Benzo(g,h,i)perylene	107	ug/kg	Q	J	5BL
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E	Butyl benzyl phthalate	77.1	ug/kg	Q	J	5BL
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E	Chrysene	434	ug/kg		J	8H
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E	Indeno(1,2,3-cd)pyrene	91.2	ug/kg		J	5BL
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E	Phenanthrene	262	ug/kg		J	9
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E-SIM	1,2-Dichlorobenzene	1	ug/kg	J	U	7
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E-SIM	1,4-Dichlorobenzene	5.5	ug/kg		J	13H
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E-SIM	Benzoic acid	35.1	ug/kg	J	J	5BL,5CL
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.9	ug/kg	J	J	13H
23A0206	LDW23-SS1061	23A0206-14	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0206	LDW23-SS1021DUP1	BLD0124-DUP1	EPA 7471B	Mercury	0.279	mg/kg	*	J	9
23A0207	LDW23-IT1089	23A0207-02	EPA 1613B	1,2,3,6,7,8-HxCDF	1.04	ng/kg		J	5BL
23A0207	LDW23-IT1089	23A0207-02	EPA 1613B	1,2,3,7,8,9-HxCDF	0.455	ng/kg	[1]	U	25
23A0207	LDW23-IT1089	23A0207-02	EPA 1613B	1,2,3,7,8-PeCDF	0.262	ng/kg	EMPC J	U	25
23A0207	LDW23-IT1089	23A0207-02	EPA 1613B	2,3,7,8-TCDD	0.206	ng/kg	EMPC J	U	25
23A0207	LDW23-IT1097	23A0207-10	EPA 1613B	1,2,3,6,7,8-HxCDF	2.75	ng/kg		J	5BL,13H
23A0207	LDW23-IT1097	23A0207-10	EPA 1613B	1,2,3,7,8,9-HxCDF	1.16	ng/kg	EMPC B	J	25
23A0207	LDW23-IT1097	23A0207-10	EPA 1613B	2,3,7,8-TCDF	3.41	ng/kg	X B	J	23H
23A0207	LDW23-IT1078	23A0207-15	EPA 9060	Total Organic carbon (TOC)	0.86	%		J	9
23A0207	LDW23-IT1201	23A0207-16	EPA 9060	Total Organic carbon (TOC)	1.57	%		J	9
23A0207	LDW23-IT1209	23A0207-17	EPA 1613B	1,2,3,6,7,8-HxCDF	3.58	ng/kg		J	5BL
23A0207	LDW23-IT1209	23A0207-17	EPA 1613B	2,3,7,8-TCDF	2.55	ng/kg	X B	J	23H
23A0207	LDW23-IT1209	23A0207-17	EPA 1613B	OCDD	9540	ng/kg	E B	J	20
23A0207	LDW23-IT1209	23A0207-17	EPA 9060	Total Organic carbon (TOC)	1.57	%		J	9
23A0207	LDW23-IT1078DUP1	BLA0360-DUP1	EPA 9060	Total Organic carbon (TOC)	0.64	%	*	J	9
23A0249	LDW23-SC1083	23A0249-02	EPA 6020	Silver	0.35	mg/kg		J	8L
23A0249	LDW23-SC1083	23A0249-02	EPA 7471B	Mercury	0.197	mg/kg		J	9
23A0249	LDW23-SC1083	23A0249-02	EPA 8270E	Acenaphthylene		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1083	23A0249-02	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1083	23A0249-02	EPA 8270E	Total benzofluoranthenes	19.5	ug/kg	J	J	5BL
23A0249	LDW23-SC1083	23A0249-02	EPA 8270E-SIM	1,2-Dichlorobenzene	1.2	ug/kg	J	J	13H
23A0249	LDW23-SC1083	23A0249-02	EPA 8270E-SIM	1,4-Dichlorobenzene	2.1	ug/kg	J	U	7
23A0249	LDW23-SC1083	23A0249-02	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0249	LDW23-SC1083	23A0249-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1083	23A0249-02	EPA 9060	Total Organic carbon (TOC)	2.72	%		J	9
23A0249	LDW23-SC1018	23A0249-03	EPA 6020	Silver	0.32	mg/kg	J	J	8L
23A0249	LDW23-SC1018	23A0249-03	EPA 7471B	Mercury	0.219	mg/kg		J	9
23A0249	LDW23-SC1018	23A0249-03	EPA 8270E	Acenaphthylene		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1018	23A0249-03	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1018	23A0249-03	EPA 8270E	Total benzofluoranthenes	73.6	ug/kg		J	5BL
23A0249	LDW23-SC1018	23A0249-03	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0249	LDW23-SC1018	23A0249-03	EPA 8270E-SIM	n-Nitrosodiphenylamine	1.3	ug/kg	J	J	13H
23A0249	LDW23-SC1018	23A0249-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1018	23A0249-03	EPA 9060	Total Organic carbon (TOC)	2.58	%		J	9
23A0249	LDW23-SC1084	23A0249-04	EPA 6020	Silver	0.28	mg/kg	J	J	8L
23A0249	LDW23-SC1084	23A0249-04	EPA 7471B	Mercury	0.184	mg/kg		J	9
23A0249	LDW23-SC1084	23A0249-04	EPA 8270E	Acenaphthylene		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1084	23A0249-04	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1084	23A0249-04	EPA 8270E	Total benzofluoranthenes	24.7	ug/kg	J	J	5BL
23A0249	LDW23-SC1084	23A0249-04	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0249	LDW23-SC1084	23A0249-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1084	23A0249-04	EPA 9060	Total Organic carbon (TOC)	2.16	%		J	9
23A0249	LDW23-SC1025	23A0249-05	EPA 6020	Silver	0.28	mg/kg	J	J	8L
23A0249	LDW23-SC1025	23A0249-05	EPA 7471B	Mercury	0.182	mg/kg		J	9
23A0249	LDW23-SC1025	23A0249-05	EPA 8082A	Aroclor-1248	86.6	ug/kg		J	5BL
23A0249	LDW23-SC1025	23A0249-05	EPA 8270E	Acenaphthylene		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1025	23A0249-05	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1025	23A0249-05	EPA 8270E	Total benzofluoranthenes	164	ug/kg		J	5BL
23A0249	LDW23-SC1025	23A0249-05	EPA 8270E-SIM	1,2-Dichlorobenzene	1.1	ug/kg	J	J	13H
23A0249	LDW23-SC1025	23A0249-05	EPA 8270E-SIM	1,4-Dichlorobenzene	2.2	ug/kg	J	U	7
23A0249	LDW23-SC1025	23A0249-05	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0249	LDW23-SC1025	23A0249-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1025	23A0249-05	EPA 9060	Total Organic carbon (TOC)	1.5	%		J	9
23A0249	LDW23-SC1033	23A0249-06	EPA 9060	Total Organic carbon (TOC)	0.48	%		J	9
23A0249	LDW23-IT1034	23A0249-07	EPA 8082A	Aroclor-1248	21.4	ug/kg	P1	NJ	3
23A0249	LDW23-IT1034	23A0249-07	EPA 9060	Total Organic carbon (TOC)	0.71	%		J	9
23A0249	LDW23-SC1024	23A0249-08	EPA 6020	Silver	0.31	mg/kg	J	J	8L
23A0249	LDW23-SC1024	23A0249-08	EPA 7471B	Mercury	0.187	mg/kg		J	9
23A0249	LDW23-SC1024	23A0249-08	EPA 8082A	Aroclor-1248	24	ug/kg		J	5BL
23A0249	LDW23-SC1024	23A0249-08	EPA 8270E	Acenaphthylene	6.3	ug/kg	J	J	5BL
23A0249	LDW23-SC1024	23A0249-08	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1024	23A0249-08	EPA 8270E	Total benzofluoranthenes	151	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0249	LDW23-SC1024	23A0249-08	EPA 8270E-SIM	1,4-Dichlorobenzene	2.8	ug/kg	J	U	7
23A0249	LDW23-SC1024	23A0249-08	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0249	LDW23-SC1024	23A0249-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1024	23A0249-08	EPA 9060	Total Organic carbon (TOC)	2.2	%		J	9
23A0249	LDW23-SC1040	23A0249-09	EPA 8082A	Aroclor-1248	52.9	ug/kg		J	5BL
23A0249	LDW23-SC1040	23A0249-09	EPA 8082A	Aroclor-1260	56.8	ug/kg		J	19
23A0249	LDW23-SC1040	23A0249-09	EPA 9060	Total Organic carbon (TOC)	1.95	%		J	9
23A0249	LDW23-SC1030	23A0249-10	EPA 8082A	Aroclor-1248	41.1	ug/kg		J	5BL
23A0249	LDW23-SC1030	23A0249-10	EPA 9060	Total Organic carbon (TOC)	3.02	%		J	9
23A0249	LDW23-SC1020	23A0249-11	EPA 6020	Silver	0.07	mg/kg	J	J	8L
23A0249	LDW23-SC1020	23A0249-11	EPA 7471B	Mercury	0.0414	mg/kg		J	9
23A0249	LDW23-SC1020	23A0249-11	EPA 8270E	Acenaphthylene		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1020	23A0249-11	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1020	23A0249-11	EPA 8270E	Total benzofluoranthenes		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1020	23A0249-11	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0249	LDW23-SC1020	23A0249-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0249	LDW23-SC1020	23A0249-11	EPA 9060	Total Organic carbon (TOC)	1.02	%		J	9
23A0249	LDW23-SC1083DUP1	BLD0244-DUP1	EPA 6020	Silver	0.34	mg/kg		J	8L
23A0249	LDW23-SC1083DUP1	BLD0245-DUP1	EPA 7471B	Mercury	0.245	mg/kg	*	J	9
23A0295	LDW23-SC1074	23A0295-01	EPA 6020	Silver	0.96	mg/kg		J	8L
23A0295	LDW23-SC1074	23A0295-01	EPA 7471B	Mercury	0.407	mg/kg		J	9
23A0295	LDW23-SC1074	23A0295-01	EPA 8270E	Acenaphthylene		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1074	23A0295-01	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1074	23A0295-01	EPA 8270E	Total benzofluoranthenes	73.5	ug/kg		J	5BL
23A0295	LDW23-SC1074	23A0295-01	EPA 8270E-SIM	1,2,4-Trichlorobenzene	3.7	ug/kg	J	J	13H
23A0295	LDW23-SC1074	23A0295-01	EPA 8270E-SIM	1,2-Dichlorobenzene	2.1	ug/kg	J	J	13H
23A0295	LDW23-SC1074	23A0295-01	EPA 8270E-SIM	1,4-Dichlorobenzene	6	ug/kg		J	13H
23A0295	LDW23-SC1074	23A0295-01	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0295	LDW23-SC1074	23A0295-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1074	23A0295-01	EPA 9060	Total Organic carbon (TOC)	2.05	%		J	9
23A0295	LDW23-SC1075	23A0295-02	EPA 1613B	2,3,7,8-TCDF	2.27	ng/kg	X	J	23H

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0295	LDW23-SC1075	23A0295-02	EPA 6020	Silver	0.77	mg/kg		J	8L
23A0295	LDW23-SC1075	23A0295-02	EPA 7471B	Mercury	0.407	mg/kg		J	9
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E	Acenaphthylene		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E	Total benzofluoranthenes	83.3	ug/kg		J	5BL
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E-SIM	1,2,4-Trichlorobenzene	4.8	ug/kg	J	J	13H
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E-SIM	1,2-Dichlorobenzene	1.9	ug/kg	J	J	13H
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E-SIM	1,4-Dichlorobenzene	5.9	ug/kg		J	13H
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E-SIM	Benzoic acid	14.8	ug/kg	J	J	5BL,5CL
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E-SIM	n-Nitrosodiphenylamine	2.7	ug/kg	J	J	13H
23A0295	LDW23-SC1075	23A0295-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1075	23A0295-02	EPA 9060	Total Organic carbon (TOC)	2.27	%		J	9
23A0295	LDW23-SC1038B	23A0295-03	EPA 6020	Silver	0.42	mg/kg		J	8L
23A0295	LDW23-SC1038B	23A0295-03	EPA 7471B	Mercury	0.19	mg/kg		J	9
23A0295	LDW23-SC1038B	23A0295-03	EPA 8270E	Butyl benzyl phthalate	9.1	ug/kg	J	J	5BL
23A0295	LDW23-SC1038B	23A0295-03	EPA 8270E	Total benzofluoranthenes	181	ug/kg	Q	J	5BL
23A0295	LDW23-SC1038B	23A0295-03	EPA 8270E-SIM	1,2-Dichlorobenzene	1.4	ug/kg	J	J	13H
23A0295	LDW23-SC1038B	23A0295-03	EPA 8270E-SIM	1,4-Dichlorobenzene	2.4	ug/kg	J	U	7
23A0295	LDW23-SC1038B	23A0295-03	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0295	LDW23-SC1038B	23A0295-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1038B	23A0295-03	EPA 9060	Total Organic carbon (TOC)	2.07	%		J	9
23A0295	LDW23-SC1023B	23A0295-04	EPA 1613B	1,2,3,4,7,8-HxCDF	5.95	ng/kg		J	5BL
23A0295	LDW23-SC1023B	23A0295-04	EPA 1613B	1,2,3,7,8,9-HxCDF	0.945	ng/kg	EMPC J	U	25
23A0295	LDW23-SC1023B	23A0295-04	EPA 1613B	2,3,4,6,7,8-HxCDF	1.11	ng/kg	EMPC	J	25
23A0295	LDW23-SC1023B	23A0295-04	EPA 1613B	2,3,7,8-TCDF	0.959	ng/kg	X J	J	23H
23A0295	LDW23-SC1023B	23A0295-04	EPA 6020	Silver	0.29	mg/kg	J	J	8L
23A0295	LDW23-SC1023B	23A0295-04	EPA 7471B	Mercury	0.168	mg/kg		J	9
23A0295	LDW23-SC1023B	23A0295-04	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1023B	23A0295-04	EPA 8270E	Total benzofluoranthenes	190	ug/kg	Q	J	5BL
23A0295	LDW23-SC1023B	23A0295-04	EPA 8270E-SIM	1,4-Dichlorobenzene	2	ug/kg	J	U	7
23A0295	LDW23-SC1023B	23A0295-04	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0295	LDW23-SC1023B	23A0295-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1023B	23A0295-04	EPA 9060	Total Organic carbon (TOC)	2.13	%		J	9
23A0295	LDW23-SC1022A	23A0295-05	EPA 6020	Silver	0.43	mg/kg		J	8L
23A0295	LDW23-SC1022A	23A0295-05	EPA 7471B	Mercury	0.282	mg/kg		J	9
23A0295	LDW23-SC1022A	23A0295-05	EPA 8270E	Butyl benzyl phthalate	11.7	ug/kg	J	J	5BL
23A0295	LDW23-SC1022A	23A0295-05	EPA 8270E	Total benzofluoranthenes	313	ug/kg	Q	J	5BL
23A0295	LDW23-SC1022A	23A0295-05	EPA 8270E-SIM	1,4-Dichlorobenzene	3.2	ug/kg	J	U	7
23A0295	LDW23-SC1022A	23A0295-05	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0295	LDW23-SC1022A	23A0295-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1022A	23A0295-05	EPA 9060	Total Organic carbon (TOC)	2.26	%		J	9
23A0295	LDW23-SC1017B	23A0295-06	EPA 6020	Silver	0.33	mg/kg	J	J	8L
23A0295	LDW23-SC1017B	23A0295-06	EPA 7471B	Mercury	0.222	mg/kg		J	9
23A0295	LDW23-SC1017B	23A0295-06	EPA 8082A	Aroclor-1254	58.5	ug/kg		J	5BL
23A0295	LDW23-SC1017B	23A0295-06	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1017B	23A0295-06	EPA 8270E	Total benzofluoranthenes	241	ug/kg	Q	J	5BL
23A0295	LDW23-SC1017B	23A0295-06	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0295	LDW23-SC1017B	23A0295-06	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.4	ug/kg	J	J	13H
23A0295	LDW23-SC1017B	23A0295-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1017B	23A0295-06	EPA 9060	Total Organic carbon (TOC)	2.12	%		J	9
23A0295	LDW23-SC1019	23A0295-07	EPA 6020	Silver	0.12	mg/kg	J	J	8L
23A0295	LDW23-SC1019	23A0295-07	EPA 7471B	Mercury	0.0278	mg/kg		J	9
23A0295	LDW23-SC1019	23A0295-07	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1019	23A0295-07	EPA 8270E	Total benzofluoranthenes	21.2	ug/kg	J	J	5BL
23A0295	LDW23-SC1019	23A0295-07	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0295	LDW23-SC1019	23A0295-07	EPA 8270E-SIM	n-Nitrosodiphenylamine	1.7	ug/kg	J	J	13H
23A0295	LDW23-SC1019	23A0295-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0295	LDW23-IT1027	23A0295-08	EPA 8082A	Aroclor-1248		ug/kg	U	UJ	5BL
23A0295	LDW23-SC1026	23A0295-09	EPA 6020	Silver	0.2	mg/kg	J	J	8L
23A0295	LDW23-SC1026	23A0295-09	EPA 7471B	Mercury	0.172	mg/kg		J	9
23A0295	LDW23-SC1026	23A0295-09	EPA 8270E	Butyl benzyl phthalate	10.7	ug/kg	J	J	5BL
23A0295	LDW23-SC1026	23A0295-09	EPA 8270E	Total benzofluoranthenes	374	ug/kg	Q	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0295	LDW23-SC1026	23A0295-09	EPA 8270E-SIM	1,4-Dichlorobenzene	1.8	ug/kg	J	U	7
23A0295	LDW23-SC1026	23A0295-09	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0295	LDW23-SC1026	23A0295-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0295	LDW23-IT1041	23A0295-10	EPA 6020	Silver		mg/kg	U	UJ	8L
23A0295	LDW23-IT1041	23A0295-10	EPA 7471B	Mercury	0.008	mg/kg	J	J	9
23A0295	LDW23-IT1041	23A0295-10	EPA 8082A	Aroclor-1248		ug/kg	U	UJ	5BL
23A0295	LDW23-IT1041	23A0295-10	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0295	LDW23-IT1041	23A0295-10	EPA 8270E	Pyrene	7.7	ug/kg	J	J	8L
23A0295	LDW23-IT1041	23A0295-10	EPA 8270E	Total benzofluoranthenes		ug/kg	U	UJ	5BL
23A0295	LDW23-IT1041	23A0295-10	EPA 8270E-SIM	1,4-Dichlorobenzene	1	ug/kg	J	U	7
23A0295	LDW23-IT1041	23A0295-10	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0295	LDW23-IT1041	23A0295-10	EPA 8270E-SIM	Pentachlorophenol	4.6	ug/kg	J	J	5BL
23A0313	LDW23-SC1095	23A0313-06	EPA 8082A	Aroclor-1016		ug/kg	U	UJ	13L
23A0313	LDW23-SC1095	23A0313-06	EPA 8082A	Aroclor-1221		ug/kg	U	UJ	13L
23A0313	LDW23-SC1095	23A0313-06	EPA 8082A	Aroclor-1232		ug/kg	U	UJ	13L
23A0313	LDW23-SC1095	23A0313-06	EPA 8082A	Aroclor-1242		ug/kg	U	UJ	13L
23A0313	LDW23-SC1095	23A0313-06	EPA 8082A	Aroclor-1248	45.8	ug/kg		J	13L
23A0313	LDW23-SC1095	23A0313-06	EPA 8082A	Aroclor-1254	52.8	ug/kg		J	13L
23A0313	LDW23-SC1095	23A0313-06	EPA 8082A	Aroclor-1260	52.5	ug/kg		J	13L
23A0313	LDW23-SC1076	23A0313-07	EPA 8082A	Aroclor-1260	28.8	ug/kg		J	9
23A0313	LDW23-SC1016A	23A0313-08	EPA 8270E	Butyl benzyl phthalate	10	ug/kg	J	J	5BL
23A0313	LDW23-SC1016A	23A0313-08	EPA 8270E-SIM	1,4-Dichlorobenzene	2.6	ug/kg	J	U	7
23A0313	LDW23-SC1016A	23A0313-08	EPA 8270E-SIM	Benzoic acid	57.3	ug/kg	J	J	5CL,5BL
23A0313	LDW23-SC1016A	23A0313-08	EPA 8270E-SIM	Benzyl alcohol	26.7	ug/kg		UJ	5BL,7
23A0313	LDW23-SC1016A	23A0313-08	EPA 8270E-SIM	n-Nitrosodiphenylamine	5.6	ug/kg		J	13H
23A0313	LDW23-SC1016A	23A0313-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0313	LDW23-SC1011A	23A0313-09	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0313	LDW23-SC1011A	23A0313-09	EPA 8270E-SIM	1,4-Dichlorobenzene	1.7	ug/kg	J	U	7
23A0313	LDW23-SC1011A	23A0313-09	EPA 8270E-SIM	Benzoic acid	43.2	ug/kg	J	J	5CL,5BL
23A0313	LDW23-SC1011A	23A0313-09	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.8	ug/kg	J	J	13H
23A0313	LDW23-SC1011A	23A0313-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0313	LDW23-SC1006A	23A0313-10	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0313	LDW23-SC1006A	23A0313-10	EPA 8270E-SIM	1,4-Dichlorobenzene	2.3	ug/kg	J	U	7
23A0313	LDW23-SC1006A	23A0313-10	EPA 8270E-SIM	Benzoic acid	30	ug/kg	J	J	5CL,5BL
23A0313	LDW23-SC1006A	23A0313-10	EPA 8270E-SIM	Benzyl alcohol	22.5	ug/kg		U	7
23A0313	LDW23-SC1006A	23A0313-10	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.9	ug/kg	J	J	13H
23A0313	LDW23-SC1006A	23A0313-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0313	LDW23-SC1012B	23A0313-11	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0313	LDW23-SC1012B	23A0313-11	EPA 8270E-SIM	1,4-Dichlorobenzene	3	ug/kg	J	U	7
23A0313	LDW23-SC1012B	23A0313-11	EPA 8270E-SIM	Benzoic acid	18.9	ug/kg	J	J	5CL,5BL
23A0313	LDW23-SC1012B	23A0313-11	EPA 8270E-SIM	Benzyl alcohol	16.1	ug/kg	J	U	7
23A0313	LDW23-SC1012B	23A0313-11	EPA 8270E-SIM	n-Nitrosodiphenylamine	5.2	ug/kg		J	13H
23A0313	LDW23-SC1012B	23A0313-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0313	LDW23-IT1148	23A0313-12	EPA 1613B	1,2,3,4,7,8,9-HpCDF	0.413	ng/kg	EMPC J	U	25
23A0313	LDW23-IT1148	23A0313-12	EPA 1613B	1,2,3,4,7,8-HxCDD	0.319	ng/kg	EMPC J	U	25
23A0313	LDW23-IT1148	23A0313-12	EPA 1613B	1,2,3,4,7,8-HxCDF	0.445	ng/kg	EMPC J B	U	25
23A0313	LDW23-IT1148	23A0313-12	EPA 1613B	1,2,3,7,8,9-HxCDF	0.17	ng/kg	EMPC J	U	25
23A0313	LDW23-IT1148	23A0313-12	EPA 1613B	1,2,3,7,8-PeCDD	0.188	ng/kg	EMPC J B	U	25
23A0313	LDW23-IT1148	23A0313-12	EPA 1613B	1,2,3,7,8-PeCDF	0.137	ng/kg	EMPC J	U	25
23A0313	LDW23-SC1159	23A0313-13	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0313	LDW23-SC1159	23A0313-13	EPA 8270E-SIM	1,2-Dichlorobenzene	0.8	ug/kg	J	J	13H
23A0313	LDW23-SC1159	23A0313-13	EPA 8270E-SIM	1,4-Dichlorobenzene	2.3	ug/kg	J	U	7
23A0313	LDW23-SC1159	23A0313-13	EPA 8270E-SIM	Benzoic acid	22	ug/kg	J	J	5CL,5BL
23A0313	LDW23-SC1159	23A0313-13	EPA 8270E-SIM	Benzyl alcohol	19.5	ug/kg	J	U	7
23A0313	LDW23-SC1159	23A0313-13	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.6	ug/kg	J	J	13H
23A0313	LDW23-SC1159	23A0313-13	EPA 8270E-SIM	Pentachlorophenol	4.4	ug/kg	J	J	5BL
23A0326	LDW23-SC1028	23A0326-01	EPA 1613B	1,2,3,7,8,9-HxCDF	0.978	ng/kg	EMPC J	U	25
23A0326	LDW23-SC1028	23A0326-01	EPA 1613B	2,3,4,6,7,8-HxCDF	1.17	ng/kg	EMPC	J	25
23A0326	LDW23-SC1028	23A0326-01	EPA 1613B	2,3,7,8-TCDD	0.25	ng/kg	EMPC J	U	25
23A0326	LDW23-SC1028	23A0326-01	EPA 1613B	2,3,7,8-TCDF	0.791	ng/kg	X J	J	23H
23A0326	LDW23-SC1028	23A0326-01	EPA 7471B	Mercury	0.13	mg/kg		J	9
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	13L

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E	Butyl benzyl phthalate	13.2	ug/kg	J	J	5BL
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E	Pentachlorophenol	39.5	ug/kg	J	J	13L
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E	Phenol	52.4	ug/kg		J	13L
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E-SIM	1,2-Dichlorobenzene	1.1	ug/kg	J	J	13H
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E-SIM	1,4-Dichlorobenzene	2.5	ug/kg	J	U	7
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	13L
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E-SIM	Benzoic acid	19	ug/kg	J	J	5BL,5CL,13L
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E-SIM	Benzyl alcohol	15.5	ug/kg	J	UJ	7,13L
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.5	ug/kg	J	J	13H
23A0326	LDW23-SC1028	23A0326-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	R	13L
23A0326	LDW23-SC1032	23A0326-02	EPA 7471B	Mercury	0.145	mg/kg		J	9
23A0326	LDW23-SC1032	23A0326-02	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0326	LDW23-SC1032	23A0326-02	EPA 8270E-SIM	1,4-Dichlorobenzene	2.1	ug/kg	J	U	7
23A0326	LDW23-SC1032	23A0326-02	EPA 8270E-SIM	Benzoic acid	36.1	ug/kg	J	J	5BL,5CL
23A0326	LDW23-SC1032	23A0326-02	EPA 8270E-SIM	Benzyl alcohol	28.9	ug/kg		U	7
23A0326	LDW23-SC1032	23A0326-02	EPA 8270E-SIM	n-Nitrosodiphenylamine	3.6	ug/kg	J	J	13H
23A0326	LDW23-SC1032	23A0326-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0326	LDW23-SC1170A	23A0326-04	EPA 7471B	Mercury	0.115	mg/kg		J	9
23A0326	LDW23-SC1170A	23A0326-04	EPA 8270E	Butyl benzyl phthalate	9.8	ug/kg	J	J	5BL
23A0326	LDW23-SC1170A	23A0326-04	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7
23A0326	LDW23-SC1170A	23A0326-04	EPA 8270E-SIM	Benzoic acid	84.7	ug/kg	J	J	5BL,5CL
23A0326	LDW23-SC1170A	23A0326-04	EPA 8270E-SIM	Benzyl alcohol	58.9	ug/kg		U	7
23A0326	LDW23-SC1170A	23A0326-04	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.6	ug/kg	J	J	13H
23A0326	LDW23-SC1170A	23A0326-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0326	LDW23-SC1169C	23A0326-05	EPA 7471B	Mercury	0.15	mg/kg		J	9
23A0326	LDW23-SC1169C	23A0326-05	EPA 8270E	Butyl benzyl phthalate	23.8	ug/kg	Q	J	5BL
23A0326	LDW23-SC1169C	23A0326-05	EPA 8270E-SIM	1,2-Dichlorobenzene	1.4	ug/kg	J	J	13H
23A0326	LDW23-SC1169C	23A0326-05	EPA 8270E-SIM	1,4-Dichlorobenzene	3.5	ug/kg	J	U	7
23A0326	LDW23-SC1169C	23A0326-05	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0326	LDW23-SC1169C	23A0326-05	EPA 8270E-SIM	Benzyl alcohol	32.8	ug/kg		U	7
23A0326	LDW23-SC1169C	23A0326-05	EPA 8270E-SIM	n-Nitrosodiphenylamine	7.7	ug/kg		J	13H

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0326	LDW23-SC1169C	23A0326-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0326	LDW23-IT1127	23A0326-09	EPA 1613B	2,3,7,8-TCDD	0.695	ng/kg	EMPC J	U	25
23A0326	LDW23-IT1127	23A0326-09	EPA 1613B	2,3,7,8-TCDF	2.44	ng/kg	X	J	23H
23A0326	LDW23-IT1127	23A0326-09	EPA 8082A	Aroclor-1260	88.1	ug/kg		J	19
23A0326	LDW23-SC1161	23A0326-10	EPA 7471B	Mercury	0.19	mg/kg		J	9
23A0326	LDW23-SC1161	23A0326-10	EPA 8270E	Butyl benzyl phthalate	11.6	ug/kg	J	J	5BL
23A0326	LDW23-SC1161	23A0326-10	EPA 8270E-SIM	1,4-Dichlorobenzene	10.5	ug/kg		J	13H
23A0326	LDW23-SC1161	23A0326-10	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0326	LDW23-SC1161	23A0326-10	EPA 8270E-SIM	Benzyl alcohol	32	ug/kg		U	7
23A0326	LDW23-SC1161	23A0326-10	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.2	ug/kg	J	J	13H
23A0326	LDW23-SC1161	23A0326-10	EPA 8270E-SIM	Pentachlorophenol	2.1	ug/kg	J	J	5BL
23A0326	LDW23-SC1155	23A0326-11	EPA 7471B	Mercury	0.127	mg/kg		J	9
23A0326	LDW23-SC1155	23A0326-11	EPA 8270E	Butyl benzyl phthalate	11.1	ug/kg	J	J	5BL
23A0326	LDW23-SC1155	23A0326-11	EPA 8270E-SIM	1,4-Dichlorobenzene	1.6	ug/kg	J	U	7
23A0326	LDW23-SC1155	23A0326-11	EPA 8270E-SIM	Benzoic acid	21	ug/kg	J	J	5BL,5CL
23A0326	LDW23-SC1155	23A0326-11	EPA 8270E-SIM	Benzyl alcohol	35.2	ug/kg		U	7
23A0326	LDW23-SC1155	23A0326-11	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.1	ug/kg	J	J	13H
23A0326	LDW23-SC1155	23A0326-11	EPA 8270E-SIM	Pentachlorophenol	2.6	ug/kg	J	J	5BL
23A0326	LDW23-SC1162B	23A0326-12	EPA 1613B	2,3,7,8-TCDD	0.497	ng/kg	EMPC J	U	25
23A0326	LDW23-SC1162B	23A0326-12	EPA 1613B	2,3,7,8-TCDF	1.21	ng/kg	X	J	23H
23A0326	LDW23-SC1162B	23A0326-12	EPA 7471B	Mercury	0.153	mg/kg		J	9
23A0326	LDW23-SC1162B	23A0326-12	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	UJ	5BL
23A0326	LDW23-SC1162B	23A0326-12	EPA 8270E-SIM	1,4-Dichlorobenzene	1.8	ug/kg	J	U	7
23A0326	LDW23-SC1162B	23A0326-12	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0326	LDW23-SC1162B	23A0326-12	EPA 8270E-SIM	Benzyl alcohol	37.3	ug/kg		U	7
23A0326	LDW23-SC1162B	23A0326-12	EPA 8270E-SIM	n-Nitrosodiphenylamine	4.2	ug/kg	J	J	13H
23A0326	LDW23-SC1162B	23A0326-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0326	LDW23-SC1028DUP1	BLD0395-DUP1	EPA 7471B	Mercury	0.139	mg/kg		J	9
23A0328	LDW23-SS1278	23A0328-01	EPA 8082A	Aroclor-1260	51.9	ug/kg		J	10H
23A0328	LDW23-SS1209	23A0328-02	EPA 8082A	Aroclor-1248	226	ug/kg	D	J	13H
23A0328	LDW23-SS1209	23A0328-02	EPA 8082A	Aroclor-1254	394	ug/kg	D	J	13H

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0328	LDW23-SS1209	23A0328-02	EPA 8082A	Aroclor-1260	286	ug/kg	D	J	9,10H,13H
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	2-Methylnaphthalene	15.9	ug/kg	J	J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	4-Methylphenol	25.7	ug/kg		J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Acenaphthene	61	ug/kg		J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Acenaphthylene	38.7	ug/kg		J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Anthracene	281	ug/kg		J	8L,9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Benzo(a)anthracene	938	ug/kg		J	8L
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Benzo(a)pyrene	1330	ug/kg		J	8L
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Benzo(g,h,i)perylene	149	ug/kg	Q	J	5BL,8L,9,10L
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Bis(2-ethylhexyl)phthalate	263	ug/kg		J	8L,9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Chrysene	1100	ug/kg		J	8L
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Dibenzo(a,h)anthracene	56.5	ug/kg	Q	J	5BL,8L,9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Dibenzofuran	38.7	ug/kg		J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Dimethyl phthalate	8.3	ug/kg	J	J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Fluoranthene	792	ug/kg		J	8L,9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Fluorene	55.8	ug/kg		J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	161	ug/kg	Q	J	5BL,8L,9,10L
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Naphthalene	31.6	ug/kg		J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Phenanthrene	191	ug/kg		J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Phenol	24.9	ug/kg		J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Pyrene	6110	ug/kg	E	DNR	20
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E	Total benzofluoranthenes	4040	ug/kg	E	DNR	20
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E-SIM	1,2-Dichlorobenzene	1.2	ug/kg	J	J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E-SIM	1,4-Dichlorobenzene	2.9	ug/kg	J	J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E-SIM	2,4-Dimethylphenol	4.5	ug/kg	J	J	9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E-SIM	Benzoic acid	55.2	ug/kg	J	J	5A,5CL,5BL,9
23A0328	LDW23-SS1209	23A0328-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Anthracene	205	ug/kg	J D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Benzo(a)anthracene	911	ug/kg	D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Benzo(a)pyrene	1220	ug/kg	D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Benzo(g,h,i)perylene	314	ug/kg	J D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	162	ug/kg	J D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Chrysene	1110	ug/kg	D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Fluoranthene	675	ug/kg	D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	308	ug/kg	J D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Phenanthrene	192	ug/kg	J D	DNR	11
23A0328	LDW23-SS1209	23A0328-02RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
23A0328	LDW23-SS1108	23A0328-03	EPA 8082A	Aroclor-1260	64.4	ug/kg		J	10H
23A0328	LDW23-SS1108	23A0328-03	EPA 8270E	Benzo(g,h,i)perylene	27.5	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1108	23A0328-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0328	LDW23-SS1108	23A0328-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	24.1	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1108	23A0328-03	EPA 8270E	Total benzofluoranthenes	420	ug/kg		J	5BH
23A0328	LDW23-SS1108	23A0328-03	EPA 8270E-SIM	Benzoic acid	147	ug/kg		J	5A,5BL,5CL
23A0328	LDW23-SS1108	23A0328-03	EPA 8270E-SIM	Pentachlorophenol	3.6	ug/kg	J	J	5BL,5CL
23A0328	LDW23-SS1120	23A0328-04	EPA 8082A	Aroclor-1260	195	ug/kg	D	J	10H
23A0328	LDW23-SS1120	23A0328-04	EPA 8270E	Benzo(g,h,i)perylene	48.3	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1120	23A0328-04	EPA 8270E	Dibenzo(a,h)anthracene	17.1	ug/kg	J	J	5BL
23A0328	LDW23-SS1120	23A0328-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	46.5	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1120	23A0328-04	EPA 8270E	Total benzofluoranthenes	780	ug/kg	Q	J	5BH
23A0328	LDW23-SS1120	23A0328-04	EPA 8270E-SIM	Benzoic acid	65.9	ug/kg	J	J	5A,5BL,5CL
23A0328	LDW23-SS1120	23A0328-04	EPA 8270E-SIM	Benzyl alcohol	5.4	ug/kg	J	U	7
23A0328	LDW23-SS1120	23A0328-04	EPA 8270E-SIM	Pentachlorophenol	3.2	ug/kg	J	J	5BL,5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0328	LDW23-SS1170	23A0328-05	EPA 8082A	Aroclor-1260	154	ug/kg	D	J	10H
23A0328	LDW23-SS1170	23A0328-05	EPA 8270E	Benzo(g,h,i)perylene	17.4	ug/kg	J	J	5BL,10L
23A0328	LDW23-SS1170	23A0328-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0328	LDW23-SS1170	23A0328-05	EPA 8270E	Indeno(1,2,3-cd)pyrene	16.7	ug/kg	J	J	5BL,10L
23A0328	LDW23-SS1170	23A0328-05	EPA 8270E	Total benzofluoranthenes	255	ug/kg	Q	J	5BH
23A0328	LDW23-SS1170	23A0328-05	EPA 8270E-SIM	Benzoic acid	115	ug/kg	Q	J	5A,5BL,5CL
23A0328	LDW23-SS1170	23A0328-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0328	LDW23-SS1168	23A0328-06	EPA 1613B	2,3,7,8-TCDD	0.462	ng/kg	EMPC J	U	25
23A0328	LDW23-SS1168	23A0328-06	EPA 1613B	2,3,7,8-TCDF	0.956	ng/kg	EMPC X J	UJ	23,25
23A0328	LDW23-SS1168	23A0328-06	EPA 8082A	Aroclor-1260	54.3	ug/kg		J	10H
23A0328	LDW23-SS1168	23A0328-06	EPA 8270E	Benzo(g,h,i)perylene	23	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1168	23A0328-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0328	LDW23-SS1168	23A0328-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	20.2	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1168	23A0328-06	EPA 8270E	Total benzofluoranthenes	345	ug/kg	Q	J	5BH
23A0328	LDW23-SS1168	23A0328-06	EPA 8270E-SIM	Benzoic acid	86.9	ug/kg	J	J	5A,5BL,5CL
23A0328	LDW23-SS1168	23A0328-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0328	LDW23-SS1176	23A0328-07	EPA 1613B	1,2,3,6,7,8-HxCDF	0.989	ng/kg	EMPC J	U	25
23A0328	LDW23-SS1176	23A0328-07	EPA 1613B	1,2,3,7,8-PeCDD	1.04	ng/kg	EMPC B	J	25
23A0328	LDW23-SS1176	23A0328-07	EPA 1613B	2,3,4,6,7,8-HxCDF	0.948	ng/kg	EMPC J	U	25
23A0328	LDW23-SS1176	23A0328-07	EPA 1613B	2,3,7,8-TCDD	0.314	ng/kg	EMPC J	U	25
23A0328	LDW23-SS1176	23A0328-07	EPA 8082A	Aroclor-1260	42.6	ug/kg		J	10H
23A0328	LDW23-SS1176	23A0328-07	EPA 8270E	Benzo(g,h,i)perylene	57.2	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1176	23A0328-07	EPA 8270E	Dibenzo(a,h)anthracene	25.9	ug/kg	Q	J	5BL
23A0328	LDW23-SS1176	23A0328-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	59.6	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1176	23A0328-07	EPA 8270E	Total benzofluoranthenes	1190	ug/kg	Q	J	5BH
23A0328	LDW23-SS1176	23A0328-07	EPA 8270E-SIM	Benzoic acid	73.1	ug/kg	J	J	5A,5BL,5CL
23A0328	LDW23-SS1176	23A0328-07	EPA 8270E-SIM	Pentachlorophenol	2.2	ug/kg	J	J	5BL,5CL
23A0328	LDW23-SS1181	23A0328-08	EPA 8082A	Aroclor-1260	64.1	ug/kg		J	10H
23A0328	LDW23-SS1181	23A0328-08	EPA 8270E	Benzo(g,h,i)perylene	33.3	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1181	23A0328-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0328	LDW23-SS1181	23A0328-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	30.3	ug/kg	Q	J	5BL,10L

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0328	LDW23-SS1181	23A0328-08	EPA 8270E	Total benzofluoranthenes	495	ug/kg	Q	J	5BH
23A0328	LDW23-SS1181	23A0328-08	EPA 8270E-SIM	Benzoic acid	127	ug/kg	Q	J	5A,5BL,5CL
23A0328	LDW23-SS1181	23A0328-08	EPA 8270E-SIM	Pentachlorophenol	3.9	ug/kg	J	J	5BL,5CL
23A0328	LDW23-SS1159	23A0328-09	EPA 8082A	Aroclor-1260	53.2	ug/kg		J	10H
23A0328	LDW23-SS1159	23A0328-09	EPA 8270E	Benzo(g,h,i)perylene	29.7	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1159	23A0328-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0328	LDW23-SS1159	23A0328-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	28.8	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1159	23A0328-09	EPA 8270E	Total benzofluoranthenes	544	ug/kg		J	5BH
23A0328	LDW23-SS1159	23A0328-09	EPA 8270E-SIM	Benzoic acid	95.9	ug/kg	J	J	5A,5BL,5CL
23A0328	LDW23-SS1159	23A0328-09	EPA 8270E-SIM	Pentachlorophenol	2.8	ug/kg	J	J	5BL,5CL
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Acenaphthene	25	ug/kg	J D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Anthracene	50	ug/kg	J D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Benzo(a)anthracene	141	ug/kg	D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Benzo(a)pyrene	141	ug/kg	D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	67	ug/kg	J D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Chrysene	247	ug/kg	D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Fluoranthene	612	ug/kg	D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Phenanthrene	167	ug/kg	D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Phenol	266	ug/kg	D	DNR	11
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Pyrene	606	ug/kg	D	DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0328	LDW23-SS1159	23A0328-09RE1	EPA 8270E	Total benzofluoranthenes	464	ug/kg	D	DNR	11
23A0328	LDW23-SS1155	23A0328-10	EPA 8082A	Aroclor-1260	43.7	ug/kg		J	10H
23A0328	LDW23-SS1155	23A0328-10	EPA 8270E	Benzo(g,h,i)perylene	15.9	ug/kg	J	J	5BL,10L
23A0328	LDW23-SS1155	23A0328-10	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0328	LDW23-SS1155	23A0328-10	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL,10L
23A0328	LDW23-SS1155	23A0328-10	EPA 8270E	Total benzofluoranthenes	240	ug/kg		J	5BH
23A0328	LDW23-SS1155	23A0328-10	EPA 8270E-SIM	Benzoic acid	72.6	ug/kg	J	J	5A,5BL,5CL
23A0328	LDW23-SS1155	23A0328-10	EPA 8270E-SIM	Benzyl alcohol	13.4	ug/kg	J	U	7
23A0328	LDW23-SS1155	23A0328-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Benzo(a)anthracene	62.1	ug/kg	J D	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Benzo(a)pyrene	66.8	ug/kg	J D	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	50.4	ug/kg	J D	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Chrysene	84.1	ug/kg	D	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Fluoranthene	131	ug/kg	D	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Phenanthrene	47.2	ug/kg	J D	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Phenol	142	ug/kg	D	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Pyrene	128	ug/kg	D	DNR	11
23A0328	LDW23-SS1155	23A0328-10RE1	EPA 8270E	Total benzofluoranthenes	203	ug/kg	D	DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0328	LDW23-SS1161	23A0328-11	EPA 8082A	Aroclor-1260	54.2	ug/kg		J	10H
23A0328	LDW23-SS1161	23A0328-11	EPA 8270E	Benzo(g,h,i)perylene	21.9	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1161	23A0328-11	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0328	LDW23-SS1161	23A0328-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	20	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1161	23A0328-11	EPA 8270E	Total benzofluoranthenes	363	ug/kg		J	5BH
23A0328	LDW23-SS1161	23A0328-11	EPA 8270E-SIM	Benzoic acid	81.4	ug/kg	J	J	5A,5BL,5CL
23A0328	LDW23-SS1161	23A0328-11	EPA 8270E-SIM	Benzyl alcohol	13.4	ug/kg	J	U	7
23A0328	LDW23-SS1161	23A0328-11	EPA 8270E-SIM	Pentachlorophenol	2.2	ug/kg	J	J	5BL,5CL
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Acenaphthene	46.5	ug/kg	J D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Anthracene	40.4	ug/kg	J D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Benzo(a)anthracene	109	ug/kg	D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Benzo(a)pyrene	101	ug/kg	D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	81.5	ug/kg	J D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Chrysene	151	ug/kg	D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Fluoranthene	438	ug/kg	D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Phenanthrene	179	ug/kg	D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Phenol	317	ug/kg	D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Pyrene	332	ug/kg	D	DNR	11
23A0328	LDW23-SS1161	23A0328-11RE1	EPA 8270E	Total benzofluoranthenes	309	ug/kg	D	DNR	11
23A0328	LDW23-SS1162	23A0328-12	EPA 1613B	2,3,4,6,7,8-HxCDF	1.19	ng/kg	EMPC	J	25

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0328	LDW23-SS1162	23A0328-12	EPA 1613B	2,3,7,8-TCDD	0.452	ng/kg	EMPC J	U	25
23A0328	LDW23-SS1162	23A0328-12	EPA 1613B	2,3,7,8-TCDF	1.02	ng/kg	X	J	23H
23A0328	LDW23-SS1162	23A0328-12	EPA 8082A	Aroclor-1260	63.5	ug/kg		J	10H
23A0328	LDW23-SS1162	23A0328-12	EPA 8270E	Benzo(g,h,i)perylene	26.2	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1162	23A0328-12	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0328	LDW23-SS1162	23A0328-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	25.6	ug/kg	Q	J	5BL,10L
23A0328	LDW23-SS1162	23A0328-12	EPA 8270E	Total benzofluoranthenes	405	ug/kg		J	5BH
23A0328	LDW23-SS1162	23A0328-12	EPA 8270E-SIM	Benzoic acid	160	ug/kg	Q	J	5A,5BL,5CL
23A0328	LDW23-SS1162	23A0328-12	EPA 8270E-SIM	Pentachlorophenol	2.4	ug/kg	J	J	5BL,5CL
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Anthracene	33.2	ug/kg	J D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Benzo(a)anthracene	92.6	ug/kg	D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Benzo(a)pyrene	116	ug/kg	D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	107	ug/kg	J D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Chrysene	140	ug/kg	D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Fluoranthene	212	ug/kg	D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Naphthalene	19.3	ug/kg	J D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Phenanthrene	71.7	ug/kg	J D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Phenol	534	ug/kg	D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Pyrene	200	ug/kg	D	DNR	11
23A0328	LDW23-SS1162	23A0328-12RE1	EPA 8270E	Total benzofluoranthenes	339	ug/kg	D	DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0328	BLB0017-SRM1	BLB0017-SRM1	EPA 8082A	Aroclor-1260	143	ug/kg		J	10H
23A0328	BLB0017-SRM1	BLB0017-SRM1	EPA 8082A	Aroclor-1260	147	ug/kg		J	10H
23A0417	LDW23-SS1127	23A0417-01	EPA 1613B	1,2,3,4,6,7,8-HpCDF	46.3	ng/kg	B	J	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 1613B	1,2,3,4,7,8-HxCDD	2.86	ng/kg	EMPC	J	25
23A0417	LDW23-SS1127	23A0417-01	EPA 1613B	1,2,3,4,7,8-HxCDF	7.49	ng/kg		J	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 1613B	1,2,3,7,8,9-HxCDF	1.57	ng/kg		J	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 1613B	1,2,3,7,8-PeCDF	0.627	ng/kg	EMPC J	U	25
23A0417	LDW23-SS1127	23A0417-01	EPA 1613B	2,3,7,8-TCDD	0.888	ng/kg	EMPC J	U	25
23A0417	LDW23-SS1127	23A0417-01	EPA 1613B	2,3,7,8-TCDF	0.904	ng/kg	EMPC X J	UJ	23,25
23A0417	LDW23-SS1127	23A0417-01	EPA 1613B	Total TCDF	6.69	ng/kg		J	9
23A0417	LDW23-SS1127	23A0417-01	EPA 6020	Copper	37.6	mg/kg	B	J	9
23A0417	LDW23-SS1127	23A0417-01	EPA 6020	Lead	25.2	mg/kg		J	9
23A0417	LDW23-SS1127	23A0417-01	EPA 7471B	Mercury	0.216	mg/kg		J	8L,9
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E	4-Methylphenol	24.1	ug/kg	Q	J	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	27.8	ug/kg	J	J	12L
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E	Fluoranthene	274	ug/kg		J	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E	Phenol	51.5	ug/kg	Q	J	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E	Pyrene	308	ug/kg		J	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.7	ug/kg	J	J	13H
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E-SIM	Benzoic acid	27.5	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1127	23A0417-01	EPA 9060	Total Organic carbon (TOC)	1.35	%		J	8H,9
23A0417	LDW23-SS1128	23A0417-02	EPA 6020	Copper	61.9	mg/kg	B	J	9
23A0417	LDW23-SS1128	23A0417-02	EPA 6020	Lead	28.9	mg/kg		J	9
23A0417	LDW23-SS1128	23A0417-02	EPA 7471B	Mercury	0.187	mg/kg		J	8L,9
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E	4-Methylphenol	34.8	ug/kg	Q	J	5BL
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E	Bis(2-ethylhexyl)phthalate	56.1	ug/kg		J	12L
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E	Fluoranthene	129	ug/kg		J	5BL
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E	Phenol	132	ug/kg	Q	J	5BL
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E	Pyrene	135	ug/kg		J	5BL

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E-SIM	1,4-Dichlorobenzene	1.8	ug/kg	J	J	13H
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E-SIM	Benzoic acid	82.8	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1128	23A0417-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1128	23A0417-02	EPA 9060	Total Organic carbon (TOC)	2.38	%		J	8H,9
23A0417	LDW23-SS1095	23A0417-03	EPA 1613B	1,2,3,4,6,7,8-HpCDF	41.7	ng/kg	B	J	5BL
23A0417	LDW23-SS1095	23A0417-03	EPA 1613B	1,2,3,4,7,8-HxCDF	6.14	ng/kg		J	5BL
23A0417	LDW23-SS1095	23A0417-03	EPA 1613B	1,2,3,7,8,9-HxCDF	1.97	ng/kg	EMPC	J	5BL,25
23A0417	LDW23-SS1095	23A0417-03	EPA 1613B	2,3,4,6,7,8-HxCDF	1.22	ng/kg	EMPC	J	25
23A0417	LDW23-SS1095	23A0417-03	EPA 1613B	2,3,7,8-TCDD	0.443	ng/kg	EMPC J	U	25
23A0417	LDW23-SS1095	23A0417-03	EPA 1613B	2,3,7,8-TCDF	1.08	ng/kg	X	J	23H
23A0417	LDW23-SS1095	23A0417-03	EPA 6020	Copper	72	mg/kg	B	J	9
23A0417	LDW23-SS1095	23A0417-03	EPA 6020	Lead	31	mg/kg		J	9
23A0417	LDW23-SS1095	23A0417-03	EPA 7471B	Mercury	0.181	mg/kg		J	8L,9
23A0417	LDW23-SS1095	23A0417-03	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1095	23A0417-03	EPA 8270E	Bis(2-ethylhexyl)phthalate	56.2	ug/kg		J	12L
23A0417	LDW23-SS1095	23A0417-03	EPA 8270E	Fluoranthene	186	ug/kg		J	5BL
23A0417	LDW23-SS1095	23A0417-03	EPA 8270E	Phenol	115	ug/kg	Q	J	5BL
23A0417	LDW23-SS1095	23A0417-03	EPA 8270E	Pyrene	205	ug/kg		J	5BL
23A0417	LDW23-SS1095	23A0417-03	EPA 8270E-SIM	Benzoic acid	48	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1095	23A0417-03	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1095	23A0417-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1095	23A0417-03	EPA 9060	Total Organic carbon (TOC)	2.65	%		J	8H,9
23A0417	LDW23-SS1090	23A0417-04	EPA 6020	Copper	56.3	mg/kg	B	J	9
23A0417	LDW23-SS1090	23A0417-04	EPA 6020	Lead	24.4	mg/kg		J	9
23A0417	LDW23-SS1090	23A0417-04	EPA 7471B	Mercury	0.204	mg/kg		J	8L,9
23A0417	LDW23-SS1090	23A0417-04	EPA 8270E	4-Methylphenol	19.1	ug/kg	J	J	5BL
23A0417	LDW23-SS1090	23A0417-04	EPA 8270E	Bis(2-ethylhexyl)phthalate	62.9	ug/kg		J	12L
23A0417	LDW23-SS1090	23A0417-04	EPA 8270E	Fluoranthene	115	ug/kg		J	5BL
23A0417	LDW23-SS1090	23A0417-04	EPA 8270E	Phenol	65.2	ug/kg	Q	J	5BL
23A0417	LDW23-SS1090	23A0417-04	EPA 8270E	Pyrene	117	ug/kg		J	5BL

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0417	LDW23-SS1090	23A0417-04	EPA 8270E-SIM	Benzoic acid	62.7	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1090	23A0417-04	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1090	23A0417-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1090	23A0417-04	EPA 9060	Total Organic carbon (TOC)	2.51	%		J	8H,9
23A0417	LDW23-SS1089	23A0417-05	EPA 1613B	1,2,3,4,6,7,8-HpCDF	29.6	ng/kg	B	J	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 1613B	1,2,3,4,7,8-HxCDF	4.38	ng/kg		J	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 1613B	1,2,3,7,8,9-HxCDF	0.919	ng/kg	J	J	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 1613B	2,3,4,7,8-PeCDF	0.919	ng/kg	EMPC J	U	25
23A0417	LDW23-SS1089	23A0417-05	EPA 1613B	2,3,7,8-TCDF	0.639	ng/kg	EMPC J	U	25
23A0417	LDW23-SS1089	23A0417-05	EPA 6020	Copper	30.7	mg/kg	B	J	9
23A0417	LDW23-SS1089	23A0417-05	EPA 6020	Lead	29.6	mg/kg		J	9
23A0417	LDW23-SS1089	23A0417-05	EPA 7471B	Mercury	0.054	mg/kg		J	8L,9
23A0417	LDW23-SS1089	23A0417-05	EPA 8270E	4-Methylphenol	888	ug/kg	Q	J	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 8270E	Bis(2-ethylhexyl)phthalate	19.3	ug/kg	J	J	12L
23A0417	LDW23-SS1089	23A0417-05	EPA 8270E	Fluoranthene	63.5	ug/kg		J	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 8270E	Phenol	14.9	ug/kg	J	J	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 8270E	Pyrene	70.8	ug/kg		J	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0417	LDW23-SS1089	23A0417-05	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1089	23A0417-05	EPA 9060	Total Organic carbon (TOC)	0.95	%		J	8H,9
23A0417	LDW23-SS1122	23A0417-06	EPA 6020	Copper	64.5	mg/kg	B	J	9
23A0417	LDW23-SS1122	23A0417-06	EPA 6020	Lead	25.5	mg/kg		J	9
23A0417	LDW23-SS1122	23A0417-06	EPA 7471B	Mercury	0.147	mg/kg		J	8L,9
23A0417	LDW23-SS1122	23A0417-06	EPA 8270E	4-Methylphenol	19.7	ug/kg	Q	J	5BL
23A0417	LDW23-SS1122	23A0417-06	EPA 8270E	Bis(2-ethylhexyl)phthalate	57.4	ug/kg		J	12L
23A0417	LDW23-SS1122	23A0417-06	EPA 8270E	Fluoranthene	168	ug/kg		J	5BL
23A0417	LDW23-SS1122	23A0417-06	EPA 8270E	Phenol	85.7	ug/kg	Q	J	5BL
23A0417	LDW23-SS1122	23A0417-06	EPA 8270E	Pyrene	167	ug/kg		J	5BL
23A0417	LDW23-SS1122	23A0417-06	EPA 8270E-SIM	Benzoic acid	50.4	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1122	23A0417-06	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0417	LDW23-SS1122	23A0417-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1122	23A0417-06	EPA 9060	Total Organic carbon (TOC)	2.51	%		J	8H,9
23A0417	LDW23-SS1088	23A0417-07	EPA 6020	Copper	40.5	mg/kg	B	J	9
23A0417	LDW23-SS1088	23A0417-07	EPA 6020	Lead	27.5	mg/kg		J	9
23A0417	LDW23-SS1088	23A0417-07	EPA 7471B	Mercury	0.0902	mg/kg		J	8L,9
23A0417	LDW23-SS1088	23A0417-07	EPA 8270E	4-Methylphenol	487	ug/kg	Q	J	5BL
23A0417	LDW23-SS1088	23A0417-07	EPA 8270E	Bis(2-ethylhexyl)phthalate	60	ug/kg		J	12L
23A0417	LDW23-SS1088	23A0417-07	EPA 8270E	Fluoranthene	96.9	ug/kg		J	5BL
23A0417	LDW23-SS1088	23A0417-07	EPA 8270E	Phenol	16.8	ug/kg	J	J	5BL
23A0417	LDW23-SS1088	23A0417-07	EPA 8270E	Pyrene	111	ug/kg		J	5BL
23A0417	LDW23-SS1088	23A0417-07	EPA 8270E-SIM	Benzoic acid	73.4	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1088	23A0417-07	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1088	23A0417-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1088	23A0417-07	EPA 9060	Total Organic carbon (TOC)	2.39	%		J	8H,9
23A0417	LDW23-SS1085	23A0417-08	EPA 6020	Copper	38.4	mg/kg	B	J	9
23A0417	LDW23-SS1085	23A0417-08	EPA 6020	Lead	14.5	mg/kg		J	9
23A0417	LDW23-SS1085	23A0417-08	EPA 7471B	Mercury	0.254	mg/kg		J	8L,9
23A0417	LDW23-SS1085	23A0417-08	EPA 8270E	4-Methylphenol	7.4	ug/kg	J	J	5BL
23A0417	LDW23-SS1085	23A0417-08	EPA 8270E	Bis(2-ethylhexyl)phthalate	41.7	ug/kg	J	J	12L
23A0417	LDW23-SS1085	23A0417-08	EPA 8270E	Fluoranthene	190	ug/kg		J	5BL
23A0417	LDW23-SS1085	23A0417-08	EPA 8270E	Phenol	20.4	ug/kg	Q	J	5BL
23A0417	LDW23-SS1085	23A0417-08	EPA 8270E	Pyrene	196	ug/kg		J	5BL
23A0417	LDW23-SS1085	23A0417-08	EPA 8270E-SIM	Benzoic acid	41.8	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1085	23A0417-08	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1085	23A0417-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1085	23A0417-08	EPA 9060	Total Organic carbon (TOC)	1.74	%		J	8H,9
23A0417	LDW23-SS1084	23A0417-09	EPA 6020	Copper	47.9	mg/kg	B	J	9
23A0417	LDW23-SS1084	23A0417-09	EPA 6020	Lead	20.5	mg/kg		J	9
23A0417	LDW23-SS1084	23A0417-09	EPA 7471B	Mercury	0.117	mg/kg		J	8L,9
23A0417	LDW23-SS1084	23A0417-09	EPA 8270E	4-Methylphenol	31.2	ug/kg	Q	J	5BL
23A0417	LDW23-SS1084	23A0417-09	EPA 8270E	Bis(2-ethylhexyl)phthalate	25.4	ug/kg	J	J	12L

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0417	LDW23-SS1084	23A0417-09	EPA 8270E	Fluoranthene	91.5	ug/kg		J	5BL
23A0417	LDW23-SS1084	23A0417-09	EPA 8270E	Phenol	128	ug/kg	Q	J	5BL
23A0417	LDW23-SS1084	23A0417-09	EPA 8270E	Pyrene	100	ug/kg		J	5BL
23A0417	LDW23-SS1084	23A0417-09	EPA 8270E-SIM	Benzoic acid	45.7	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1084	23A0417-09	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1084	23A0417-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1084	23A0417-09	EPA 9060	Total Organic carbon (TOC)	2.15	%		J	8H,9
23A0417	LDW23-SS1083	23A0417-10	EPA 6020	Copper	57.3	mg/kg	B	J	9
23A0417	LDW23-SS1083	23A0417-10	EPA 6020	Lead	23.9	mg/kg		J	9
23A0417	LDW23-SS1083	23A0417-10	EPA 7471B	Mercury	0.135	mg/kg		J	8L,9
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E	4-Methylphenol	10.7	ug/kg	J	J	5BL
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E	Bis(2-ethylhexyl)phthalate	24.2	ug/kg	J	J	12L
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E	Fluoranthene	41.9	ug/kg		J	5BL
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E	Phenol	24.2	ug/kg	Q	J	5BL
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E	Pyrene	45.1	ug/kg		J	5BL
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E-SIM	1,2-Dichlorobenzene	3.2	ug/kg	J	J	13H
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E-SIM	1,4-Dichlorobenzene	3.2	ug/kg	J	J	13H
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1083	23A0417-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1083	23A0417-10	EPA 9060	Total Organic carbon (TOC)	2.46	%		J	8H,9
23A0417	LDW23-SS1082	23A0417-11	EPA 6020	Copper	45.6	mg/kg	B	J	9
23A0417	LDW23-SS1082	23A0417-11	EPA 6020	Lead	19.2	mg/kg		J	9
23A0417	LDW23-SS1082	23A0417-11	EPA 7471B	Mercury	0.119	mg/kg		J	8L,9
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E	4-Methylphenol	20.7	ug/kg	Q	J	5BL
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E	Bis(2-ethylhexyl)phthalate	38	ug/kg	J	J	12L
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E	Fluoranthene	81.9	ug/kg		J	5BL
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E	Phenol	59	ug/kg	Q	J	5BL
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E	Pyrene	83	ug/kg		J	5BL
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E-SIM	1,4-Dichlorobenzene	1	ug/kg	J	J	13H
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E-SIM	Benzoic acid	27.1	ug/kg	J	J	5BL,5CL

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1082	23A0417-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1082	23A0417-11	EPA 9060	Total Organic carbon (TOC)	2.03	%		J	8H,9
23A0417	LDW23-SS1081	23A0417-12	EPA 6020	Copper	31.4	mg/kg	B	J	9
23A0417	LDW23-SS1081	23A0417-12	EPA 6020	Lead	26.4	mg/kg		J	9
23A0417	LDW23-SS1081	23A0417-12	EPA 7471B	Mercury	0.0943	mg/kg		J	8L,9
23A0417	LDW23-SS1081	23A0417-12	EPA 8270E	4-Methylphenol	13.7	ug/kg	J	J	5BL
23A0417	LDW23-SS1081	23A0417-12	EPA 8270E	Bis(2-ethylhexyl)phthalate	25.9	ug/kg	J	J	12L
23A0417	LDW23-SS1081	23A0417-12	EPA 8270E	Fluoranthene	49.8	ug/kg		J	5BL
23A0417	LDW23-SS1081	23A0417-12	EPA 8270E	Phenol	72.1	ug/kg	Q	J	5BL
23A0417	LDW23-SS1081	23A0417-12	EPA 8270E	Pyrene	59.3	ug/kg		J	5BL
23A0417	LDW23-SS1081	23A0417-12	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0417	LDW23-SS1081	23A0417-12	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1081	23A0417-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1081	23A0417-12	EPA 9060	Total Organic carbon (TOC)	2.04	%		J	8H,9
23A0417	LDW23-SS1076	23A0417-13	EPA 6020	Copper	64	mg/kg	B	J	9
23A0417	LDW23-SS1076	23A0417-13	EPA 6020	Lead	23.4	mg/kg		J	9
23A0417	LDW23-SS1076	23A0417-13	EPA 7471B	Mercury	0.115	mg/kg		J	8L,9
23A0417	LDW23-SS1076	23A0417-13	EPA 8270E	4-Methylphenol	54.7	ug/kg	Q	J	5BL
23A0417	LDW23-SS1076	23A0417-13	EPA 8270E	Bis(2-ethylhexyl)phthalate	42.7	ug/kg	J	J	12L
23A0417	LDW23-SS1076	23A0417-13	EPA 8270E	Fluoranthene	138	ug/kg		J	5BL
23A0417	LDW23-SS1076	23A0417-13	EPA 8270E	Phenol	289	ug/kg	Q	J	5BL
23A0417	LDW23-SS1076	23A0417-13	EPA 8270E	Pyrene	153	ug/kg		J	5BL
23A0417	LDW23-SS1076	23A0417-13	EPA 8270E-SIM	Benzoic acid	22.1	ug/kg	J	J	5BL,5CL
23A0417	LDW23-SS1076	23A0417-13	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1076	23A0417-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1076	23A0417-13	EPA 9060	Total Organic carbon (TOC)	1.9	%		J	8H,9
23A0417	LDW23-SS1074	23A0417-14	EPA 6020	Copper	48.5	mg/kg	B	J	9
23A0417	LDW23-SS1074	23A0417-14	EPA 6020	Lead	21.1	mg/kg		J	9
23A0417	LDW23-SS1074	23A0417-14	EPA 7471B	Mercury	0.216	mg/kg		J	8L,9
23A0417	LDW23-SS1074	23A0417-14	EPA 8270E	Benzo(g,h,i)perylene	18.8	ug/kg	J	J	5BL

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0417	LDW23-SS1074	23A0417-14	EPA 8270E	Bis(2-ethylhexyl)phthalate	23.7	ug/kg	J	J	12L
23A0417	LDW23-SS1074	23A0417-14	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1074	23A0417-14	EPA 8270E	Fluoranthene	107	ug/kg		J	5BH
23A0417	LDW23-SS1074	23A0417-14	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0417	LDW23-SS1074	23A0417-14	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1074	23A0417-14	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1074	23A0417-14	EPA 9060	Total Organic carbon (TOC)	2.14	%		J	8H,9
23A0417	LDW23-SS1073	23A0417-15	EPA 6020	Copper	32.8	mg/kg	B	J	9
23A0417	LDW23-SS1073	23A0417-15	EPA 6020	Lead	21.2	mg/kg		J	9
23A0417	LDW23-SS1073	23A0417-15	EPA 7471B	Mercury	0.061	mg/kg		J	8L,9
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E	Benzo(g,h,i)perylene	51.6	ug/kg	Q	J	5BL
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E	Bis(2-ethylhexyl)phthalate	29.5	ug/kg	J	J	12L
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E	Chrysene	86	ug/kg		J	9
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E	Fluoranthene	210	ug/kg		J	5BH,9
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E	Phenanthrene	84.7	ug/kg		J	9
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E	Pyrene	215	ug/kg		J	9
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E-SIM	2,4-Dimethylphenol	4.2	ug/kg	J	J	9
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1073	23A0417-15	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0417	LDW23-SS1073	23A0417-15	EPA 9060	Total Organic carbon (TOC)	0.7	%		J	8H,9
23A0417	LDW23-SS1127DUP1	BLA0526-DUP1	EPA 9060	Total Organic carbon (TOC)	1.09	%	*	J	8H,9
23A0417	LDW23-SS1127DUP1	BLB0228-DUP1	EPA 1613B	1,2,3,4,6,7,8-HpCDF	43.2	ng/kg	B	J	5BL
23A0417	LDW23-SS1127DUP1	BLB0228-DUP1	EPA 1613B	1,2,3,4,7,8-HxCDF	7.39	ng/kg		J	5BL
23A0417	LDW23-SS1127DUP1	BLB0228-DUP1	EPA 1613B	1,2,3,7,8,9-HxCDF	1.85	ng/kg		J	5BL
23A0417	LDW23-SS1127DUP1	BLB0228-DUP1	EPA 1613B	1,2,3,7,8-PeCDF	0.695	ng/kg	EMPC J	U	25
23A0417	LDW23-SS1127DUP1	BLB0228-DUP1	EPA 1613B	2,3,4,6,7,8-HxCDF	1.58	ng/kg	* EMPC	J	25
23A0417	LDW23-SS1127DUP1	BLB0228-DUP1	EPA 1613B	2,3,7,8-TCDD	0.571	ng/kg	* EMPC J	U	25
23A0417	LDW23-SS1127DUP1	BLB0228-DUP1	EPA 1613B	2,3,7,8-TCDF	0.792	ng/kg	X J	J	23H
23A0417	LDW23-SS1127DUP1	BLB0228-DUP1	EPA 1613B	Total TCDF	13.1	ng/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0417	LDW23-SS1127DUP1	BLD0396-DUP1	EPA 6020	Copper	70.4	mg/kg	* B	J	9
23A0417	LDW23-SS1127DUP1	BLD0396-DUP1	EPA 6020	Lead	33.3	mg/kg	*	J	9
23A0417	LDW23-SS1127DUP1	BLD0397-DUP1	EPA 7471B	Mercury	0.0898	mg/kg	*	J	8L,9
23A0418	LDW23-IT1136	23A0418-01	EPA 1613B	1,2,3,4,6,7,8-HpCDF	1.32	ng/kg	EMPC B	J	5BL,25
23A0418	LDW23-IT1136	23A0418-01	EPA 1613B	1,2,3,4,7,8-HxCDF	0.234	ng/kg	J	J	5BL
23A0418	LDW23-IT1136	23A0418-01	EPA 1613B	1,2,3,6,7,8-HxCDD	0.332	ng/kg	EMPC J	U	25
23A0418	LDW23-IT1136	23A0418-01	EPA 1613B	1,2,3,6,7,8-HxCDF	0.093	ng/kg	EMPC J	U	25
23A0418	LDW23-IT1136	23A0418-01	EPA 1613B	1,2,3,7,8,9-HxCDF		ng/kg	U	UJ	5BL
23A0418	LDW23-IT1136	23A0418-01	EPA 9060	Total Organic carbon (TOC)	0.11	%		J	8H,9
23A0418	LDW23-IT1142	23A0418-02	EPA 1613B	1,2,3,4,6,7,8-HpCDF	16.8	ng/kg	B	J	5BL
23A0418	LDW23-IT1142	23A0418-02	EPA 1613B	1,2,3,4,7,8-HxCDF	1.75	ng/kg		J	5BL
23A0418	LDW23-IT1142	23A0418-02	EPA 1613B	1,2,3,6,7,8-HxCDF	0.915	ng/kg	EMPC J	U	25
23A0418	LDW23-IT1142	23A0418-02	EPA 1613B	1,2,3,7,8,9-HxCDF	0.405	ng/kg	EMPC J	UJ	5BL,25
23A0418	LDW23-IT1142	23A0418-02	EPA 1613B	2,3,7,8-TCDD	0.318	ng/kg	EMPC J	U	25
23A0418	LDW23-IT1142	23A0418-02	EPA 9060	Total Organic carbon (TOC)	0.19	%		J	8H,9
23A0418	LDW23-SC1122	23A0418-03	EPA 9060	Total Organic carbon (TOC)	2.26	%		J	8H,9
23A0418	LDW23-IT1141	23A0418-04	EPA 9060	Total Organic carbon (TOC)	0.91	%		J	8H,9
23A0418	LDW23-IT1133	23A0418-05	EPA 9060	Total Organic carbon (TOC)	0.43	%		J	8H,9
23A0418	LDW23-IT1135	23A0418-10	EPA 1613B	1,2,3,4,6,7,8-HpCDF	0.871	ng/kg	J B	J	5BL
23A0418	LDW23-IT1135	23A0418-10	EPA 1613B	1,2,3,4,7,8-HxCDD	0.096	ng/kg	EMPC J	U	25
23A0418	LDW23-IT1135	23A0418-10	EPA 1613B	1,2,3,4,7,8-HxCDF	0.123	ng/kg	EMPC J	UJ	5BL,25
23A0418	LDW23-IT1135	23A0418-10	EPA 1613B	1,2,3,7,8,9-HxCDD	0.335	ng/kg	EMPC J	U	25
23A0418	LDW23-IT1135	23A0418-10	EPA 1613B	1,2,3,7,8,9-HxCDF		ng/kg	U	UJ	5BL
23A0419	LDW23-SS1218	23A0419-01	EPA 6020	Chromium	15.5	mg/kg		J	9
23A0419	LDW23-SS1218	23A0419-01	EPA 6020	Copper	52.3	mg/kg	B	J	9
23A0419	LDW23-SS1218	23A0419-01	EPA 6020	Lead	26.5	mg/kg		J	8H
23A0419	LDW23-SS1218	23A0419-01	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,8L,10L
23A0419	LDW23-SS1218	23A0419-01	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1218	23A0419-01	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL,8L
23A0419	LDW23-SS1218	23A0419-01	EPA 8270E	Phenol		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1218	23A0419-01	EPA 8270E	Total benzofluoranthenes	159	ug/kg		J	5BH

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0419	LDW23-SS1218	23A0419-01	EPA 8270E-SIM	Benzoic acid	26	ug/kg	J	J	5A,5BL,5CL
23A0419	LDW23-SS1218	23A0419-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	1,2,3,4,6,7,8-HpCDF	35.4	ng/kg	B	J	5BL
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	1,2,3,4,7,8-HxCDF	4.6	ng/kg		J	5BL
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	1,2,3,6,7,8-HxCDF	1.57	ng/kg	EMPC	J	25
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	1,2,3,7,8,9-HxCDF	1.02	ng/kg	EMPC	J	5BL,25
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	1,2,3,7,8-PeCDD	1.52	ng/kg	EMPC	J	25
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	1,2,3,7,8-PeCDF	0.792	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	2,3,4,7,8-PeCDF	1.23	ng/kg	EMPC	J	25
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	2,3,7,8-TCDD	0.398	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1045	23A0419-02	EPA 1613B	2,3,7,8-TCDF	0.789	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1045	23A0419-02	EPA 6020	Chromium	27.3	mg/kg	D	J	9
23A0419	LDW23-SS1045	23A0419-02	EPA 6020	Copper	60.6	mg/kg	B	J	9
23A0419	LDW23-SS1045	23A0419-02	EPA 6020	Lead	27.2	mg/kg		J	8H
23A0419	LDW23-SS1045	23A0419-02	EPA 8270E	Benzo(g,h,i)perylene	16.1	ug/kg	J	J	5BL,10L
23A0419	LDW23-SS1045	23A0419-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1045	23A0419-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	14.9	ug/kg	J	J	5BL
23A0419	LDW23-SS1045	23A0419-02	EPA 8270E	Naphthalene	14.3	ug/kg	J	J	5BH
23A0419	LDW23-SS1045	23A0419-02	EPA 8270E	Phenol	320	ug/kg		J	5BL
23A0419	LDW23-SS1045	23A0419-02	EPA 8270E	Total benzofluoranthenes	260	ug/kg		J	5BH
23A0419	LDW23-SS1045	23A0419-02	EPA 8270E-SIM	Benzoic acid	126	ug/kg		J	5A,5BL,5CL
23A0419	LDW23-SS1045	23A0419-02	EPA 8270E-SIM	Pentachlorophenol	3	ug/kg	J	UJ	5BL,5CL,7
23A0419	LDW23-SS1133	23A0419-03	EPA 6020	Chromium	23.3	mg/kg	D	J	9
23A0419	LDW23-SS1133	23A0419-03	EPA 6020	Copper	65.7	mg/kg	B	J	9
23A0419	LDW23-SS1133	23A0419-03	EPA 6020	Lead	19.7	mg/kg		J	8H
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E	Benzo(g,h,i)perylene	39.8	ug/kg	Q	J	5BL,10L
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	45.9	ug/kg	Q	J	5BL
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E	Naphthalene	14.5	ug/kg	J	J	5BH
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E	Phenol	389	ug/kg		J	5BL
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E	Total benzofluoranthenes	845	ug/kg		J	5BH

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E-SIM	Benzoic acid	88.3	ug/kg	J	J	5A,5BL,5CL
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E-SIM	Benzyl alcohol	28.4	ug/kg		U	7
23A0419	LDW23-SS1133	23A0419-03	EPA 8270E-SIM	Pentachlorophenol	8	ug/kg	J	UJ	5BL,5CL,7
23A0419	LDW23-SS1135	23A0419-04	EPA 1613B	1,2,3,4,6,7,8-HpCDF	9.44	ng/kg	B	J	5BL
23A0419	LDW23-SS1135	23A0419-04	EPA 1613B	1,2,3,4,7,8,9-HpCDF	0.712	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1135	23A0419-04	EPA 1613B	1,2,3,4,7,8-HxCDD	0.707	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1135	23A0419-04	EPA 1613B	1,2,3,4,7,8-HxCDF	1.01	ng/kg		J	5BL
23A0419	LDW23-SS1135	23A0419-04	EPA 1613B	1,2,3,7,8,9-HxCDF	0.178	ng/kg	EMPC J	UJ	5BL,25
23A0419	LDW23-SS1135	23A0419-04	EPA 1613B	2,3,4,6,7,8-HxCDF	0.608	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1135	23A0419-04	EPA 1613B	2,3,4,7,8-PeCDF	0.323	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1135	23A0419-04	EPA 1613B	2,3,7,8-TCDD	0.355	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1135	23A0419-04	EPA 6020	Chromium	15.7	mg/kg		J	9
23A0419	LDW23-SS1135	23A0419-04	EPA 6020	Copper	53.5	mg/kg	B	J	9
23A0419	LDW23-SS1135	23A0419-04	EPA 6020	Lead	19.3	mg/kg		J	8H
23A0419	LDW23-SS1135	23A0419-04	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,10L
23A0419	LDW23-SS1135	23A0419-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1135	23A0419-04	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1135	23A0419-04	EPA 8270E	Phenol		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1135	23A0419-04	EPA 8270E	Total benzofluoranthenes	22.2	ug/kg	J	J	5BH
23A0419	LDW23-SS1135	23A0419-04	EPA 8270E-SIM	Benzoic acid	39.2	ug/kg	J	J	5A,5BL,5CL
23A0419	LDW23-SS1135	23A0419-04	EPA 8270E-SIM	Benzyl alcohol	9.7	ug/kg	J	U	7
23A0419	LDW23-SS1135	23A0419-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1136	23A0419-05	EPA 1613B	1,2,3,4,6,7,8-HpCDF	34.5	ng/kg	B	J	5BL
23A0419	LDW23-SS1136	23A0419-05	EPA 1613B	1,2,3,4,7,8-HxCDF	2.18	ng/kg		J	5BL
23A0419	LDW23-SS1136	23A0419-05	EPA 1613B	1,2,3,7,8,9-HxCDF	0.522	ng/kg	EMPC J	UJ	5BL,25
23A0419	LDW23-SS1136	23A0419-05	EPA 1613B	2,3,4,7,8-PeCDF	0.785	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1136	23A0419-05	EPA 6020	Chromium	14.2	mg/kg		J	9
23A0419	LDW23-SS1136	23A0419-05	EPA 6020	Copper	30.8	mg/kg	B	J	9
23A0419	LDW23-SS1136	23A0419-05	EPA 6020	Lead	23.2	mg/kg		J	8H
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E	Benzo(a)pyrene	28.8	ug/kg		DNR	19
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,10L

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E	Naphthalene	4.6	ug/kg	J	J	5BH
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E	Total benzofluoranthenes	92.8	ug/kg		DNR	19
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E-SIM	Benzoic acid	50.2	ug/kg	J	J	5A,5BL,5CL
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E-SIM	Benzyl alcohol	13.3	ug/kg	J	U	7
23A0419	LDW23-SS1136	23A0419-05	EPA 8270E-SIM	Pentachlorophenol	2.2	ug/kg	J	UJ	5BL,5CL,7
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	4-Methylphenol	195	ug/kg	D	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Benzo(a)anthracene	26.1	ug/kg	J D	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	24.5	ug/kg	J D	DNR	19
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Chrysene	41	ug/kg	J D	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Fluoranthene	57.8	ug/kg	J D	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Phenanthrene		ug/kg	U	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Phenol	47.1	ug/kg	J D	DNR	11
23A0419	LDW23-SS1136	23A0419-05RE1	EPA 8270E	Pyrene	51.1	ug/kg	J D	DNR	11
23A0419	LDW23-SS1140	23A0419-06	EPA 6020	Chromium	13.6	mg/kg		J	9
23A0419	LDW23-SS1140	23A0419-06	EPA 6020	Copper	24	mg/kg	B	J	9
23A0419	LDW23-SS1140	23A0419-06	EPA 6020	Lead	19.5	mg/kg		J	8H
23A0419	LDW23-SS1140	23A0419-06	EPA 8270E	Benzo(a)pyrene	34.3	ug/kg		DNR	19

Qualified Data Summary Table
LDW AOC5 MR Phase 1

SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0419	LDW23-SS1140	23A0419-06	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,10L
23A0419	LDW23-SS1140	23A0419-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1140	23A0419-06	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1140	23A0419-06	EPA 8270E	Total benzofluoranthenes	93	ug/kg		DNR	19
23A0419	LDW23-SS1140	23A0419-06	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1140	23A0419-06	EPA 8270E-SIM	Benzyl alcohol	9.4	ug/kg	J	U	7
23A0419	LDW23-SS1140	23A0419-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Benzo(a)anthracene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Chrysene	40.9	ug/kg	J D	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Fluoranthene	29.4	ug/kg	J D	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Phenanthrene		ug/kg	U	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Phenol	17.6	ug/kg	J D	DNR	11
23A0419	LDW23-SS1140	23A0419-06RE1	EPA 8270E	Pyrene	28.2	ug/kg	J D	DNR	11
23A0419	LDW23-SS1141	23A0419-07	EPA 6020	Chromium	21.6	mg/kg		J	9
23A0419	LDW23-SS1141	23A0419-07	EPA 6020	Copper	46.5	mg/kg	B	J	9
23A0419	LDW23-SS1141	23A0419-07	EPA 6020	Lead	22.5	mg/kg		J	8H
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E	Benzo(a)pyrene	284	ug/kg		DNR	19

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E	Benzo(g,h,i)perylene	41.7	ug/kg	Q	DNR	19
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	49.9	ug/kg	Q	DNR	19
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E	Naphthalene	17.2	ug/kg	J	J	5BH
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E	Total benzofluoranthenes	895	ug/kg		DNR	19
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E-SIM	Benzoic acid	93	ug/kg	J	J	5A,5BL,5CL
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E-SIM	Benzyl alcohol	21	ug/kg		U	7
23A0419	LDW23-SS1141	23A0419-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	4-Methylphenol	88.3	ug/kg	D	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Anthracene	65.2	ug/kg	J D	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Benzo(a)anthracene	286	ug/kg	D	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Benzo(g,h,i)perylene	62.1	ug/kg	J D	J	5BL,10L
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	36.6	ug/kg	J D	DNR	19
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Chrysene	372	ug/kg	D	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Fluoranthene	696	ug/kg	D	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	66.4	ug/kg	J D	J	5BL
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Phenanthrene	188	ug/kg	D	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Phenol	193	ug/kg	D	DNR	11
23A0419	LDW23-SS1141	23A0419-07RE1	EPA 8270E	Pyrene	605	ug/kg	D	DNR	11
23A0419	LDW23-SS1142	23A0419-08	EPA 1613B	1,2,3,4,6,7,8-HpCDF	24	ng/kg	B	J	5BL
23A0419	LDW23-SS1142	23A0419-08	EPA 1613B	1,2,3,4,7,8,9-HpCDF	1.63	ng/kg	EMPC	J	25
23A0419	LDW23-SS1142	23A0419-08	EPA 1613B	1,2,3,4,7,8-HxCDD	2.38	ng/kg	EMPC	J	25

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0419	LDW23-SS1142	23A0419-08	EPA 1613B	1,2,3,4,7,8-HxCDF	2.49	ng/kg		J	5BL
23A0419	LDW23-SS1142	23A0419-08	EPA 1613B	1,2,3,7,8,9-HxCDF	0.982	ng/kg	J	J	5BL
23A0419	LDW23-SS1142	23A0419-08	EPA 1613B	1,2,3,7,8-PeCDF	0.743	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1142	23A0419-08	EPA 6020	Chromium	20.1	mg/kg	D	J	9
23A0419	LDW23-SS1142	23A0419-08	EPA 6020	Copper	40.6	mg/kg	B	J	9
23A0419	LDW23-SS1142	23A0419-08	EPA 6020	Lead	27.6	mg/kg		J	8H
23A0419	LDW23-SS1142	23A0419-08	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,10L
23A0419	LDW23-SS1142	23A0419-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1142	23A0419-08	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1142	23A0419-08	EPA 8270E	Total benzofluoranthenes	124	ug/kg		J	5BH
23A0419	LDW23-SS1142	23A0419-08	EPA 8270E-SIM	Benzoic acid	25.5	ug/kg	J	J	5A,5BL,5CL
23A0419	LDW23-SS1142	23A0419-08	EPA 8270E-SIM	Benzyl alcohol	11.6	ug/kg	J	U	7
23A0419	LDW23-SS1142	23A0419-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1202	23A0419-09	EPA 1613B	1,2,3,4,6,7,8-HpCDF	51.3	ng/kg	B	J	5BL
23A0419	LDW23-SS1202	23A0419-09	EPA 1613B	1,2,3,4,7,8,9-HpCDF	3	ng/kg	EMPC	J	25
23A0419	LDW23-SS1202	23A0419-09	EPA 1613B	1,2,3,4,7,8-HxCDF	4.8	ng/kg		J	5BL
23A0419	LDW23-SS1202	23A0419-09	EPA 1613B	1,2,3,7,8,9-HxCDD	10.1	ng/kg	EMPC	J	25
23A0419	LDW23-SS1202	23A0419-09	EPA 1613B	1,2,3,7,8,9-HxCDF	1.49	ng/kg		J	5BL
23A0419	LDW23-SS1202	23A0419-09	EPA 1613B	2,3,7,8-TCDD	0.478	ng/kg	EMPC J	U	25
23A0419	LDW23-SS1202	23A0419-09	EPA 1613B	2,3,7,8-TCDF	1.52	ng/kg	EMPC X	J	23H,25
23A0419	LDW23-SS1202	23A0419-09	EPA 6020	Chromium	27.6	mg/kg		J	9
23A0419	LDW23-SS1202	23A0419-09	EPA 6020	Copper	48.9	mg/kg	B	J	9
23A0419	LDW23-SS1202	23A0419-09	EPA 6020	Lead	32.1	mg/kg		J	8H
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E	Benzo(g,h,i)perylene	199	ug/kg	Q	J	5BL,10L
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E	Bis(2-ethylhexyl)phthalate	96.7	ug/kg		J	19
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E	Dibenzo(a,h)anthracene	78	ug/kg	Q	J	5BL
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E	Fluoranthene	2660	ug/kg	E	DNR	20
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	210	ug/kg	Q	J	5BL
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E	Naphthalene	124	ug/kg		J	5BH
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E	Pyrene	2220	ug/kg	E	DNR	20
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E	Total benzofluoranthenes	3780	ug/kg		J	5BH

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E-SIM	Benzoic acid	47.2	ug/kg	J	J	5A,5BL,5CL
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E-SIM	Benzyl alcohol	17.2	ug/kg	J	U	7
23A0419	LDW23-SS1202	23A0419-09	EPA 8270E-SIM	Pentachlorophenol	3	ug/kg	J	UJ	5BL,5CL,7
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	2-Methylnaphthalene	32.8	ug/kg	J D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	4-Methylphenol	281	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Acenaphthene	206	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Anthracene	281	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Benzo(a)anthracene	1160	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Benzo(a)pyrene	1340	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Benzo(g,h,i)perylene	229	ug/kg	Q D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	86.5	ug/kg	J D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Chrysene	1630	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Dibenzo(a,h)anthracene	83.1	ug/kg	Q D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Dibenzofuran	116	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Fluorene	174	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	246	ug/kg	Q D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Naphthalene	130	ug/kg	Q D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Phenanthrene	1510	ug/kg	D	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
23A0419	LDW23-SS1202	23A0419-09RE1	EPA 8270E	Total benzofluoranthenes	3210	ug/kg	D	DNR	11
23A0419	LDW23-SS1041	23A0419-10	EPA 6020	Chromium	12.9	mg/kg		J	9
23A0419	LDW23-SS1041	23A0419-10	EPA 6020	Copper	21.9	mg/kg	B	J	9
23A0419	LDW23-SS1041	23A0419-10	EPA 6020	Lead	18.7	mg/kg		J	8H
23A0419	LDW23-SS1041	23A0419-10	EPA 8270E	Benzo(g,h,i)perylene	19.1	ug/kg	J	J	5BL,10L
23A0419	LDW23-SS1041	23A0419-10	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1041	23A0419-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	22.4	ug/kg	Q	J	5BL
23A0419	LDW23-SS1041	23A0419-10	EPA 8270E	Naphthalene	12	ug/kg	J	J	5BH
23A0419	LDW23-SS1041	23A0419-10	EPA 8270E	Total benzofluoranthenes	283	ug/kg		J	5BH

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0419	LDW23-SS1041	23A0419-10	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1041	23A0419-10	EPA 8270E-SIM	Benzyl alcohol	9.6	ug/kg	J	U	7
23A0419	LDW23-SS1041	23A0419-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1038	23A0419-11	EPA 6020	Chromium	23.6	mg/kg		J	9
23A0419	LDW23-SS1038	23A0419-11	EPA 6020	Copper	48.5	mg/kg	B	J	9
23A0419	LDW23-SS1038	23A0419-11	EPA 6020	Lead	21.1	mg/kg		J	8H
23A0419	LDW23-SS1038	23A0419-11	EPA 8270E	Benzo(g,h,i)perylene	15.1	ug/kg	J	J	5BL,10L
23A0419	LDW23-SS1038	23A0419-11	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1038	23A0419-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	16.7	ug/kg	J	J	5BL
23A0419	LDW23-SS1038	23A0419-11	EPA 8270E	Naphthalene	19	ug/kg	J	J	5BH
23A0419	LDW23-SS1038	23A0419-11	EPA 8270E	Total benzofluoranthenes	282	ug/kg		J	5BH
23A0419	LDW23-SS1038	23A0419-11	EPA 8270E-SIM	Benzoic acid	61.1	ug/kg	J	J	5A,5BL,5CL
23A0419	LDW23-SS1038	23A0419-11	EPA 8270E-SIM	Benzyl alcohol	37	ug/kg		U	7
23A0419	LDW23-SS1038	23A0419-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,5CL
23A0419	LDW23-SS1030	23A0419-12	EPA 6020	Chromium	31	mg/kg		J	9
23A0419	LDW23-SS1030	23A0419-12	EPA 6020	Copper	79.5	mg/kg	B	J	9
23A0419	LDW23-SS1030	23A0419-12	EPA 6020	Lead	39.2	mg/kg		J	8H
23A0419	LDW23-SS1030	23A0419-12	EPA 8270E	Benzo(g,h,i)perylene	22.6	ug/kg	Q	J	5BL,10L
23A0419	LDW23-SS1030	23A0419-12	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0419	LDW23-SS1030	23A0419-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	20.4	ug/kg	Q	J	5BL
23A0419	LDW23-SS1030	23A0419-12	EPA 8270E	Naphthalene	19.8	ug/kg	J	J	5BH
23A0419	LDW23-SS1030	23A0419-12	EPA 8270E	Total benzofluoranthenes	400	ug/kg		J	5BH
23A0419	LDW23-SS1030	23A0419-12	EPA 8270E-SIM	Benzoic acid	128	ug/kg	Q	J	5A,5BL,5CL
23A0419	LDW23-SS1030	23A0419-12	EPA 8270E-SIM	Benzyl alcohol	51	ug/kg		U	7
23A0419	LDW23-SS1030	23A0419-12	EPA 8270E-SIM	Pentachlorophenol	3.1	ug/kg	J	UJ	5BL,5CL,7
23A0419	LDW23-SS1218DUP1	BLD0452-DUP1	EPA 6020	Chromium	34.4	mg/kg	*	J	9
23A0419	LDW23-SS1218DUP1	BLD0452-DUP1	EPA 6020	Copper	66	mg/kg	* B	J	9
23A0419	LDW23-SS1218DUP1	BLD0452-DUP1	EPA 6020	Lead	25.6	mg/kg		J	8H
23A0420	LDW23-SC1045	23A0420-01	EPA 1613B	1,2,3,4,6,7,8-HpCDF	24.2	ng/kg	B	J	5BL
23A0420	LDW23-SC1045	23A0420-01	EPA 1613B	1,2,3,4,7,8-HxCDF	3.02	ng/kg		J	5BL
23A0420	LDW23-SC1045	23A0420-01	EPA 1613B	1,2,3,7,8,9-HxCDF	0.788	ng/kg	J	J	5BL

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0420	LDW23-SC1045	23A0420-01	EPA 1613B	1,2,3,7,8-PeCDF	0.423	ng/kg	EMPC J	U	25
23A0420	LDW23-SC1045	23A0420-01	EPA 1613B	2,3,7,8-TCDD	0.295	ng/kg	EMPC J	U	25
23A0420	LDW23-SC1045	23A0420-01	EPA 6020	Copper	52.2	mg/kg	B	J	9
23A0420	LDW23-SC1045	23A0420-01	EPA 6020	Lead	22.6	mg/kg		J	9
23A0420	LDW23-SC1045	23A0420-01	EPA 7471B	Mercury	0.134	mg/kg		J	8L,9
23A0420	LDW23-SC1045	23A0420-01	EPA 8270E	2-Methylnaphthalene	12.9	ug/kg	J	U	7
23A0420	LDW23-SC1045	23A0420-01	EPA 8270E	4-Methylphenol	58.2	ug/kg		J	9
23A0420	LDW23-SC1045	23A0420-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	43.3	ug/kg	J	J	10L,12L
23A0420	LDW23-SC1045	23A0420-01	EPA 8270E	Naphthalene	16.2	ug/kg	J B	U	7
23A0420	LDW23-SC1045	23A0420-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.6	ug/kg	J	U	7
23A0420	LDW23-SC1045	23A0420-01	EPA 8270E-SIM	2,4-Dimethylphenol	4.1	ug/kg	J	J	9
23A0420	LDW23-SC1045	23A0420-01	EPA 8270E-SIM	Benzoic acid	120	ug/kg	Q	J	5BL,5CL,9
23A0420	LDW23-SC1045	23A0420-01	EPA 8270E-SIM	Pentachlorophenol	5.6	ug/kg	J	J	5BL
23A0420	LDW23-IT1051	23A0420-04	EPA 1613B	1,2,3,4,6,7,8-HpCDF	29.8	ng/kg	B	J	5BL
23A0420	LDW23-IT1051	23A0420-04	EPA 1613B	1,2,3,4,7,8-HxCDF	2.75	ng/kg		J	5BL
23A0420	LDW23-IT1051	23A0420-04	EPA 1613B	1,2,3,7,8,9-HxCDF	1.33	ng/kg		J	5BL
23A0420	LDW23-IT1051	23A0420-04	EPA 1613B	2,3,7,8-TCDD	0.411	ng/kg	EMPC J	U	25
23A0420	LDW23-IT1051	23A0420-04	EPA 1613B	2,3,7,8-TCDF	0.867	ng/kg	EMPC J	U	25
23A0420	LDW23-SC1003	23A0420-07	EPA 6020	Copper	75	mg/kg	B	J	9
23A0420	LDW23-SC1003	23A0420-07	EPA 6020	Lead	38.1	mg/kg		J	9
23A0420	LDW23-SC1003	23A0420-07	EPA 7471B	Mercury	0.229	mg/kg		J	8L,9
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E	2-Methylnaphthalene	17	ug/kg	J	U	7
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E	4-Methylphenol	92	ug/kg		J	9
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E	Bis(2-ethylhexyl)phthalate	77.1	ug/kg		J	10L,12L
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E	Naphthalene	23.3	ug/kg	B	U	7
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E-SIM	1,2-Dichlorobenzene	1	ug/kg	J	U	7
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E-SIM	1,4-Dichlorobenzene	2.6	ug/kg	J	U	7
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	9
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E-SIM	Benzoic acid	110	ug/kg	Q	J	5BL,5CL,9
23A0420	LDW23-SC1003	23A0420-07	EPA 8270E-SIM	Pentachlorophenol	4.5	ug/kg	J	J	5BL
23A0420	LDW23-SC1004	23A0420-08	EPA 1613B	1,2,3,4,7,8-HxCDF	5.27	ng/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0420	LDW23-SC1004	23A0420-08	EPA 1613B	1,2,3,7,8-PeCDF	0.768	ng/kg	EMPC J	U	25
23A0420	LDW23-SC1004	23A0420-08	EPA 1613B	2,3,4,7,8-PeCDF	1.19	ng/kg	EMPC	J	25
23A0420	LDW23-SC1004	23A0420-08	EPA 1613B	2,3,7,8-TCDF	0.663	ng/kg	EMPC X J	UJ	23,25
23A0420	LDW23-SC1004	23A0420-08	EPA 6020	Copper	54.6	mg/kg	B	J	9
23A0420	LDW23-SC1004	23A0420-08	EPA 6020	Lead	25.1	mg/kg		J	9
23A0420	LDW23-SC1004	23A0420-08	EPA 7471B	Mercury	0.144	mg/kg		J	8L,9
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E	2-Methylnaphthalene	11.3	ug/kg	J	U	7
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E	4-Methylphenol	91.9	ug/kg		J	9
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E	Bis(2-ethylhexyl)phthalate	83.8	ug/kg		J	8L,10L,12L
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E	Naphthalene	14.7	ug/kg	J B	U	7
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E-SIM	1,2-Dichlorobenzene	1.6	ug/kg	J	U	7
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E-SIM	1,4-Dichlorobenzene	2.7	ug/kg	J	U	7
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E-SIM	2,4-Dimethylphenol	2.3	ug/kg	J	J	9
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E-SIM	Benzoic acid	48.4	ug/kg	J	J	5BL,5CL,9
23A0420	LDW23-SC1004	23A0420-08	EPA 8270E-SIM	Pentachlorophenol	2.4	ug/kg	J	J	5BL,8H
23A0420	LDW23-SC1082	23A0420-09	EPA 6020	Copper	42.9	mg/kg	B	J	9
23A0420	LDW23-SC1082	23A0420-09	EPA 6020	Lead	80.8	mg/kg		J	9
23A0420	LDW23-SC1082	23A0420-09	EPA 7471B	Mercury	3.4	mg/kg	D	J	8L,9
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E	2-Methylnaphthalene	24	ug/kg		U	7
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E	4-Methylphenol	58.4	ug/kg		J	9
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E	Bis(2-ethylhexyl)phthalate	46.3	ug/kg	J	J	10L,12L
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E	Naphthalene	42.1	ug/kg	B	U	7
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E-SIM	1,2,4-Trichlorobenzene	3.4	ug/kg	J	J	13H
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E-SIM	1,2-Dichlorobenzene	3.1	ug/kg	J	U	7
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E-SIM	1,4-Dichlorobenzene	6.2	ug/kg		J	13H
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E-SIM	2,4-Dimethylphenol	9.2	ug/kg	J	J	9
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E-SIM	Benzoic acid	56.1	ug/kg	J	J	5BL,5CL,9
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E-SIM	n-Nitrosodiphenylamine	20	ug/kg		J	13H
23A0420	LDW23-SC1082	23A0420-09	EPA 8270E-SIM	Pentachlorophenol	7.8	ug/kg	J	J	5BL
23A0455	LDW23-SS1029	23A0455-01	EPA 6020	Chromium	23.4	mg/kg		J	9
23A0455	LDW23-SS1029	23A0455-01	EPA 6020	Silver	0.37	mg/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0455	LDW23-SS1029	23A0455-01	EPA 8270E	Benzo(g,h,i)perylene	34.5	ug/kg		J	5BL
23A0455	LDW23-SS1029	23A0455-01	EPA 8270E	Butyl benzyl phthalate	11.4	ug/kg	J	J	5BH
23A0455	LDW23-SS1029	23A0455-01	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1029	23A0455-01	EPA 8270E	Fluoranthene	138	ug/kg	Q	J	5BH
23A0455	LDW23-SS1029	23A0455-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	33.6	ug/kg		J	5BL
23A0455	LDW23-SS1029	23A0455-01	EPA 8270E	Pyrene	143	ug/kg	Q	J	5BH
23A0455	LDW23-SS1029	23A0455-01	EPA 8270E-SIM	Benzoic acid	46.6	ug/kg	J	J	5BL
23A0455	LDW23-SS1029	23A0455-01	EPA 8270E-SIM	Pentachlorophenol	3.6	ug/kg	J	J	5BL
23A0455	LDW23-SS1032	23A0455-02	EPA 6020	Chromium	27.6	mg/kg		J	9
23A0455	LDW23-SS1032	23A0455-02	EPA 6020	Silver	0.37	mg/kg		J	9
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E	Benzo(g,h,i)perylene	40.7	ug/kg		J	5BL
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E	Butyl benzyl phthalate	16.7	ug/kg	J	J	5BH
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E	Fluoranthene	206	ug/kg	Q	J	5BH
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	39.6	ug/kg		J	5BL
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E	Pyrene	197	ug/kg	Q	J	5BH
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	9
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E-SIM	Benzoic acid	35.8	ug/kg	J	J	5BL
23A0455	LDW23-SS1032	23A0455-02	EPA 8270E-SIM	Pentachlorophenol	5.4	ug/kg	J	J	5BL
23A0455	LDW23-SS1031	23A0455-03	EPA 1613B	1,2,3,4,7,8-HxCDF	5.44	ng/kg		J	5BL
23A0455	LDW23-SS1031	23A0455-03	EPA 1613B	1,2,3,7,8-PeCDD	1.41	ng/kg	EMPC	J	25
23A0455	LDW23-SS1031	23A0455-03	EPA 1613B	2,3,4,7,8-PeCDF	1.39	ng/kg	EMPC	J	25
23A0455	LDW23-SS1031	23A0455-03	EPA 1613B	2,3,7,8-TCDD	0.355	ng/kg	EMPC J	U	25
23A0455	LDW23-SS1031	23A0455-03	EPA 1613B	2,3,7,8-TCDF	1.09	ng/kg	X	J	23H
23A0455	LDW23-SS1031	23A0455-03	EPA 6020	Chromium	26.4	mg/kg		J	9
23A0455	LDW23-SS1031	23A0455-03	EPA 6020	Silver	0.34	mg/kg	J	J	9
23A0455	LDW23-SS1031	23A0455-03	EPA 8270E	Benzo(g,h,i)perylene	32.8	ug/kg		J	5BL
23A0455	LDW23-SS1031	23A0455-03	EPA 8270E	Butyl benzyl phthalate	16.6	ug/kg	J	J	5BH
23A0455	LDW23-SS1031	23A0455-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1031	23A0455-03	EPA 8270E	Fluoranthene	126	ug/kg	Q	J	5BH
23A0455	LDW23-SS1031	23A0455-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	32.1	ug/kg		J	5BL

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0455	LDW23-SS1031	23A0455-03	EPA 8270E	Pyrene	154	ug/kg	Q	J	5BH
23A0455	LDW23-SS1031	23A0455-03	EPA 8270E-SIM	Benzoic acid	52.6	ug/kg	J	J	5BL
23A0455	LDW23-SS1031	23A0455-03	EPA 8270E-SIM	Pentachlorophenol	2.6	ug/kg	J	J	5BL
23A0455	LDW23-SS1033	23A0455-04	EPA 6020	Chromium	19.8	mg/kg		J	9
23A0455	LDW23-SS1033	23A0455-04	EPA 6020	Silver	0.22	mg/kg	J	J	9
23A0455	LDW23-SS1033	23A0455-04	EPA 8082A	Aroclor-1254	52.9	ug/kg	P1	J	3
23A0455	LDW23-SS1033	23A0455-04	EPA 8270E	Benzo(g,h,i)perylene	25.5	ug/kg		J	5BL
23A0455	LDW23-SS1033	23A0455-04	EPA 8270E	Butyl benzyl phthalate	16.8	ug/kg	J	J	5BH
23A0455	LDW23-SS1033	23A0455-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1033	23A0455-04	EPA 8270E	Fluoranthene	104	ug/kg	Q	J	5BH
23A0455	LDW23-SS1033	23A0455-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	22.3	ug/kg		J	5BL
23A0455	LDW23-SS1033	23A0455-04	EPA 8270E	Pyrene	130	ug/kg	Q	J	5BH
23A0455	LDW23-SS1033	23A0455-04	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1033	23A0455-04	EPA 8270E-SIM	Pentachlorophenol	2.2	ug/kg	J	J	5BL
23A0455	LDW23-SS1020	23A0455-05	EPA 6020	Chromium	10.7	mg/kg		J	9
23A0455	LDW23-SS1020	23A0455-05	EPA 6020	Silver	0.05	mg/kg	J	J	9
23A0455	LDW23-SS1020	23A0455-05	EPA 7471B	Mercury		mg/kg	U	U	7L
23A0455	LDW23-SS1020	23A0455-05	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1020	23A0455-05	EPA 8270E	Bis(2-ethylhexyl)phthalate	18.7	ug/kg	J	U	7
23A0455	LDW23-SS1020	23A0455-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1020	23A0455-05	EPA 8270E	Fluoranthene	14.8	ug/kg	J	J	5BH
23A0455	LDW23-SS1020	23A0455-05	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1020	23A0455-05	EPA 8270E	Pyrene	15.8	ug/kg	J	J	5BH
23A0455	LDW23-SS1020	23A0455-05	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1020	23A0455-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1025	23A0455-06	EPA 6020	Chromium	27.9	mg/kg		J	9
23A0455	LDW23-SS1025	23A0455-06	EPA 6020	Silver	0.39	mg/kg	J	J	9
23A0455	LDW23-SS1025	23A0455-06	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1025	23A0455-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1025	23A0455-06	EPA 8270E	Fluoranthene	69.5	ug/kg	Q	J	5BH
23A0455	LDW23-SS1025	23A0455-06	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0455	LDW23-SS1025	23A0455-06	EPA 8270E	Pyrene	68.9	ug/kg	Q	J	5BH
23A0455	LDW23-SS1025	23A0455-06	EPA 8270E-SIM	Benzoic acid	83	ug/kg	J	J	5BL
23A0455	LDW23-SS1025	23A0455-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1024	23A0455-07	EPA 6020	Chromium	30.3	mg/kg		J	9
23A0455	LDW23-SS1024	23A0455-07	EPA 6020	Silver	0.37	mg/kg	J	J	9
23A0455	LDW23-SS1024	23A0455-07	EPA 8270E	Benzo(g,h,i)perylene	22.7	ug/kg		J	5BL
23A0455	LDW23-SS1024	23A0455-07	EPA 8270E	Butyl benzyl phthalate	10.7	ug/kg	J	J	5BH
23A0455	LDW23-SS1024	23A0455-07	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1024	23A0455-07	EPA 8270E	Fluoranthene	187	ug/kg	Q	J	5BH
23A0455	LDW23-SS1024	23A0455-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	23.5	ug/kg		J	5BL
23A0455	LDW23-SS1024	23A0455-07	EPA 8270E	Pyrene	164	ug/kg	Q	J	5BH
23A0455	LDW23-SS1024	23A0455-07	EPA 8270E-SIM	Benzoic acid	59.7	ug/kg	J	J	5BL
23A0455	LDW23-SS1024	23A0455-07	EPA 8270E-SIM	Pentachlorophenol	2.1	ug/kg	J	J	5BL
23A0455	LDW23-SS1023	23A0455-08	EPA 1613B	1,2,3,4,7,8-HxCDD	1.3	ng/kg	EMPC	J	25
23A0455	LDW23-SS1023	23A0455-08	EPA 1613B	1,2,3,4,7,8-HxCDF	4.84	ng/kg		J	5BL
23A0455	LDW23-SS1023	23A0455-08	EPA 1613B	1,2,3,7,8-PeCDD	1.03	ng/kg	EMPC	J	25
23A0455	LDW23-SS1023	23A0455-08	EPA 1613B	2,3,4,6,7,8-HxCDF	0.967	ng/kg	EMPC J	U	25
23A0455	LDW23-SS1023	23A0455-08	EPA 1613B	2,3,4,7,8-PeCDF	0.988	ng/kg	EMPC J	U	25
23A0455	LDW23-SS1023	23A0455-08	EPA 6020	Chromium	25.3	mg/kg		J	9
23A0455	LDW23-SS1023	23A0455-08	EPA 6020	Silver	0.31	mg/kg	J	J	9
23A0455	LDW23-SS1023	23A0455-08	EPA 8270E	Benzo(g,h,i)perylene	20.1	ug/kg		J	5BL
23A0455	LDW23-SS1023	23A0455-08	EPA 8270E	Butyl benzyl phthalate	11.5	ug/kg	J	J	5BH
23A0455	LDW23-SS1023	23A0455-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1023	23A0455-08	EPA 8270E	Fluoranthene	133	ug/kg	Q	J	5BH
23A0455	LDW23-SS1023	23A0455-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	20.9	ug/kg		J	5BL
23A0455	LDW23-SS1023	23A0455-08	EPA 8270E	Pyrene	136	ug/kg	Q	J	5BH
23A0455	LDW23-SS1023	23A0455-08	EPA 8270E-SIM	Benzoic acid	49.2	ug/kg	J	J	5BL
23A0455	LDW23-SS1023	23A0455-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1022	23A0455-09	EPA 6020	Chromium	24.2	mg/kg	D	J	9
23A0455	LDW23-SS1022	23A0455-09	EPA 6020	Silver	0.2	mg/kg	J	J	9
23A0455	LDW23-SS1022	23A0455-09	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0455	LDW23-SS1022	23A0455-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1022	23A0455-09	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1022	23A0455-09	EPA 8270E	Total benzofluoranthenes	91.2	ug/kg		J	5BH
23A0455	LDW23-SS1022	23A0455-09	EPA 8270E-SIM	Benzoic acid	46.5	ug/kg	J	J	5BL
23A0455	LDW23-SS1022	23A0455-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1018	23A0455-10	EPA 6020	Chromium	27.9	mg/kg		J	9
23A0455	LDW23-SS1018	23A0455-10	EPA 6020	Silver	0.44	mg/kg		J	9
23A0455	LDW23-SS1018	23A0455-10	EPA 8270E	Benzo(g,h,i)perylene	33.9	ug/kg	Q	J	5BL
23A0455	LDW23-SS1018	23A0455-10	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1018	23A0455-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	39.1	ug/kg	Q	J	5BL
23A0455	LDW23-SS1018	23A0455-10	EPA 8270E	Total benzofluoranthenes	563	ug/kg		J	5BH
23A0455	LDW23-SS1018	23A0455-10	EPA 8270E-SIM	Benzoic acid	85.8	ug/kg	J	J	5BL
23A0455	LDW23-SS1018	23A0455-10	EPA 8270E-SIM	Pentachlorophenol	3.2	ug/kg	J	J	5BL
23A0455	LDW23-SS1017	23A0455-11	EPA 6020	Chromium	26.1	mg/kg		J	9
23A0455	LDW23-SS1017	23A0455-11	EPA 6020	Silver	0.29	mg/kg	J	J	9
23A0455	LDW23-SS1017	23A0455-11	EPA 8270E	Benzo(g,h,i)perylene	27.9	ug/kg	Q	J	5BL
23A0455	LDW23-SS1017	23A0455-11	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1017	23A0455-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	32.3	ug/kg	Q	J	5BL
23A0455	LDW23-SS1017	23A0455-11	EPA 8270E	Total benzofluoranthenes	385	ug/kg		J	5BH
23A0455	LDW23-SS1017	23A0455-11	EPA 8270E-SIM	Benzoic acid	41.4	ug/kg	J	J	5BL
23A0455	LDW23-SS1017	23A0455-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1016	23A0455-12	EPA 6020	Chromium	26.4	mg/kg	D	J	9
23A0455	LDW23-SS1016	23A0455-12	EPA 6020	Silver	0.25	mg/kg	J	J	9
23A0455	LDW23-SS1016	23A0455-12	EPA 8270E	Benzo(g,h,i)perylene	17.1	ug/kg	J	J	5BL
23A0455	LDW23-SS1016	23A0455-12	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1016	23A0455-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	16.8	ug/kg	J	J	5BL
23A0455	LDW23-SS1016	23A0455-12	EPA 8270E	Total benzofluoranthenes	192	ug/kg		J	5BH
23A0455	LDW23-SS1016	23A0455-12	EPA 8270E-SIM	Benzoic acid	48.8	ug/kg	J	J	5BL
23A0455	LDW23-SS1016	23A0455-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1012	23A0455-13	EPA 6020	Chromium	28.6	mg/kg	D	J	9
23A0455	LDW23-SS1012	23A0455-13	EPA 6020	Silver	0.31	mg/kg	J	J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0455	LDW23-SS1012	23A0455-13	EPA 8270E	Benzo(g,h,i)perylene	22.4	ug/kg	Q	J	5BL
23A0455	LDW23-SS1012	23A0455-13	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1012	23A0455-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	23.7	ug/kg	Q	J	5BL
23A0455	LDW23-SS1012	23A0455-13	EPA 8270E	Total benzofluoranthenes	297	ug/kg		J	5BH
23A0455	LDW23-SS1012	23A0455-13	EPA 8270E-SIM	Benzoic acid	52.6	ug/kg	J	J	5BL
23A0455	LDW23-SS1012	23A0455-13	EPA 8270E-SIM	Pentachlorophenol	2.1	ug/kg	J	J	5BL
23A0455	LDW23-SS1012	23A0455-13	EPA 9060	Total Organic carbon (TOC)	2.28	%		J	8H
23A0455	LDW23-SS1011	23A0455-14	EPA 6020	Chromium	30	mg/kg	D	J	9
23A0455	LDW23-SS1011	23A0455-14	EPA 6020	Silver	0.36	mg/kg	J	J	9
23A0455	LDW23-SS1011	23A0455-14	EPA 8270E	Benzo(g,h,i)perylene	19.8	ug/kg	J	J	5BL
23A0455	LDW23-SS1011	23A0455-14	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1011	23A0455-14	EPA 8270E	Indeno(1,2,3-cd)pyrene	23	ug/kg	Q	J	5BL
23A0455	LDW23-SS1011	23A0455-14	EPA 8270E	Total benzofluoranthenes	266	ug/kg		J	5BH
23A0455	LDW23-SS1011	23A0455-14	EPA 8270E-SIM	Benzoic acid	42	ug/kg	J	J	5BL
23A0455	LDW23-SS1011	23A0455-14	EPA 8270E-SIM	Pentachlorophenol	2.5	ug/kg	J	J	5BL
23A0455	LDW23-SS1011	23A0455-14	EPA 9060	Total Organic carbon (TOC)	2.62	%		J	8H
23A0455	LDW23-SS1051	23A0455-15	EPA 1613B	1,2,3,4,7,8-HxCDF	2.73	ng/kg	EMPC	J	5BL,25
23A0455	LDW23-SS1051	23A0455-15	EPA 1613B	1,2,3,7,8,9-HxCDF	1.13	ng/kg	EMPC	J	25
23A0455	LDW23-SS1051	23A0455-15	EPA 1613B	2,3,7,8-TCDF	0.89	ng/kg	X J	J	23H
23A0455	LDW23-SS1051	23A0455-15	EPA 6020	Chromium	22.1	mg/kg		J	9
23A0455	LDW23-SS1051	23A0455-15	EPA 6020	Silver	0.13	mg/kg	J	J	9
23A0455	LDW23-SS1051	23A0455-15	EPA 7471B	Mercury	0.0611	mg/kg		J	7L
23A0455	LDW23-SS1051	23A0455-15	EPA 8082A	Aroclor-1260	27.7	ug/kg	P1	J	3
23A0455	LDW23-SS1051	23A0455-15	EPA 8270E	Benzo(a)pyrene	93.9	ug/kg		DNR	19
23A0455	LDW23-SS1051	23A0455-15	EPA 8270E	Benzo(g,h,i)perylene	37.5	ug/kg	Q	DNR	19
23A0455	LDW23-SS1051	23A0455-15	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	19
23A0455	LDW23-SS1051	23A0455-15	EPA 8270E	Indeno(1,2,3-cd)pyrene	24	ug/kg	Q	J	19
23A0455	LDW23-SS1051	23A0455-15	EPA 8270E	Total benzofluoranthenes	431	ug/kg		DNR	19
23A0455	LDW23-SS1051	23A0455-15	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	J	13H
23A0455	LDW23-SS1051	23A0455-15	EPA 8270E-SIM	Benzoic acid	74.1	ug/kg	J	J	5BL
23A0455	LDW23-SS1051	23A0455-15	EPA 8270E-SIM	Pentachlorophenol	10.8	ug/kg	J	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0455	LDW23-SS1051	23A0455-15	EPA 9060	Total Organic carbon (TOC)	3.25	%		J	8H
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	4-Methylphenol	69.1	ug/kg	J D	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Benzo(a)anthracene	104	ug/kg	D	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	337	ug/kg	Q D	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Butyl benzyl phthalate	250	ug/kg	D	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Chrysene	152	ug/kg	D	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Fluoranthene	211	ug/kg	Q D	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Phenanthrene	68.1	ug/kg	J D	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Phenol	136	ug/kg	D	DNR	11
23A0455	LDW23-SS1051	23A0455-15RE1	EPA 8270E	Pyrene	299	ug/kg	D	DNR	11
23A0455	LDW23-SS1052	23A0455-16	EPA 1613B	1,2,3,4,7,8-HxCDD	1.59	ng/kg	EMPC	J	25
23A0455	LDW23-SS1052	23A0455-16	EPA 1613B	1,2,3,4,7,8-HxCDF	4.85	ng/kg		J	5BL
23A0455	LDW23-SS1052	23A0455-16	EPA 1613B	1,2,3,7,8,9-HxCDF	1.18	ng/kg	EMPC	J	25
23A0455	LDW23-SS1052	23A0455-16	EPA 1613B	1,2,3,7,8-PeCDD	1.53	ng/kg	EMPC	J	25
23A0455	LDW23-SS1052	23A0455-16	EPA 1613B	2,3,4,7,8-PeCDF	1.64	ng/kg	EMPC	J	25
23A0455	LDW23-SS1052	23A0455-16	EPA 1613B	2,3,7,8-TCDF	1.04	ng/kg	EMPC	J	25
23A0455	LDW23-SS1052	23A0455-16	EPA 6020	Chromium	28.5	mg/kg		J	9
23A0455	LDW23-SS1052	23A0455-16	EPA 6020	Silver	0.29	mg/kg	J	J	9
23A0455	LDW23-SS1052	23A0455-16	EPA 8081B	Hexachlorobenzene		ug/kg	U	UJ	19
23A0455	LDW23-SS1052	23A0455-16	EPA 8270E	Benzo(g,h,i)perylene	25.5	ug/kg	Q	J	5BL
23A0455	LDW23-SS1052	23A0455-16	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1052	23A0455-16	EPA 8270E	Indeno(1,2,3-cd)pyrene	24.8	ug/kg	Q	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0455	LDW23-SS1052	23A0455-16	EPA 8270E	Total benzofluoranthenes	306	ug/kg		J	5BH
23A0455	LDW23-SS1052	23A0455-16	EPA 8270E-SIM	Benzoic acid	66.7	ug/kg	J	J	5BL
23A0455	LDW23-SS1052	23A0455-16	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	J	5BL
23A0455	LDW23-SS1052	23A0455-16	EPA 9060	Total Organic carbon (TOC)	3.08	%		J	8H
23A0455	LDW23-SS1219	23A0455-17	EPA 6020	Chromium	25.8	mg/kg		J	9
23A0455	LDW23-SS1219	23A0455-17	EPA 6020	Silver	0.29	mg/kg	J	J	9
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E	Benzo(g,h,i)perylene	83.2	ug/kg	Q	J	5BL
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E	Dibenzo(a,h)anthracene	38.2	ug/kg	Q	J	5BL
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E	Fluoranthene	2320	ug/kg	E	DNR	20
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E	Indeno(1,2,3-cd)pyrene	91.7	ug/kg	Q	J	5BL
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E	Pyrene	2730	ug/kg	E	DNR	20
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E	Total benzofluoranthenes	1700	ug/kg		J	5BH
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E-SIM	2,4-Dimethylphenol	2.5	ug/kg	J	J	9
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E-SIM	Benzoic acid	35.7	ug/kg	J	J	5BL
23A0455	LDW23-SS1219	23A0455-17	EPA 8270E-SIM	Pentachlorophenol	4.3	ug/kg	J	J	5BL
23A0455	LDW23-SS1219	23A0455-17	EPA 9060	Total Organic carbon (TOC)	2.44	%		J	8H
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	2-Methylnaphthalene	18.6	ug/kg	J D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Acenaphthene	179	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Acenaphthylene	42	ug/kg	J D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Anthracene	304	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Benzo(a)anthracene	799	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Benzo(a)pyrene	537	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Benzo(g,h,i)perylene	220	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	27.2	ug/kg	J D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Chrysene	1060	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Dibenzo(a,h)anthracene	94.8	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Dibenzofuran	111	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Fluoranthene	2150	ug/kg	Q D	J	5BH

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Fluorene	183	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	227	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Naphthalene	53.6	ug/kg	J D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Phenanthrene	1690	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Phenol	171	ug/kg	D	DNR	11
23A0455	LDW23-SS1219	23A0455-17RE1	EPA 8270E	Total benzofluoranthenes	1210	ug/kg	D	DNR	11
23A0455	LDW23-SS1180	23A0455-18	EPA 6020	Chromium	20.6	mg/kg	D	J	9
23A0455	LDW23-SS1180	23A0455-18	EPA 6020	Silver	0.08	mg/kg	J	J	9
23A0455	LDW23-SS1180	23A0455-18	EPA 7471B	Mercury	0.0114	mg/kg	J	J	7L
23A0455	LDW23-SS1180	23A0455-18	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,8L
23A0455	LDW23-SS1180	23A0455-18	EPA 8270E	Bis(2-ethylhexyl)phthalate	17.1	ug/kg	J	U	7
23A0455	LDW23-SS1180	23A0455-18	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1180	23A0455-18	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL,8L
23A0455	LDW23-SS1180	23A0455-18	EPA 8270E	Total benzofluoranthenes	35.9	ug/kg	J	J	5BH
23A0455	LDW23-SS1180	23A0455-18	EPA 8270E-SIM	Benzoic acid	16.5	ug/kg	J	J	5BL
23A0455	LDW23-SS1180	23A0455-18	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0455	LDW23-SS1180	23A0455-18	EPA 9060	Total Organic carbon (TOC)	0.23	%		J	8H
23A0455	LDW23-SS1012DUP1	BLA0567-DUP1	EPA 9060	Total Organic carbon (TOC)	2.29	%		J	8H
23A0455	LDW23-SS1029DUP1	BLD0504-DUP1	EPA 6020	Chromium	30.7	mg/kg	*	J	9
23A0455	LDW23-SS1029DUP1	BLD0504-DUP1	EPA 6020	Silver	0.36	mg/kg		J	9
23A0467	LDW23-SS1010	23A0467-01	EPA 8082A	Aroclor-1260	42.4	ug/kg		J	9
23A0467	LDW23-SS1010	23A0467-01	EPA 8270E	Fluorene		ug/kg	U	UJ	5BL
23A0467	LDW23-SS1010	23A0467-01	EPA 8270E-SIM	Benzoic acid	90.9	ug/kg	J	J	5BL,5CL
23A0467	LDW23-SS1010	23A0467-01	EPA 8270E-SIM	Benzyl alcohol	22.4	ug/kg		J	5BL
23A0467	LDW23-SS1010	23A0467-01	EPA 8270E-SIM	Pentachlorophenol	6	ug/kg	J	J	5BL
23A0467	LDW23-SS1010	23A0467-01	EPA 9060	Total Organic carbon (TOC)	2.72	%		J	8H
23A0467	LDW23-SS1005	23A0467-02	EPA 8082A	Aroclor-1260	46.9	ug/kg		J	9
23A0467	LDW23-SS1005	23A0467-02	EPA 8270E	Fluorene		ug/kg	U	UJ	5BL
23A0467	LDW23-SS1005	23A0467-02	EPA 8270E-SIM	Benzoic acid	96.8	ug/kg	J	J	5BL,5CL
23A0467	LDW23-SS1005	23A0467-02	EPA 8270E-SIM	Benzyl alcohol	30.3	ug/kg		J	5BL
23A0467	LDW23-SS1005	23A0467-02	EPA 8270E-SIM	Pentachlorophenol	4.4	ug/kg	J	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0467	LDW23-SS1005	23A0467-02	EPA 9060	Total Organic carbon (TOC)	2.75	%		J	8H
23A0467	LDW23-SS1006	23A0467-03	EPA 8082A	Aroclor-1260	53.8	ug/kg		J	9
23A0467	LDW23-SS1006	23A0467-03	EPA 8270E	Fluorene	14.6	ug/kg	J	J	5BL
23A0467	LDW23-SS1006	23A0467-03	EPA 8270E-SIM	Benzoic acid	99.8	ug/kg		J	5BL,5CL
23A0467	LDW23-SS1006	23A0467-03	EPA 8270E-SIM	Benzyl alcohol	31.5	ug/kg		J	5BL
23A0467	LDW23-SS1006	23A0467-03	EPA 8270E-SIM	Pentachlorophenol	5.1	ug/kg	J	J	5BL
23A0467	LDW23-SS1006	23A0467-03	EPA 9060	Total Organic carbon (TOC)	2.63	%		J	8H
23A0467	LDW23-SS1003	23A0467-04	EPA 8082A	Aroclor-1260	59.1	ug/kg		J	9
23A0467	LDW23-SS1003	23A0467-04	EPA 8270E	Fluorene	23.3	ug/kg	Q	J	5BL
23A0467	LDW23-SS1003	23A0467-04	EPA 8270E-SIM	Benzoic acid	93.9	ug/kg	J	J	5BL,5CL
23A0467	LDW23-SS1003	23A0467-04	EPA 8270E-SIM	Benzyl alcohol	23.9	ug/kg		J	5BL
23A0467	LDW23-SS1003	23A0467-04	EPA 8270E-SIM	Pentachlorophenol	5.3	ug/kg	J	J	5BL
23A0467	LDW23-SS1003	23A0467-04	EPA 9060	Total Organic carbon (TOC)	2.6	%		J	8H
23A0467	LDW23-SS1004	23A0467-05	EPA 1613B	1,2,3,4,7,8-HxCDF	5.68	ng/kg		J	5BL
23A0467	LDW23-SS1004	23A0467-05	EPA 1613B	1,2,3,7,8,9-HxCDF	1.31	ng/kg		J	5BL
23A0467	LDW23-SS1004	23A0467-05	EPA 1613B	2,3,7,8-TCDD	0.283	ng/kg	EMPC J	U	25
23A0467	LDW23-SS1004	23A0467-05	EPA 8082A	Aroclor-1260	42.6	ug/kg		J	9
23A0467	LDW23-SS1004	23A0467-05	EPA 8270E	Fluorene		ug/kg	U	UJ	5BL
23A0467	LDW23-SS1004	23A0467-05	EPA 8270E-SIM	Benzoic acid	64.1	ug/kg	J	J	5BL,5CL
23A0467	LDW23-SS1004	23A0467-05	EPA 8270E-SIM	Benzyl alcohol	17.8	ug/kg	J	J	5BL
23A0467	LDW23-SS1004	23A0467-05	EPA 8270E-SIM	Pentachlorophenol	4.2	ug/kg	J	J	5BL
23A0467	LDW23-SS1004	23A0467-05	EPA 9060	Total Organic carbon (TOC)	1.73	%		J	8H
23A0467	LDW23-SS1204	23A0467-06	EPA 8082A	Aroclor-1260	34.8	ug/kg		J	9
23A0467	LDW23-SS1204	23A0467-06	EPA 8270E	Fluorene	17.9	ug/kg	J	J	5BL
23A0467	LDW23-SS1204	23A0467-06	EPA 8270E-SIM	1,4-Dichlorobenzene	1.8	ug/kg	J	J	13H
23A0467	LDW23-SS1204	23A0467-06	EPA 8270E-SIM	Benzoic acid	154	ug/kg		J	5BL,5CL
23A0467	LDW23-SS1204	23A0467-06	EPA 8270E-SIM	Benzyl alcohol	410	ug/kg		J	5BL
23A0467	LDW23-SS1204	23A0467-06	EPA 8270E-SIM	Pentachlorophenol	4.5	ug/kg	J	J	5BL
23A0467	LDW23-SS1204	23A0467-06	EPA 9060	Total Organic carbon (TOC)	2.32	%		J	8H
23A0467	LDW23-SS1238	23A0467-07	EPA 8082A	Aroclor-1260	29.4	ug/kg		J	9
23A0467	LDW23-SS1238	23A0467-07	EPA 8270E	Benzo(g,h,i)perylene	59.4	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23A0467	LDW23-SS1238	23A0467-07	EPA 8270E-SIM	Benzoic acid	83	ug/kg	J	J	5BL,5CL
23A0467	LDW23-SS1238	23A0467-07	EPA 8270E-SIM	Benzyl alcohol	20.3	ug/kg		J	5BL
23A0467	LDW23-SS1238	23A0467-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0467	LDW23-SS1238	23A0467-07	EPA 9060	Total Organic carbon (TOC)	1.7	%		J	8H
23A0467	LDW23-SS1013	23A0467-08	EPA 8082A	Aroclor-1260	52.9	ug/kg		J	9
23A0467	LDW23-SS1013	23A0467-08	EPA 8270E	Benzo(g,h,i)perylene	92.3	ug/kg		J	5BL
23A0467	LDW23-SS1013	23A0467-08	EPA 8270E-SIM	Benzoic acid	54.7	ug/kg	J	J	5BL,5CL
23A0467	LDW23-SS1013	23A0467-08	EPA 8270E-SIM	Benzyl alcohol	21.1	ug/kg		J	5BL
23A0467	LDW23-SS1013	23A0467-08	EPA 8270E-SIM	Pentachlorophenol	5.5	ug/kg	J	J	5BL
23A0467	LDW23-SS1013	23A0467-08	EPA 9060	Total Organic carbon (TOC)	2.79	%		J	8H
23A0467	LDW23-SS1014	23A0467-09	EPA 8082A	Aroclor-1260	25	ug/kg		J	9
23A0467	LDW23-SS1014	23A0467-09	EPA 8270E	Benzo(g,h,i)perylene	51	ug/kg		J	5BL
23A0467	LDW23-SS1014	23A0467-09	EPA 8270E-SIM	Benzoic acid	50.4	ug/kg	J	J	5BL,5CL
23A0467	LDW23-SS1014	23A0467-09	EPA 8270E-SIM	Benzyl alcohol	10.3	ug/kg	J	J	5BL
23A0467	LDW23-SS1014	23A0467-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23A0467	LDW23-SS1014	23A0467-09	EPA 9060	Total Organic carbon (TOC)	0.99	%		J	8H
23B0229	LDW23-SS1236	23B0229-02	EPA 6020	Lead	17.4	mg/kg		J	9
23B0229	LDW23-SS1236	23B0229-02	EPA 6020	Silver	0.33	mg/kg	J	J	8L
23B0229	LDW23-SS1236	23B0229-02	EPA 7471B	Mercury	0.136	mg/kg		J	9
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E	Benzo(g,h,i)perylene	58.2	ug/kg	Q	J	5BL
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E	Butyl benzyl phthalate	86.8	ug/kg	Q	J	5BH,10H
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E	Fluoranthene	305	ug/kg	Q	J	5BH
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E	Pyrene	284	ug/kg		J	5BH
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E-SIM	2,4-Dimethylphenol	3.6	ug/kg	J	J	9
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E-SIM	Benzoic acid	114	ug/kg	Q	J	5BL
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E-SIM	Benzyl alcohol	51.7	ug/kg		J	5BL
23B0229	LDW23-SS1236	23B0229-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23B0229	LDW23-SS1237	23B0229-03	EPA 6020	Lead	20.2	mg/kg		J	9
23B0229	LDW23-SS1237	23B0229-03	EPA 6020	Silver	0.19	mg/kg	J	J	8L

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23B0229	LDW23-SS1237	23B0229-03	EPA 7471B	Mercury	0.159	mg/kg		J	9
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E	Benzo(g,h,i)perylene	53.9	ug/kg	Q	J	5BL
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E	Butyl benzyl phthalate	12	ug/kg	J	J	5BH,10H
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E	Dibenzo(a,h)anthracene	17.9	ug/kg	J	J	5BL
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E	Fluoranthene	288	ug/kg	Q	J	5BH
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E	Pyrene	283	ug/kg		J	5BH
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E-SIM	1,4-Dichlorobenzene	17.4	ug/kg		J	13H
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E-SIM	Benzoic acid	113	ug/kg	Q	J	5BL
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E-SIM	Benzyl alcohol	56.1	ug/kg		J	5BL
23B0229	LDW23-SS1237	23B0229-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23B0229	LDW23-SS1150	23B0229-04	EPA 6020	Lead	20.3	mg/kg		J	9
23B0229	LDW23-SS1150	23B0229-04	EPA 6020	Silver	0.2	mg/kg	J	J	8L
23B0229	LDW23-SS1150	23B0229-04	EPA 7471B	Mercury	0.156	mg/kg		J	9
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E	Benzo(a)anthracene	71.7	ug/kg		DNR	19
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E	Benzo(g,h,i)perylene	54.8	ug/kg	Q	J	5BL
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E	Butyl benzyl phthalate	19.3	ug/kg	J	J	5BH,10H,19
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E	Chrysene	114	ug/kg		DNR	19
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E	Fluoranthene	294	ug/kg	Q	DNR	19
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E	Pyrene	254	ug/kg		DNR	19
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E-SIM	1,4-Dichlorobenzene	1.8	ug/kg	J	U	7
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E-SIM	Benzoic acid	146	ug/kg	Q	J	5BL
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E-SIM	Benzyl alcohol	74.5	ug/kg		J	5BL
23B0229	LDW23-SS1150	23B0229-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Benzo(a)pyrene	51.1	ug/kg	J D	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Benzo(g,h,i)perylene	65	ug/kg	J D	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	131	ug/kg	J D	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Fluoranthene	240	ug/kg	D	J	5BH
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Phenanthrene	72.7	ug/kg	J D	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Phenol	21.9	ug/kg	J D	DNR	11
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Pyrene	222	ug/kg	D	J	5BH
23B0229	LDW23-SS1150	23B0229-04RE1	EPA 8270E	Total benzofluoranthenes	196	ug/kg	D	DNR	11
23B0229	LDW23-SS1008	23B0229-05	EPA 6020	Lead	33.6	mg/kg		J	9
23B0229	LDW23-SS1008	23B0229-05	EPA 6020	Silver	0.36	mg/kg	J	J	8L
23B0229	LDW23-SS1008	23B0229-05	EPA 7471B	Mercury	0.298	mg/kg		J	9
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E	Benzo(a)anthracene	202	ug/kg		DNR	19
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E	Benzo(g,h,i)perylene	99.4	ug/kg	Q	J	5BL
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E	Bis(2-ethylhexyl)phthalate	312	ug/kg		DNR	19
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E	Butyl benzyl phthalate	20	ug/kg	Q	J	5BH,10H,19
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E	Chrysene	420	ug/kg		DNR	19
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E	Dibenzo(a,h)anthracene	34.8	ug/kg	Q	J	5BL
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E	Fluoranthene	572	ug/kg	Q	DNR	19
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E	Pyrene	488	ug/kg		DNR	19
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E-SIM	1,2-Dichlorobenzene	1	ug/kg	J	J	13H
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E-SIM	1,4-Dichlorobenzene	2.7	ug/kg	J	U	7
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E-SIM	Benzoic acid	147	ug/kg	Q	J	5BL
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E-SIM	Benzyl alcohol	86.7	ug/kg		J	5BL
23B0229	LDW23-SS1008	23B0229-05	EPA 8270E-SIM	Pentachlorophenol	4.4	ug/kg	J	J	5BL
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	2-Methylnaphthalene	19.9	ug/kg	J D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Acenaphthene	20.5	ug/kg	J D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Anthracene	114	ug/kg	D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Benzo(a)pyrene	143	ug/kg	D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Benzo(g,h,i)perylene	122	ug/kg	D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Fluoranthene	449	ug/kg	D	J	5BH
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	108	ug/kg	D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Naphthalene	31.1	ug/kg	J D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Phenanthrene	214	ug/kg	D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Phenol	25.8	ug/kg	J D	DNR	11
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Pyrene	387	ug/kg	D	J	5BH
23B0229	LDW23-SS1008	23B0229-05RE1	EPA 8270E	Total benzofluoranthenes	413	ug/kg	D	DNR	11
23B0229	LDW23-SC1008	23B0229-06	EPA 6020	Lead	32.6	mg/kg		J	9
23B0229	LDW23-SC1008	23B0229-06	EPA 6020	Silver	0.32	mg/kg	J	J	8L
23B0229	LDW23-SC1008	23B0229-06	EPA 7471B	Mercury	0.278	mg/kg		J	9
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E	Benzo(a)anthracene	123	ug/kg		DNR	19
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E	Benzo(g,h,i)perylene	77.7	ug/kg	Q	J	5BL
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E	Butyl benzyl phthalate	21.9	ug/kg	Q	J	5BH,10H,19
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E	Chrysene	181	ug/kg		DNR	19
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E	Dibenzo(a,h)anthracene	21.8	ug/kg	Q	J	5BL
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E	Fluoranthene	409	ug/kg	Q	DNR	19
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E	Pyrene	398	ug/kg		DNR	19
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E-SIM	1,2-Dichlorobenzene	1.2	ug/kg	J	J	13H
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E-SIM	1,4-Dichlorobenzene	3.7	ug/kg	J	U	7
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E-SIM	Benzoic acid	99.5	ug/kg	Q	J	5BL
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E-SIM	Benzyl alcohol	87.9	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23B0229	LDW23-SC1008	23B0229-06	EPA 8270E-SIM	Pentachlorophenol	4.7	ug/kg	J	J	5BL
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Anthracene	48	ug/kg	J D	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Benzo(a)pyrene	130	ug/kg	D	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Benzo(g,h,i)perylene	104	ug/kg	D	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	196	ug/kg	J D	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Fluoranthene	323	ug/kg	D	J	5BH
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	91	ug/kg	D	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Naphthalene	21.9	ug/kg	J D	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Phenanthrene	93	ug/kg	D	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Phenol	25.4	ug/kg	J D	DNR	11
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Pyrene	338	ug/kg	D	J	5BH
23B0229	LDW23-SC1008	23B0229-06RE1	EPA 8270E	Total benzofluoranthenes	333	ug/kg	D	DNR	11
23B0229	LDW23-SC1013	23B0229-08	EPA 6020	Lead	32.9	mg/kg		J	9
23B0229	LDW23-SC1013	23B0229-08	EPA 6020	Silver	0.35	mg/kg	J	J	8L
23B0229	LDW23-SC1013	23B0229-08	EPA 7471B	Mercury	0.282	mg/kg		J	9
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E	Benzo(a)anthracene	115	ug/kg		DNR	19
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E	Benzo(g,h,i)perylene	77.1	ug/kg	Q	J	5BL
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E	Bis(2-ethylhexyl)phthalate	251	ug/kg		DNR	19
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E	Butyl benzyl phthalate	30.9	ug/kg	Q	DNR	19
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E	Chrysene	162	ug/kg		DNR	19
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E	Dibenzo(a,h)anthracene	24.8	ug/kg	Q	J	5BL
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E	Fluoranthene	427	ug/kg	Q	DNR	19

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E	Pyrene	406	ug/kg		DNR	19
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E-SIM	1,2-Dichlorobenzene	1.1	ug/kg	J	J	13H
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E-SIM	1,4-Dichlorobenzene	2.8	ug/kg	J	U	7
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E-SIM	Benzoic acid	147	ug/kg	Q	J	5BL
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E-SIM	Benzyl alcohol	76.8	ug/kg		J	5BL
23B0229	LDW23-SC1013	23B0229-08	EPA 8270E-SIM	Pentachlorophenol	3.1	ug/kg	J	J	5BL
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Anthracene	41.6	ug/kg	J D	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Benzo(a)pyrene	110	ug/kg	D	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Benzo(g,h,i)perylene	88	ug/kg	D	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Butyl benzyl phthalate	36.7	ug/kg	J D	J	5BH,10H
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Fluoranthene	318	ug/kg	D	J	5BH
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	80.1	ug/kg	D	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Naphthalene	19.7	ug/kg	J D	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Phenanthrene	95.6	ug/kg	D	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Phenol	66.4	ug/kg	J D	DNR	11
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Pyrene	329	ug/kg	D	J	5BH
23B0229	LDW23-SC1013	23B0229-08RE1	EPA 8270E	Total benzofluoranthenes	330	ug/kg	D	DNR	11
23B0276	LDW23-SC1150B	23B0276-01	EPA 6020	Lead	24.9	mg/kg		J	9
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E	Benzo(a)anthracene	66.7	ug/kg		J	19
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E	Benzo(g,h,i)perylene	62.3	ug/kg	Q	J	5BL
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	207	ug/kg		J	5BH
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E	Butyl benzyl phthalate	26.7	ug/kg	Q	J	5BH,8H,10H,19
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E	Chrysene	90.8	ug/kg		J	19

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E	Dibenzo(a,h)anthracene	19.6	ug/kg	J	J	5BL
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E	Fluoranthene	244	ug/kg	Q	J	5BH,8H,19
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E	Pyrene	430	ug/kg		J	5BH,8H,19
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E-SIM	1,2-Dichlorobenzene	0.9	ug/kg	J	J	13H
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E-SIM	1,4-Dichlorobenzene	2.4	ug/kg	J	U	7
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E-SIM	Benzoic acid	51.6	ug/kg	J	J	5BL
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E-SIM	Benzyl alcohol	28.5	ug/kg		J	5BL
23B0276	LDW23-SC1150B	23B0276-01	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0071	LDW23-SS1000	23C0071-01	EPA 6020	Chromium	30.9	mg/kg		J	9
23C0071	LDW23-SS1000	23C0071-01	EPA 6020	Copper	70.3	mg/kg	B	J	9
23C0071	LDW23-SS1000	23C0071-01	EPA 6020	Lead	31.4	mg/kg		J	8H
23C0071	LDW23-SS1000	23C0071-01	EPA 8270E	Phenol	45.4	ug/kg		U	7
23C0071	LDW23-SS1000	23C0071-01	EPA 8270E-SIM	1,2-Dichlorobenzene	0.8	ug/kg	J	U	7
23C0071	LDW23-SS1000	23C0071-01	EPA 8270E-SIM	1,4-Dichlorobenzene	2.4	ug/kg	J	U	7
23C0071	LDW23-SS1000	23C0071-01	EPA 8270E-SIM	2,4-Dimethylphenol	4.2	ug/kg	J	J	9
23C0071	LDW23-SS1000	23C0071-01	EPA 8270E-SIM	Benzoic acid	329	ug/kg		J	5BL,5CL
23C0071	LDW23-SS1000	23C0071-01	EPA 8270E-SIM	Pentachlorophenol	11.1	ug/kg	J	J	5BL
23C0071	LDW23-SS1000	23C0071-01	EPA 9060	Total Organic carbon (TOC)	2.74	%		J	8H
23C0071	LDW23-SS1037	23C0071-02	EPA 1613B	1,2,3,7,8,9-HxCDD	3.89	ng/kg	EMPC	J	25
23C0071	LDW23-SS1037	23C0071-02	EPA 1613B	1,2,3,7,8,9-HxCDF	1.03	ng/kg	EMPC	J	25
23C0071	LDW23-SS1037	23C0071-02	EPA 1613B	1,2,3,7,8-PeCDD	1.51	ng/kg	EMPC B	J	12H,25
23C0071	LDW23-SS1037	23C0071-02	EPA 1613B	1,2,3,7,8-PeCDF	0.907	ng/kg	EMPC J	U	25
23C0071	LDW23-SS1037	23C0071-02	EPA 1613B	2,3,4,7,8-PeCDF	1.57	ng/kg		J	12H
23C0071	LDW23-SS1037	23C0071-02	EPA 1613B	2,3,7,8-TCDD	0.442	ng/kg	EMPC J	U	25
23C0071	LDW23-SS1037	23C0071-02	EPA 1613B	OCDF	165	ng/kg		J	9
23C0071	LDW23-SS1037	23C0071-02	EPA 1613B	Total HpCDF	166	ng/kg		J	9
23C0071	LDW23-SS1037	23C0071-02	EPA 6020	Chromium	27.2	mg/kg		J	9
23C0071	LDW23-SS1037	23C0071-02	EPA 6020	Copper	54.2	mg/kg	B	J	9
23C0071	LDW23-SS1037	23C0071-02	EPA 6020	Lead	21.9	mg/kg		J	8H
23C0071	LDW23-SS1037	23C0071-02	EPA 8270E	Phenol	17.1	ug/kg	J	U	7
23C0071	LDW23-SS1037	23C0071-02	EPA 8270E-SIM	1,4-Dichlorobenzene	1.1	ug/kg	J	U	7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0071	LDW23-SS1037	23C0071-02	EPA 8270E-SIM	2,4-Dimethylphenol	2.5	ug/kg	J	J	9
23C0071	LDW23-SS1037	23C0071-02	EPA 8270E-SIM	Benzoic acid	149	ug/kg		J	5BL,5CL
23C0071	LDW23-SS1037	23C0071-02	EPA 8270E-SIM	Pentachlorophenol	4.7	ug/kg	J	J	5BL
23C0071	LDW23-SS1037	23C0071-02	EPA 9060	Total Organic carbon (TOC)	2.57	%		J	8H
23C0071	LDW23-SS1036	23C0071-03	EPA 6020	Chromium	28.9	mg/kg		J	9
23C0071	LDW23-SS1036	23C0071-03	EPA 6020	Copper	67.6	mg/kg	B	J	9
23C0071	LDW23-SS1036	23C0071-03	EPA 6020	Lead	27.8	mg/kg		J	8H
23C0071	LDW23-SS1036	23C0071-03	EPA 8270E-SIM	1,2-Dichlorobenzene	1.4	ug/kg	J	U	7
23C0071	LDW23-SS1036	23C0071-03	EPA 8270E-SIM	1,4-Dichlorobenzene	2.2	ug/kg	J	U	7
23C0071	LDW23-SS1036	23C0071-03	EPA 8270E-SIM	2,4-Dimethylphenol	4.3	ug/kg	J	J	9
23C0071	LDW23-SS1036	23C0071-03	EPA 8270E-SIM	Benzoic acid	126	ug/kg		J	5BL,5CL
23C0071	LDW23-SS1036	23C0071-03	EPA 8270E-SIM	Pentachlorophenol	10	ug/kg	J	J	5BL
23C0071	LDW23-SS1036	23C0071-03	EPA 9060	Total Organic carbon (TOC)	3.12	%		J	8H
23C0071	LDW23-SS1044	23C0071-04	EPA 6020	Chromium	31.8	mg/kg		J	9
23C0071	LDW23-SS1044	23C0071-04	EPA 6020	Copper	71.8	mg/kg	B	J	9
23C0071	LDW23-SS1044	23C0071-04	EPA 6020	Lead	30.5	mg/kg		J	8H
23C0071	LDW23-SS1044	23C0071-04	EPA 8270E	Phenol	18.5	ug/kg	J	U	7
23C0071	LDW23-SS1044	23C0071-04	EPA 8270E-SIM	1,4-Dichlorobenzene	1.5	ug/kg	J	U	7
23C0071	LDW23-SS1044	23C0071-04	EPA 8270E-SIM	2,4-Dimethylphenol	2.6	ug/kg	J	J	9
23C0071	LDW23-SS1044	23C0071-04	EPA 8270E-SIM	Benzoic acid	89.9	ug/kg	J	J	5BL,5CL
23C0071	LDW23-SS1044	23C0071-04	EPA 8270E-SIM	Pentachlorophenol	4.9	ug/kg	J	J	5BL
23C0071	LDW23-SS1044	23C0071-04	EPA 9060	Total Organic carbon (TOC)	4	%		J	8H
23C0071	LDW23-SS1048	23C0071-05	EPA 6020	Chromium	27.2	mg/kg		J	9
23C0071	LDW23-SS1048	23C0071-05	EPA 6020	Copper	59.6	mg/kg	B	J	9
23C0071	LDW23-SS1048	23C0071-05	EPA 6020	Lead	27.9	mg/kg		J	8H
23C0071	LDW23-SS1048	23C0071-05	EPA 8270E	Phenol	20.1	ug/kg		U	7
23C0071	LDW23-SS1048	23C0071-05	EPA 8270E-SIM	1,2-Dichlorobenzene	0.9	ug/kg	J	U	7
23C0071	LDW23-SS1048	23C0071-05	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7
23C0071	LDW23-SS1048	23C0071-05	EPA 8270E-SIM	Benzoic acid	110	ug/kg		J	5BL,5CL
23C0071	LDW23-SS1048	23C0071-05	EPA 8270E-SIM	Pentachlorophenol	2.7	ug/kg	J	J	5BL
23C0071	LDW23-SS1048	23C0071-05	EPA 9060	Total Organic carbon (TOC)	2.65	%		J	8H

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0071	LDW23-SS1054	23C0071-06	EPA 6020	Chromium	26.6	mg/kg		J	9
23C0071	LDW23-SS1054	23C0071-06	EPA 6020	Copper	54.3	mg/kg	B	J	9
23C0071	LDW23-SS1054	23C0071-06	EPA 6020	Lead	39	mg/kg		J	8H
23C0071	LDW23-SS1054	23C0071-06	EPA 8270E	Phenol	21.9	ug/kg		U	7
23C0071	LDW23-SS1054	23C0071-06	EPA 8270E-SIM	1,2-Dichlorobenzene	0.9	ug/kg	J	U	7
23C0071	LDW23-SS1054	23C0071-06	EPA 8270E-SIM	1,4-Dichlorobenzene	2.5	ug/kg	J	U	7
23C0071	LDW23-SS1054	23C0071-06	EPA 8270E-SIM	2,4-Dimethylphenol	3.9	ug/kg	J	J	9
23C0071	LDW23-SS1054	23C0071-06	EPA 8270E-SIM	Benzoic acid	175	ug/kg		J	5BL,5CL
23C0071	LDW23-SS1054	23C0071-06	EPA 8270E-SIM	Pentachlorophenol	4.1	ug/kg	J	J	5BL
23C0071	LDW23-SS1054	23C0071-06	EPA 9060	Total Organic carbon (TOC)	2.63	%		J	8H
23C0071	LDW23-SC1054	23C0071-08	EPA 9060	Total Organic carbon (TOC)	2.91	%		J	8H
23C0071	LDW23-SC1048	23C0071-09	EPA 9060	Total Organic carbon (TOC)	2.7	%		J	8H
23C0071	LDW23-SC1036	23C0071-10	EPA 9060	Total Organic carbon (TOC)	1.64	%		J	8H
23C0071	BLC0109-BLK2	BLC0109-BLK2	EPA 8270E-SIM	1,2-Dichlorobenzene	0.8	ug/kg	J	U	7
23C0071	LDW23-SS1037DUP1	BLC0379-DUP1	EPA 1613B	1,2,3,4,7,8,9-HpCDF	3.39	ng/kg	EMPC	J	25
23C0071	LDW23-SS1037DUP1	BLC0379-DUP1	EPA 1613B	1,2,3,7,8,9-HxCDF	0.8	ng/kg	EMPC J	U	25
23C0071	LDW23-SS1037DUP1	BLC0379-DUP1	EPA 1613B	1,2,3,7,8-PeCDD	1.79	ng/kg	B	J	12H
23C0071	LDW23-SS1037DUP1	BLC0379-DUP1	EPA 1613B	1,2,3,7,8-PeCDF	0.979	ng/kg	J	J	12H
23C0071	LDW23-SS1037DUP1	BLC0379-DUP1	EPA 1613B	2,3,4,7,8-PeCDF	1.71	ng/kg		J	12H
23C0071	LDW23-SS1037DUP1	BLC0379-DUP1	EPA 1613B	2,3,7,8-TCDF	0.959	ng/kg	EMPC J	U	25
23C0071	LDW23-SS1037DUP1	BLC0379-DUP1	EPA 1613B	OCDF	118	ng/kg	*	J	9
23C0071	LDW23-SS1037DUP1	BLC0379-DUP1	EPA 1613B	Total HpCDF	126	ng/kg		J	9
23C0071	LDW23-SS1000DUP3	BLD0117-DUP3	EPA 9060	Total Organic carbon (TOC)	2.85	%		J	8H
23C0108	LDW23-SC1037	23C0108-01	EPA 9060	Total Organic carbon (TOC)	2.6	%		J	8H
23C0108	LDW23-SC1044	23C0108-02	EPA 8081B	Hexachlorobenzene	0.19	ug/kg	J	NJ	3,9
23C0108	LDW23-SC1044	23C0108-02	EPA 8270E	Benzo(g,h,i)perylene	20.8	ug/kg		J	5BL
23C0108	LDW23-SC1044	23C0108-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23C0108	LDW23-SC1044	23C0108-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	22.2	ug/kg		J	5BL
23C0108	LDW23-SC1044	23C0108-02	EPA 8270E-SIM	1,4-Dichlorobenzene	1.7	ug/kg	J	U	7
23C0108	LDW23-SC1044	23C0108-02	EPA 8270E-SIM	Benzoic acid	46.6	ug/kg	J	J	5BL
23C0108	LDW23-SC1044	23C0108-02	EPA 8270E-SIM	Pentachlorophenol	4.3	ug/kg	J	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0108	LDW23-SC1044	23C0108-02	EPA 9060	Total Organic carbon (TOC)	3.19	%		J	8H
23C0108	LDW23-SC1107	23C0108-03	EPA 9060	Total Organic carbon (TOC)	2.81	%		J	8H
23C0108	LDW23-SC1106	23C0108-04	EPA 9060	Total Organic carbon (TOC)	2.89	%		J	8H
23C0108	LDW23-SC1118	23C0108-05	EPA 9060	Total Organic carbon (TOC)	2.27	%		J	8H
23C0108	LDW23-SS1106	23C0108-06	EPA 8081B	Hexachlorobenzene	0.17	ug/kg	J	NJ	3
23C0108	LDW23-SS1106	23C0108-06	EPA 8270E	Benzo(g,h,i)perylene	26.5	ug/kg		J	5BL
23C0108	LDW23-SS1106	23C0108-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23C0108	LDW23-SS1106	23C0108-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	31.2	ug/kg		J	5BL
23C0108	LDW23-SS1106	23C0108-06	EPA 8270E-SIM	1,4-Dichlorobenzene	1.7	ug/kg	J	U	7
23C0108	LDW23-SS1106	23C0108-06	EPA 8270E-SIM	Benzoic acid	71.7	ug/kg	J	J	5BL
23C0108	LDW23-SS1106	23C0108-06	EPA 8270E-SIM	Pentachlorophenol	4.3	ug/kg	J	J	5BL
23C0108	LDW23-SS1106	23C0108-06	EPA 9060	Total Organic carbon (TOC)	2.83	%		J	8H
23C0108	LDW23-SS1107	23C0108-07	EPA 8081B	Hexachlorobenzene	0.21	ug/kg	J	J	19
23C0108	LDW23-SS1107	23C0108-07	EPA 8270E	Benzo(g,h,i)perylene	26	ug/kg		J	5BL
23C0108	LDW23-SS1107	23C0108-07	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23C0108	LDW23-SS1107	23C0108-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	30.6	ug/kg		J	5BL
23C0108	LDW23-SS1107	23C0108-07	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7
23C0108	LDW23-SS1107	23C0108-07	EPA 8270E-SIM	Benzoic acid	47.3	ug/kg	J	J	5BL
23C0108	LDW23-SS1107	23C0108-07	EPA 8270E-SIM	Pentachlorophenol	3.2	ug/kg	J	J	5BL
23C0108	LDW23-SS1107	23C0108-07	EPA 9060	Total Organic carbon (TOC)	2.96	%		J	8H
23C0108	LDW23-SS1111	23C0108-08	EPA 8081B	Hexachlorobenzene	0.21	ug/kg	J	NJ	3,19
23C0108	LDW23-SS1111	23C0108-08	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL,8L
23C0108	LDW23-SS1111	23C0108-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23C0108	LDW23-SS1111	23C0108-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	14.7	ug/kg	J	J	5BL,8L
23C0108	LDW23-SS1111	23C0108-08	EPA 8270E-SIM	1,4-Dichlorobenzene	1.5	ug/kg	J	U	7
23C0108	LDW23-SS1111	23C0108-08	EPA 8270E-SIM	Benzoic acid	84.1	ug/kg	J	J	5BL
23C0108	LDW23-SS1111	23C0108-08	EPA 8270E-SIM	Pentachlorophenol	5.5	ug/kg	J	J	5BL
23C0108	LDW23-SS1111	23C0108-08	EPA 9060	Total Organic carbon (TOC)	2.52	%		J	8H
23C0108	LDW23-SS1118	23C0108-09	EPA 8081B	Hexachlorobenzene	0.15	ug/kg	J	NJ	3,19
23C0108	LDW23-SS1118	23C0108-09	EPA 8270E	Benzo(g,h,i)perylene	17.4	ug/kg	J	J	5BL
23C0108	LDW23-SS1118	23C0108-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0108	LDW23-SS1118	23C0108-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	21.6	ug/kg	Q	J	5BL
23C0108	LDW23-SS1118	23C0108-09	EPA 8270E	Total benzofluoranthenes	432	ug/kg		J	5BH
23C0108	LDW23-SS1118	23C0108-09	EPA 8270E-SIM	1,4-Dichlorobenzene	2.1	ug/kg	J	U	7
23C0108	LDW23-SS1118	23C0108-09	EPA 8270E-SIM	Benzoic acid	74.6	ug/kg	J	J	5BL
23C0108	LDW23-SS1118	23C0108-09	EPA 8270E-SIM	Pentachlorophenol	6.1	ug/kg	J	J	5BL
23C0108	LDW23-SS1118	23C0108-09	EPA 9060	Total Organic carbon (TOC)	2.65	%		J	8H
23C0108	LDW23-SC1111	23C0108-10	EPA 9060	Total Organic carbon (TOC)	2.82	%		J	8H
23C0108	LDW23-SS1107DUP1	BLD0118-DUP1	EPA 9060	Total Organic carbon (TOC)	3	%		J	8H
23C0109	LDW23-SC1104	23C0109-01	EPA 9060	Total Organic carbon (TOC)	3.22	%		J	8H
23C0109	LDW23-SS1104	23C0109-02	EPA 6020	Chromium	32.6	mg/kg		J	9
23C0109	LDW23-SS1104	23C0109-02	EPA 6020	Copper	91.9	mg/kg	B	J	9
23C0109	LDW23-SS1104	23C0109-02	EPA 6020	Lead	32	mg/kg		J	8H
23C0109	LDW23-SS1104	23C0109-02	EPA 8081B	Hexachlorobenzene	0.16	ug/kg	J	NJ	3,19
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Acenaphthylene	6.2	ug/kg	J	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Benzo(a)anthracene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Benzo(a)pyrene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Bis(2-ethylhexyl)phthalate	67.5	ug/kg		DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Chrysene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Fluoranthene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Naphthalene		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Phenanthrene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Phenol	168	ug/kg		DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Pyrene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E	Total benzofluoranthenes		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E-SIM	Benzoic acid	67.7	ug/kg	J	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E-SIM	Benzyl alcohol	6.4	ug/kg	J	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23C0109	LDW23-SS1104	23C0109-02	EPA 9060	Total Organic carbon (TOC)	3	%		J	8H
23C0109	LDW23-SS1104	23C0109-02RE1	EPA 8270E	Benzo(g,h,i)perylene	86.9	ug/kg		J	5BL
23C0109	LDW23-SS1104	23C0109-02RE1	EPA 8270E	Dibenzo(a,h)anthracene	35	ug/kg		J	5BL
23C0109	LDW23-SS1104	23C0109-02RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	88.1	ug/kg		J	5BL
23C0109	LDW23-SS1104	23C0109-02RE1	EPA 8270E	Total benzofluoranthenes	705	ug/kg		J	5BH
23C0109	LDW23-SS1104	23C0109-02RE1	EPA 8270E-SIM	1,2-Dichlorobenzene	0.8	ug/kg	J	U	7
23C0109	LDW23-SS1104	23C0109-02RE1	EPA 8270E-SIM	1,4-Dichlorobenzene	2.7	ug/kg	J	U	7
23C0109	LDW23-SS1104	23C0109-02RE1	EPA 8270E-SIM	Benzoic acid	430	ug/kg	Q	J	5BL
23C0109	LDW23-SS1104	23C0109-02RE1	EPA 8270E-SIM	Pentachlorophenol	11.6	ug/kg	J	J	5BL
23C0109	LDW23-SS1105	23C0109-03	EPA 1613B	1,2,3,4,7,8-HxCDD	2.43	ng/kg	EMPC	J	25
23C0109	LDW23-SS1105	23C0109-03	EPA 1613B	1,2,3,7,8-PeCDD	2.72	ng/kg	EMPC B	J	12H,25
23C0109	LDW23-SS1105	23C0109-03	EPA 1613B	1,2,3,7,8-PeCDF	1.16	ng/kg		J	12H
23C0109	LDW23-SS1105	23C0109-03	EPA 1613B	2,3,4,7,8-PeCDF	2.92	ng/kg		J	12H
23C0109	LDW23-SS1105	23C0109-03	EPA 1613B	2,3,7,8-TCDD	0.59	ng/kg	EMPC J	U	25
23C0109	LDW23-SS1105	23C0109-03	EPA 1613B	2,3,7,8-TCDF	1.5	ng/kg	EMPC	J	25
23C0109	LDW23-SS1105	23C0109-03	EPA 1613B	OCDD	4550	ng/kg	E B	J	20
23C0109	LDW23-SS1105	23C0109-03	EPA 6020	Chromium	34.5	mg/kg		J	9
23C0109	LDW23-SS1105	23C0109-03	EPA 6020	Copper	88	mg/kg	B	J	9
23C0109	LDW23-SS1105	23C0109-03	EPA 6020	Lead	36	mg/kg		J	8H

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0109	LDW23-SS1105	23C0109-03	EPA 8081B	Hexachlorobenzene	0.19	ug/kg	J	NJ	3,19
23C0109	LDW23-SS1105	23C0109-03	EPA 8270E	Benzo(g,h,i)perylene	14.6	ug/kg	J	J	5BL
23C0109	LDW23-SS1105	23C0109-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23C0109	LDW23-SS1105	23C0109-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	17.9	ug/kg	J	J	5BL
23C0109	LDW23-SS1105	23C0109-03	EPA 8270E	Total benzofluoranthenes	337	ug/kg		J	5BH
23C0109	LDW23-SS1105	23C0109-03	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7
23C0109	LDW23-SS1105	23C0109-03	EPA 8270E-SIM	Benzoic acid	103	ug/kg	Q	J	5BL
23C0109	LDW23-SS1105	23C0109-03	EPA 8270E-SIM	Pentachlorophenol	2.7	ug/kg	J	J	5BL
23C0109	LDW23-SS1105	23C0109-03	EPA 9060	Total Organic carbon (TOC)	2.97	%		J	8H
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	2-Methylnaphthalene	5.1	ug/kg	H J	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	4-Methylphenol	11.5	ug/kg	H J	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Acenaphthene	5.5	ug/kg	H J	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Acenaphthylene	7.8	ug/kg	H J	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Anthracene	39.8	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Benzo(a)anthracene	124	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Benzo(a)pyrene	98.3	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Benzo(g,h,i)perylene	27.7	ug/kg	H Q	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	65.5	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	H U	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Chrysene	196	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	H U	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Dibenzofuran		ug/kg	H U	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Dimethyl phthalate	6.7	ug/kg	H J	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Fluoranthene	91.1	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Fluorene		ug/kg	H U	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	28.7	ug/kg	H Q	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Naphthalene	8.4	ug/kg	H J	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Phenanthrene	58.8	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Phenol	1830	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Pyrene	85.4	ug/kg	H	DNR	11
23C0109	LDW23-SS1105	23C0109-03RE1	EPA 8270E	Total benzofluoranthenes	297	ug/kg	H	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	4-Methylphenol	3840	ug/kg	* E	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Acenaphthene		ug/kg	U	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Anthracene	35.2	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Benzo(a)anthracene	130	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Benzo(a)pyrene	98.1	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Benzo(g,h,i)perylene	38.9	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Bis(2-ethylhexyl)phthalate	66.9	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Chrysene	189	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Dimethyl phthalate	7.5	ug/kg	J	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Fluoranthene	94.7	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Fluorene		ug/kg	U	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Indeno(1,2,3-cd)pyrene	38.2	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Naphthalene	8.4	ug/kg	J	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Phenanthrene	60	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Phenol	5290	ug/kg	* E	DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Pyrene	88.1	ug/kg		DNR	14
23C0109	LDW23-SS1105MS4	BLC0185-MS4	EPA 8270E	Total benzofluoranthenes	278	ug/kg		DNR	14
23C0752	LDW23-SS1026	23C0752-01	EPA 6020	Silver	0.34	mg/kg	J	J	9
23C0752	LDW23-SS1026	23C0752-01	EPA 8270E	Benzo(g,h,i)perylene	55.9	ug/kg	Q	J	5BL
23C0752	LDW23-SS1026	23C0752-01	EPA 8270E	Fluoranthene	168	ug/kg	Q	J	5BL
23C0752	LDW23-SS1026	23C0752-01	EPA 8270E	Naphthalene	13	ug/kg	J	U	7
23C0752	LDW23-SS1026	23C0752-01	EPA 8270E	Phenol	28.1	ug/kg		U	7
23C0752	LDW23-SS1026	23C0752-01	EPA 8270E	Pyrene	158	ug/kg	Q	J	5BL
23C0752	LDW23-SS1026	23C0752-01	EPA 8270E-SIM	Benzoic acid	72.5	ug/kg	J	J	5BL,5CL
23C0752	LDW23-SS1026	23C0752-01	EPA 8270E-SIM	Pentachlorophenol	6.4	ug/kg	J	J	5BL
23C0752	LDW23-SS1026	23C0752-01	EPA 9060	Total Organic carbon (TOC)	2.32	%		J	8H

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0752	LDW23-SS1125	23C0752-02	EPA 6020	Silver	0.29	mg/kg	J	J	9
23C0752	LDW23-SS1125	23C0752-02	EPA 8270E	Benzo(g,h,i)perylene	61.8	ug/kg	Q	J	5BL
23C0752	LDW23-SS1125	23C0752-02	EPA 8270E	Fluoranthene	131	ug/kg	Q	J	5BL
23C0752	LDW23-SS1125	23C0752-02	EPA 8270E	Naphthalene	14.6	ug/kg	J	U	7
23C0752	LDW23-SS1125	23C0752-02	EPA 8270E	Phenol	30.6	ug/kg		U	7
23C0752	LDW23-SS1125	23C0752-02	EPA 8270E	Pyrene	165	ug/kg	Q	J	5BL
23C0752	LDW23-SS1125	23C0752-02	EPA 8270E-SIM	Benzoic acid	76.1	ug/kg	J	J	5BL,5CL
23C0752	LDW23-SS1125	23C0752-02	EPA 8270E-SIM	Pentachlorophenol	4.5	ug/kg	J	J	5BL
23C0752	LDW23-SS1125	23C0752-02	EPA 9060	Total Organic carbon (TOC)	2.29	%		J	8H
23C0752	LDW23-SS1132	23C0752-03	EPA 6020	Silver	0.23	mg/kg	J	J	9
23C0752	LDW23-SS1132	23C0752-03	EPA 8270E	Benzo(g,h,i)perylene	64.8	ug/kg	Q	J	5BL
23C0752	LDW23-SS1132	23C0752-03	EPA 8270E	Fluoranthene	220	ug/kg	Q	J	5BL
23C0752	LDW23-SS1132	23C0752-03	EPA 8270E	Naphthalene	11.5	ug/kg	J	U	7
23C0752	LDW23-SS1132	23C0752-03	EPA 8270E	Phenol	11.2	ug/kg	J	U	7
23C0752	LDW23-SS1132	23C0752-03	EPA 8270E	Pyrene	202	ug/kg	Q	J	5BL
23C0752	LDW23-SS1132	23C0752-03	EPA 8270E-SIM	Benzoic acid	71.1	ug/kg	J	J	5BL,5CL
23C0752	LDW23-SS1132	23C0752-03	EPA 8270E-SIM	Pentachlorophenol	2.9	ug/kg	J	J	5BL
23C0752	LDW23-SS1132	23C0752-03	EPA 9060	Total Organic carbon (TOC)	3.15	%		J	8H
23C0752	LDW23-SS1810	23C0752-04	EPA 6020	Silver	0.28	mg/kg	J	J	9
23C0752	LDW23-SS1810	23C0752-04	EPA 8270E	Benzo(g,h,i)perylene	99.3	ug/kg	Q	J	5BL,8L
23C0752	LDW23-SS1810	23C0752-04	EPA 8270E	Chrysene	218	ug/kg		J	8L
23C0752	LDW23-SS1810	23C0752-04	EPA 8270E	Fluoranthene	233	ug/kg	Q	J	5BL,8L
23C0752	LDW23-SS1810	23C0752-04	EPA 8270E	Naphthalene	10.8	ug/kg	J	U	7
23C0752	LDW23-SS1810	23C0752-04	EPA 8270E	Phenol	11.6	ug/kg	J	U	7
23C0752	LDW23-SS1810	23C0752-04	EPA 8270E	Pyrene	242	ug/kg	Q	J	5BL,8L
23C0752	LDW23-SS1810	23C0752-04	EPA 8270E-SIM	Benzoic acid	32.8	ug/kg	J	J	5BL,5CL
23C0752	LDW23-SS1810	23C0752-04	EPA 8270E-SIM	Pentachlorophenol	3.2	ug/kg	J	J	5BL
23C0752	LDW23-SS1810	23C0752-04	EPA 9060	Total Organic carbon (TOC)	2.07	%		J	8H
23C0752	LDW23-SC1810	23C0752-05	EPA 8082A	Aroclor-1016		ug/kg	U	UJ	8L
23C0752	LDW23-SC1810	23C0752-05	EPA 8082A	Aroclor-1260	53.2	ug/kg		J	9
23C0752	LDW23-SC1810	23C0752-05	EPA 9060	Total Organic carbon (TOC)	2.3	%		J	8H

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0752	LDW23-SS1809	23C0752-06	EPA 6020	Silver	0.29	mg/kg	J	J	9
23C0752	LDW23-SS1809	23C0752-06	EPA 8082A	Aroclor-1254	1180	ug/kg	P1 D	NJ	3
23C0752	LDW23-SS1809	23C0752-06	EPA 8270E	Benzo(g,h,i)perylene	103	ug/kg	Q	J	5BL
23C0752	LDW23-SS1809	23C0752-06	EPA 8270E	Fluoranthene	460	ug/kg	Q	J	5BL
23C0752	LDW23-SS1809	23C0752-06	EPA 8270E	Naphthalene	14.2	ug/kg	J	U	7
23C0752	LDW23-SS1809	23C0752-06	EPA 8270E	Phenol	12.7	ug/kg	J	U	7
23C0752	LDW23-SS1809	23C0752-06	EPA 8270E	Pyrene	336	ug/kg	Q	J	5BL
23C0752	LDW23-SS1809	23C0752-06	EPA 8270E-SIM	Benzoic acid	80.3	ug/kg	J	J	5BL,5CL
23C0752	LDW23-SS1809	23C0752-06	EPA 8270E-SIM	Pentachlorophenol	3.1	ug/kg	J	J	5BL
23C0752	LDW23-SS1809	23C0752-06	EPA 9060	Total Organic carbon (TOC)	2.53	%		J	8H
23C0752	LDW23-SC1809	23C0752-07	EPA 9060	Total Organic carbon (TOC)	2.15	%		J	8H
23C0752	LDW23-SS1026DUP1	BLE0415-DUP1	EPA 9060	Total Organic carbon (TOC)	2.4	%		J	8H
23C0774	LDW23-SC1053A	23C0774-01	EPA 6020	Silver	0.27	mg/kg	J	J	9
23C0774	LDW23-SC1053A	23C0774-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	38.4	ug/kg	J	J	10L,12L
23C0774	LDW23-SC1053A	23C0774-01	EPA 8270E	Fluoranthene	137	ug/kg		J	5BL
23C0774	LDW23-SC1053A	23C0774-01	EPA 8270E	Phenol	47.2	ug/kg	Q	J	5BL
23C0774	LDW23-SC1053A	23C0774-01	EPA 8270E	Pyrene	142	ug/kg	Q	J	5BL
23C0774	LDW23-SC1053A	23C0774-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.2	ug/kg	J	U	7
23C0774	LDW23-SC1053A	23C0774-01	EPA 8270E-SIM	Benzoic acid	145	ug/kg		J	5BL,5CL
23C0774	LDW23-SC1053A	23C0774-01	EPA 8270E-SIM	Pentachlorophenol	24.9	ug/kg		J	5BL
23C0774	LDW23-SC1053A	23C0774-01	EPA 9060	Total Organic carbon (TOC)	2.41	%		J	8H
23C0774	LDW23-SC1053B	23C0774-02	EPA 6020	Silver	0.22	mg/kg	J	J	9
23C0774	LDW23-SC1053B	23C0774-02	EPA 8270E	Bis(2-ethylhexyl)phthalate	46.6	ug/kg	J	J	10L,12L
23C0774	LDW23-SC1053B	23C0774-02	EPA 8270E	Fluoranthene	157	ug/kg		J	5BL
23C0774	LDW23-SC1053B	23C0774-02	EPA 8270E	Phenol	25.2	ug/kg	Q	UJ	5BL,7
23C0774	LDW23-SC1053B	23C0774-02	EPA 8270E	Pyrene	149	ug/kg	Q	J	5BL
23C0774	LDW23-SC1053B	23C0774-02	EPA 8270E-SIM	1,4-Dichlorobenzene	1.6	ug/kg	J	U	7
23C0774	LDW23-SC1053B	23C0774-02	EPA 8270E-SIM	Benzoic acid	70	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1053B	23C0774-02	EPA 8270E-SIM	Pentachlorophenol	5.4	ug/kg	J	J	5BL
23C0774	LDW23-SC1053B	23C0774-02	EPA 9060	Total Organic carbon (TOC)	3.71	%		J	8H
23C0774	LDW23-SC1007A	23C0774-03	EPA 6020	Silver	0.24	mg/kg	J	J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0774	LDW23-SC1007A	23C0774-03	EPA 8270E	Bis(2-ethylhexyl)phthalate	34.5	ug/kg	J	J	10L,12L
23C0774	LDW23-SC1007A	23C0774-03	EPA 8270E	Fluoranthene	145	ug/kg		J	5BL
23C0774	LDW23-SC1007A	23C0774-03	EPA 8270E	Phenol	21.7	ug/kg	Q	UJ	5BL,7
23C0774	LDW23-SC1007A	23C0774-03	EPA 8270E	Pyrene	169	ug/kg	Q	J	5BL
23C0774	LDW23-SC1007A	23C0774-03	EPA 8270E-SIM	1,4-Dichlorobenzene	1.2	ug/kg	J	U	7
23C0774	LDW23-SC1007A	23C0774-03	EPA 8270E-SIM	Benzoic acid	39.8	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1007A	23C0774-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SC1007A	23C0774-03	EPA 9060	Total Organic carbon (TOC)	2.14	%		J	8H
23C0774	LDW23-SC1002A	23C0774-04	EPA 6020	Silver	0.34	mg/kg	J	J	9
23C0774	LDW23-SC1002A	23C0774-04	EPA 8270E	Bis(2-ethylhexyl)phthalate	42.3	ug/kg	J	J	10L,12L
23C0774	LDW23-SC1002A	23C0774-04	EPA 8270E	Fluoranthene	147	ug/kg		J	5BL
23C0774	LDW23-SC1002A	23C0774-04	EPA 8270E	Phenol	202	ug/kg	Q	J	5BL
23C0774	LDW23-SC1002A	23C0774-04	EPA 8270E	Pyrene	184	ug/kg	Q	J	5BL
23C0774	LDW23-SC1002A	23C0774-04	EPA 8270E-SIM	1,4-Dichlorobenzene	2.6	ug/kg	J	U	7
23C0774	LDW23-SC1002A	23C0774-04	EPA 8270E-SIM	Benzoic acid	36.2	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1002A	23C0774-04	EPA 8270E-SIM	Pentachlorophenol	3.4	ug/kg	J	J	5BL
23C0774	LDW23-SC1002A	23C0774-04	EPA 9060	Total Organic carbon (TOC)	2.38	%		J	8H
23C0774	LDW23-SC1002B	23C0774-05	EPA 6020	Silver	0.27	mg/kg	J	J	9
23C0774	LDW23-SC1002B	23C0774-05	EPA 8270E	Bis(2-ethylhexyl)phthalate	45	ug/kg	J	J	10L,12L
23C0774	LDW23-SC1002B	23C0774-05	EPA 8270E	Fluoranthene	108	ug/kg		J	5BL
23C0774	LDW23-SC1002B	23C0774-05	EPA 8270E	Phenol	9.5	ug/kg	J	UJ	5BL,7
23C0774	LDW23-SC1002B	23C0774-05	EPA 8270E	Pyrene	119	ug/kg	Q	J	5BL
23C0774	LDW23-SC1002B	23C0774-05	EPA 8270E-SIM	1,4-Dichlorobenzene	2.4	ug/kg	J	U	7
23C0774	LDW23-SC1002B	23C0774-05	EPA 8270E-SIM	Benzoic acid	35.4	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1002B	23C0774-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SC1002B	23C0774-05	EPA 9060	Total Organic carbon (TOC)	2.34	%		J	8H
23C0774	LDW23-SC1046A	23C0774-06	EPA 6020	Silver	0.21	mg/kg	J	J	9
23C0774	LDW23-SC1046A	23C0774-06	EPA 8270E	Bis(2-ethylhexyl)phthalate	37.2	ug/kg	J	J	10L,12L
23C0774	LDW23-SC1046A	23C0774-06	EPA 8270E	Fluoranthene	86.7	ug/kg		J	5BL
23C0774	LDW23-SC1046A	23C0774-06	EPA 8270E	Phenol	14.8	ug/kg	J	UJ	5BL,7
23C0774	LDW23-SC1046A	23C0774-06	EPA 8270E	Pyrene	95.5	ug/kg	Q	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0774	LDW23-SC1046A	23C0774-06	EPA 8270E-SIM	1,4-Dichlorobenzene	1.6	ug/kg	J	U	7
23C0774	LDW23-SC1046A	23C0774-06	EPA 8270E-SIM	Benzoic acid	30.6	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1046A	23C0774-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SC1046A	23C0774-06	EPA 9060	Total Organic carbon (TOC)	2.38	%		J	8H
23C0774	LDW23-SC1046B	23C0774-07	EPA 6020	Silver	0.23	mg/kg	J	J	9
23C0774	LDW23-SC1046B	23C0774-07	EPA 8270E	Benzo(g,h,i)perylene	51.3	ug/kg		J	5BL
23C0774	LDW23-SC1046B	23C0774-07	EPA 8270E	Bis(2-ethylhexyl)phthalate	38.1	ug/kg	J	J	8L,10L,12L
23C0774	LDW23-SC1046B	23C0774-07	EPA 8270E	Fluoranthene	99.2	ug/kg	Q	J	5BL
23C0774	LDW23-SC1046B	23C0774-07	EPA 8270E	Phenol	9.2	ug/kg	J	U	7
23C0774	LDW23-SC1046B	23C0774-07	EPA 8270E	Pyrene	115	ug/kg		J	5BL
23C0774	LDW23-SC1046B	23C0774-07	EPA 8270E-SIM	1,4-Dichlorobenzene	1.5	ug/kg	J	U	7
23C0774	LDW23-SC1046B	23C0774-07	EPA 8270E-SIM	Benzoic acid	34.2	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1046B	23C0774-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SC1046B	23C0774-07	EPA 9060	Total Organic carbon (TOC)	2.36	%		J	8H
23C0774	LDW23-SC1177A	23C0774-08	EPA 6020	Silver	0.27	mg/kg	J	J	9
23C0774	LDW23-SC1177A	23C0774-08	EPA 8270E	Benzo(g,h,i)perylene	133	ug/kg		J	5BL
23C0774	LDW23-SC1177A	23C0774-08	EPA 8270E	Bis(2-ethylhexyl)phthalate	45.9	ug/kg	J	J	10L,12L
23C0774	LDW23-SC1177A	23C0774-08	EPA 8270E	Fluoranthene	306	ug/kg	Q	J	5BL
23C0774	LDW23-SC1177A	23C0774-08	EPA 8270E	Phenol	12.3	ug/kg	J	U	7
23C0774	LDW23-SC1177A	23C0774-08	EPA 8270E	Pyrene	366	ug/kg		J	5BL
23C0774	LDW23-SC1177A	23C0774-08	EPA 8270E-SIM	1,4-Dichlorobenzene	3	ug/kg	J	U	7
23C0774	LDW23-SC1177A	23C0774-08	EPA 8270E-SIM	Benzoic acid	28.3	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1177A	23C0774-08	EPA 8270E-SIM	Pentachlorophenol	3.2	ug/kg	J	J	5BL
23C0774	LDW23-SC1177A	23C0774-08	EPA 9060	Total Organic carbon (TOC)	2.44	%		J	8H
23C0774	LDW23-SC1177B	23C0774-09	EPA 6020	Silver	0.23	mg/kg	J	J	9
23C0774	LDW23-SC1177B	23C0774-09	EPA 8270E	Benzo(g,h,i)perylene	75.2	ug/kg		J	5BL
23C0774	LDW23-SC1177B	23C0774-09	EPA 8270E	Bis(2-ethylhexyl)phthalate	50.6	ug/kg		J	10L,12L
23C0774	LDW23-SC1177B	23C0774-09	EPA 8270E	Fluoranthene	151	ug/kg	Q	J	5BL
23C0774	LDW23-SC1177B	23C0774-09	EPA 8270E	Phenol	10.6	ug/kg	J	U	7
23C0774	LDW23-SC1177B	23C0774-09	EPA 8270E	Pyrene	268	ug/kg		J	5BL
23C0774	LDW23-SC1177B	23C0774-09	EPA 8270E-SIM	1,4-Dichlorobenzene	2.7	ug/kg	J	U	7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0774	LDW23-SC1177B	23C0774-09	EPA 8270E-SIM	Benzoic acid	20.8	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1177B	23C0774-09	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SC1177B	23C0774-09	EPA 9060	Total Organic carbon (TOC)	2.22	%		J	8H
23C0774	LDW23-SC1156B	23C0774-10	EPA 6020	Silver	0.38	mg/kg		J	9
23C0774	LDW23-SC1156B	23C0774-10	EPA 8270E	Benzo(g,h,i)perylene	82.1	ug/kg		J	5BL
23C0774	LDW23-SC1156B	23C0774-10	EPA 8270E	Bis(2-ethylhexyl)phthalate	72.1	ug/kg		J	10L,12L
23C0774	LDW23-SC1156B	23C0774-10	EPA 8270E	Fluoranthene	175	ug/kg	Q	J	5BL
23C0774	LDW23-SC1156B	23C0774-10	EPA 8270E	Phenol	8.8	ug/kg	J	U	7
23C0774	LDW23-SC1156B	23C0774-10	EPA 8270E	Pyrene	307	ug/kg		J	5BL
23C0774	LDW23-SC1156B	23C0774-10	EPA 8270E-SIM	1,4-Dichlorobenzene	2.7	ug/kg	J	U	7
23C0774	LDW23-SC1156B	23C0774-10	EPA 8270E-SIM	Benzoic acid	16.5	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1156B	23C0774-10	EPA 8270E-SIM	Pentachlorophenol	3.6	ug/kg	J	J	5BL
23C0774	LDW23-SC1156B	23C0774-10	EPA 9060	Total Organic carbon (TOC)	1.52	%		J	8H
23C0774	LDW23-SC1183A	23C0774-11	EPA 6020	Silver	0.25	mg/kg	J	J	9
23C0774	LDW23-SC1183A	23C0774-11	EPA 8270E	Benzo(g,h,i)perylene	56.6	ug/kg		J	5BL
23C0774	LDW23-SC1183A	23C0774-11	EPA 8270E	Bis(2-ethylhexyl)phthalate	57.2	ug/kg		J	10L,12L
23C0774	LDW23-SC1183A	23C0774-11	EPA 8270E	Fluoranthene	113	ug/kg	Q	J	5BL
23C0774	LDW23-SC1183A	23C0774-11	EPA 8270E	Phenol	10.1	ug/kg	J	U	7
23C0774	LDW23-SC1183A	23C0774-11	EPA 8270E	Pyrene	139	ug/kg		J	5BL
23C0774	LDW23-SC1183A	23C0774-11	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	U	7
23C0774	LDW23-SC1183A	23C0774-11	EPA 8270E-SIM	Benzoic acid	15.6	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SC1183A	23C0774-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SC1183A	23C0774-11	EPA 9060	Total Organic carbon (TOC)	2.18	%		J	8H
23C0774	LDW23-SC1183B	23C0774-12	EPA 6020	Silver	0.27	mg/kg	J	J	9
23C0774	LDW23-SC1183B	23C0774-12	EPA 8270E	Benzo(g,h,i)perylene	83.4	ug/kg		J	5BL
23C0774	LDW23-SC1183B	23C0774-12	EPA 8270E	Bis(2-ethylhexyl)phthalate	65.7	ug/kg		J	10L,12L
23C0774	LDW23-SC1183B	23C0774-12	EPA 8270E	Fluoranthene	209	ug/kg	Q	J	5BL
23C0774	LDW23-SC1183B	23C0774-12	EPA 8270E	Phenol	9.1	ug/kg	J	U	7
23C0774	LDW23-SC1183B	23C0774-12	EPA 8270E	Pyrene	260	ug/kg		J	5BL
23C0774	LDW23-SC1183B	23C0774-12	EPA 8270E-SIM	1,4-Dichlorobenzene	2	ug/kg	J	U	7
23C0774	LDW23-SC1183B	23C0774-12	EPA 8270E-SIM	Benzoic acid	15.1	ug/kg	J	J	5BL,5CL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23C0774	LDW23-SC1183B	23C0774-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SC1183B	23C0774-12	EPA 9060	Total Organic carbon (TOC)	2.49	%		J	8H
23C0774	LDW23-SC1183C	23C0774-13	EPA 6020	Silver	0.27	mg/kg	J	J	9
23C0774	LDW23-SC1183C	23C0774-13	EPA 8270E	Benzo(g,h,i)perylene	110	ug/kg		J	5BL
23C0774	LDW23-SC1183C	23C0774-13	EPA 8270E	Bis(2-ethylhexyl)phthalate	61.4	ug/kg		J	10L,12L
23C0774	LDW23-SC1183C	23C0774-13	EPA 8270E	Fluoranthene	212	ug/kg	Q	J	5BL
23C0774	LDW23-SC1183C	23C0774-13	EPA 8270E	Phenol	8	ug/kg	J	U	7
23C0774	LDW23-SC1183C	23C0774-13	EPA 8270E	Pyrene	334	ug/kg		J	5BL
23C0774	LDW23-SC1183C	23C0774-13	EPA 8270E-SIM	1,4-Dichlorobenzene	2	ug/kg	J	U	7
23C0774	LDW23-SC1183C	23C0774-13	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,5CL
23C0774	LDW23-SC1183C	23C0774-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SC1183C	23C0774-13	EPA 9060	Total Organic carbon (TOC)	1.89	%		J	8H
23C0774	LDW23-SS1808	23C0774-14	EPA 6020	Silver	0.23	mg/kg	J	J	9
23C0774	LDW23-SS1808	23C0774-14	EPA 8270E	Benzo(g,h,i)perylene	86.4	ug/kg		J	5BL
23C0774	LDW23-SS1808	23C0774-14	EPA 8270E	Bis(2-ethylhexyl)phthalate	66.7	ug/kg		J	10L,12L
23C0774	LDW23-SS1808	23C0774-14	EPA 8270E	Fluoranthene	347	ug/kg	Q	J	5BL
23C0774	LDW23-SS1808	23C0774-14	EPA 8270E	Pyrene	326	ug/kg		J	5BL
23C0774	LDW23-SS1808	23C0774-14	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	U	7
23C0774	LDW23-SS1808	23C0774-14	EPA 8270E-SIM	Benzoic acid	18.1	ug/kg	J	J	5BL,5CL
23C0774	LDW23-SS1808	23C0774-14	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23C0774	LDW23-SS1808	23C0774-14	EPA 9060	Total Organic carbon (TOC)	2.46	%		J	8H
23C0774	LDW23-SC1808	23C0774-15	EPA 9060	Total Organic carbon (TOC)	2.59	%		J	8H
23C0774	LDW23-SC1053ADUP1	BLD0365-DUP1	EPA 6020	Silver	0.22	mg/kg	J	J	9
23C0774	LDW23-SC1053ADUP3	BLE0414-DUP3	EPA 9060	Total Organic carbon (TOC)	2.61	%		J	8H
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	1,2,3,4,6,7,8-HpCDD	444	ng/kg	B	J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	1,2,3,4,6,7,8-HpCDF	39.4	ng/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	1,2,3,6,7,8-HxCDD	13.5	ng/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	1,2,3,6,7,8-HxCDF	1.78	ng/kg	EMPC	J	25
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	2,3,4,7,8-PeCDF	1.59	ng/kg	EMPC	J	25
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	2,3,7,8-TCDD	0.44	ng/kg	EMPC J	U	25
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	OCDD	3530	ng/kg	B	J	9

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	OCDF	130	ng/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	Total HpCDD	2210	ng/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	Total HpCDF	140	ng/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	Total HxCDD	158	ng/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	Total PeCDD	6.23	ng/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 1613B	Total PeCDF	27.1	ng/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 6020	Chromium	25.1	mg/kg		J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 6020	Silver	0.22	mg/kg	J	J	9
23D0008	LDW23-SS1816	23D0008-01	EPA 8270E	Benzo(g,h,i)perylene	78.6	ug/kg		J	5BL
23D0008	LDW23-SS1816	23D0008-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	45.3	ug/kg	J	J	10L,12L
23D0008	LDW23-SS1816	23D0008-01	EPA 8270E	Fluoranthene	219	ug/kg	Q	J	5BL
23D0008	LDW23-SS1816	23D0008-01	EPA 8270E	Phenol	10.4	ug/kg	J	U	7
23D0008	LDW23-SS1816	23D0008-01	EPA 8270E	Pyrene	720	ug/kg		J	5BL
23D0008	LDW23-SS1816	23D0008-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.1	ug/kg	J	U	7
23D0008	LDW23-SS1816	23D0008-01	EPA 8270E-SIM	Benzoic acid	14.1	ug/kg	J	J	5BL,5CL
23D0008	LDW23-SS1816	23D0008-01	EPA 8270E-SIM	Pentachlorophenol	3.8	ug/kg	J	J	5BL
23D0008	LDW23-SS1816	23D0008-01	EPA 9060	Total Organic carbon (TOC)	2.15	%		J	8H
23D0008	LDW23-SC1816	23D0008-02	EPA 9060	Total Organic carbon (TOC)	1.96	%		J	8H
23D0008	LDW23-SS1817	23D0008-03	EPA 6020	Chromium	27.5	mg/kg		J	9
23D0008	LDW23-SS1817	23D0008-03	EPA 6020	Silver	0.25	mg/kg	J	J	9
23D0008	LDW23-SS1817	23D0008-03	EPA 8270E	Benzo(g,h,i)perylene	91.2	ug/kg		J	5BL
23D0008	LDW23-SS1817	23D0008-03	EPA 8270E	Bis(2-ethylhexyl)phthalate	51.2	ug/kg		J	10L,12L
23D0008	LDW23-SS1817	23D0008-03	EPA 8270E	Fluoranthene	347	ug/kg	Q	J	5BL
23D0008	LDW23-SS1817	23D0008-03	EPA 8270E	Phenol	15.4	ug/kg	J	U	7
23D0008	LDW23-SS1817	23D0008-03	EPA 8270E	Pyrene	451	ug/kg		J	5BL
23D0008	LDW23-SS1817	23D0008-03	EPA 8270E-SIM	1,4-Dichlorobenzene	1.8	ug/kg	J	U	7
23D0008	LDW23-SS1817	23D0008-03	EPA 8270E-SIM	Benzoic acid	22.9	ug/kg	J	J	5BL,5CL
23D0008	LDW23-SS1817	23D0008-03	EPA 8270E-SIM	Pentachlorophenol	3.5	ug/kg	J	J	5BL
23D0008	LDW23-SS1817	23D0008-03	EPA 9060	Total Organic carbon (TOC)	2.88	%		J	8H
23D0008	LDW23-SC1817	23D0008-04	EPA 9060	Total Organic carbon (TOC)	2.62	%		J	8H
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	1,2,3,4,6,7,8-HpCDD	308	ng/kg	* B	J	9

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	1,2,3,4,6,7,8-HpCDF	30.5	ng/kg	*	J	9
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	1,2,3,4,7,8,9-HpCDF	2.77	ng/kg	EMPC	J	25
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	1,2,3,6,7,8-HxCDD	7.89	ng/kg	*	J	9
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	1,2,3,7,8,9-HxCDF	1.02	ng/kg	* EMPC	J	25
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	2,3,4,7,8-PeCDF	1.47	ng/kg	EMPC	J	25
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	2,3,7,8-TCDD	0.357	ng/kg	EMPC J	U	25
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	OCDD	2680	ng/kg	* B	J	9
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	OCDF	97.5	ng/kg	*	J	9
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	Total HpCDD	1580	ng/kg		J	9
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	Total HpCDF	108	ng/kg		J	9
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	Total HxCDD	121	ng/kg		J	9
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	Total PeCDD	3.36	ng/kg		J	9
23D0008	LDW23-SS1816DUP1	BLD0089-DUP1	EPA 1613B	Total PeCDF	19.8	ng/kg		J	9
23D0037	LDW23-SS1812	23D0037-01	EPA 8081B	Hexachlorobenzene	0.24	ug/kg	P1 J	J	3
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Benzo(g,h,i)perylene	262	ug/kg		J	5BL
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Chrysene	2350	ug/kg	E	DNR	20
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Dibenzo(a,h)anthracene	92.2	ug/kg		J	5BL
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Fluoranthene	4070	ug/kg	E	DNR	20
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	292	ug/kg		J	5BL
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Phenanthrene	2920	ug/kg	E	DNR	20
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Phenol	29.3	ug/kg	B	U	7
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Pyrene	3470	ug/kg	E	DNR	20
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E	Total benzofluoranthenes	3310	ug/kg		J	5BH
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	U	7
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E-SIM	Benzoic acid	76.6	ug/kg	J	J	5BL
23D0037	LDW23-SS1812	23D0037-01	EPA 8270E-SIM	Pentachlorophenol	14	ug/kg	J	J	5BL
23D0037	LDW23-SS1812	23D0037-01	EPA 9060	Total Organic carbon (TOC)	2.3	%		J	8H
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	2-Methylnaphthalene	99.7	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Acenaphthene	483	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Acenaphthylene	108	ug/kg	D	DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Anthracene	742	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Benzo(a)anthracene	1890	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Benzo(a)pyrene	1360	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Benzo(g,h,i)perylene	386	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate		ug/kg	U	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Dibenzo(a,h)anthracene	168	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Dibenzofuran	228	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Dimethyl phthalate	32.9	ug/kg	J D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Fluorene	318	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	402	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Naphthalene	134	ug/kg	D	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Phenol	25.2	ug/kg	J D B	DNR	11
23D0037	LDW23-SS1812	23D0037-01RE1	EPA 8270E	Total benzofluoranthenes	3070	ug/kg	D	DNR	11
23D0037	LDW23-IT1812	23D0037-02	EPA 8270E-SIM	Benzo(a)anthracene	3900	ug/kg	D E	DNR	20
23D0037	LDW23-IT1812	23D0037-02	EPA 8270E-SIM	Benzo(a)pyrene	2370	ug/kg	D E	DNR	20
23D0037	LDW23-IT1812	23D0037-02	EPA 8270E-SIM	Benzo(b)fluoranthene	2720	ug/kg	D E	DNR	20
23D0037	LDW23-IT1812	23D0037-02	EPA 8270E-SIM	Benzo(k)fluoranthene	1630	ug/kg	D E	DNR	20
23D0037	LDW23-IT1812	23D0037-02	EPA 8270E-SIM	Chrysene	6360	ug/kg	D E	DNR	20
23D0037	LDW23-IT1812	23D0037-02	EPA 9060	Total Organic carbon (TOC)	2.05	%		J	8H
23D0037	LDW23-IT1812	23D0037-02RE1	EPA 8270E-SIM	Dibenzo(a,h)anthracene	302	ug/kg	D	DNR	11
23D0037	LDW23-IT1812	23D0037-02RE1	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	939	ug/kg	D	DNR	11
23D0037	LDW23-SS1813	23D0037-03	EPA 8081B	Hexachlorobenzene	0.25	ug/kg	J	J	19
23D0037	LDW23-SS1813	23D0037-03	EPA 8270E	Benzo(g,h,i)perylene	184	ug/kg	D	J	5BL
23D0037	LDW23-SS1813	23D0037-03	EPA 8270E	Dibenzo(a,h)anthracene	79.7	ug/kg	J D	J	5BL
23D0037	LDW23-SS1813	23D0037-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	225	ug/kg	D	J	5BL
23D0037	LDW23-SS1813	23D0037-03	EPA 8270E	Phenol	21.8	ug/kg	J D B	U	7
23D0037	LDW23-SS1813	23D0037-03	EPA 8270E	Total benzofluoranthenes	3180	ug/kg	D	J	5BH
23D0037	LDW23-SS1813	23D0037-03	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0037	LDW23-SS1813	23D0037-03	EPA 8270E-SIM	Pentachlorophenol	15.4	ug/kg	J D	J	5BL
23D0037	LDW23-SS1813	23D0037-03	EPA 9060	Total Organic carbon (TOC)	1.52	%		J	8H

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0037	LDW23-IT1813	23D0037-04	EPA 8270E-SIM	Chrysene	1500	ug/kg	D E	DNR	20
23D0037	LDW23-IT1813	23D0037-04	EPA 9060	Total Organic carbon (TOC)	2.52	%		J	8H
23D0037	LDW23-IT1813	23D0037-04RE1	EPA 8270E-SIM	Benzo(a)anthracene	916	ug/kg	D	DNR	11
23D0037	LDW23-IT1813	23D0037-04RE1	EPA 8270E-SIM	Benzo(a)pyrene	636	ug/kg	D	DNR	11
23D0037	LDW23-IT1813	23D0037-04RE1	EPA 8270E-SIM	Benzo(b)fluoranthene	765	ug/kg	D	DNR	11
23D0037	LDW23-IT1813	23D0037-04RE1	EPA 8270E-SIM	Benzo(k)fluoranthene	421	ug/kg	D	DNR	11
23D0037	LDW23-IT1813	23D0037-04RE1	EPA 8270E-SIM	Dibenzo(a,h)anthracene	94.7	ug/kg	D	DNR	11
23D0037	LDW23-IT1813	23D0037-04RE1	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	312	ug/kg	D	DNR	11
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	1,2,3,4,6,7,8-HpCDD	221	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	1,2,3,4,6,7,8-HpCDF	45.7	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	1,2,3,4,7,8,9-HpCDF	4.15	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	1,2,3,4,7,8-HxCDF	5.78	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	1,2,3,6,7,8-HxCDD	6.73	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	2,3,4,7,8-PeCDF	1.87	ng/kg	EMPC	J	25
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	2,3,7,8-TCDD	0.512	ng/kg	EMPC J	U	25
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	OCDD	1930	ng/kg	B	J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	OCDF	153	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	Total HpCDD	581	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	Total HpCDF	165	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	Total HxCDF	66.7	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	Total PeCDD	6.09	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 1613B	Total PeCDF	23.5	ng/kg		J	9
23D0063	LDW23-SS1818	23D0063-01	EPA 8270E	Benzo(g,h,i)perylene	39.9	ug/kg		J	5BL,8L
23D0063	LDW23-SS1818	23D0063-01	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23D0063	LDW23-SS1818	23D0063-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	41.6	ug/kg		J	5BL,8L
23D0063	LDW23-SS1818	23D0063-01	EPA 8270E	Phenol	12.6	ug/kg	J B	U	7
23D0063	LDW23-SS1818	23D0063-01	EPA 8270E	Total benzofluoranthenes	444	ug/kg		J	5BH
23D0063	LDW23-SS1818	23D0063-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7
23D0063	LDW23-SS1818	23D0063-01	EPA 8270E-SIM	Benzoic acid	39.8	ug/kg	J	J	5BL
23D0063	LDW23-SS1818	23D0063-01	EPA 8270E-SIM	Pentachlorophenol	4	ug/kg	J	J	5BL
23D0063	LDW23-SS1818	23D0063-01	EPA 9060	Total Organic carbon (TOC)	3.04	%		J	8H

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0063	LDW23-SS1818	23D0063-02	EPA 9060	Total Organic carbon (TOC)	2.47	%		J	8H
23D0063	LDW23-SS1819	23D0063-03	EPA 1613B	2,3,7,8-TCDD	0.475	ng/kg	EMPC J	U	25
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E	Benzo(g,h,i)perylene	35.3	ug/kg		J	5BL
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	36.7	ug/kg		J	5BL
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E	Phenol	18.1	ug/kg	J B	U	7
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E	Total benzofluoranthenes	511	ug/kg		J	5BH
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E-SIM	1,2-Dichlorobenzene	0.8	ug/kg	J	U	7
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E-SIM	1,4-Dichlorobenzene	1.8	ug/kg	J	U	7
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E-SIM	Benzoic acid	81.5	ug/kg	J	J	5BL
23D0063	LDW23-SS1819	23D0063-03	EPA 8270E-SIM	Pentachlorophenol	3.4	ug/kg	J	J	5BL
23D0063	LDW23-SS1819	23D0063-03	EPA 9060	Total Organic carbon (TOC)	3.65	%		J	8H
23D0063	LDW23-SS1819	23D0063-04	EPA 9060	Total Organic carbon (TOC)	2.73	%		J	8H
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	1,2,3,4,6,7,8-HpCDD	315	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	1,2,3,4,6,7,8-HpCDF	71.1	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	1,2,3,4,7,8,9-HpCDF	7.11	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	1,2,3,4,7,8-HxCDF	7.68	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	1,2,3,6,7,8-HxCDD	9.13	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	2,3,4,6,7,8-HxCDF	2.64	ng/kg	EMPC	J	25
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	2,3,7,8-TCDD	0.522	ng/kg	EMPC J	U	25
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	OCDD	2870	ng/kg	* B	J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	OCDF	308	ng/kg	*	J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	Total HpCDD	823	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	Total HpCDF	291	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	Total HxCDF	86.5	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	Total PeCDD	9.32	ng/kg		J	9
23D0063	LDW23-SS1818DUP1	BLD0657-DUP1	EPA 1613B	Total PeCDF	34.5	ng/kg		J	9
23D0136	LDW23-SS1804	23D0136-01	EPA 1613B	2,3,7,8-TCDD	0.529	ng/kg	EMPC J	U	25
23D0136	LDW23-SS1804	23D0136-01	EPA 8270E-SIM	2,4-Dimethylphenol	2.8	ug/kg	J	J	5CL
23D0136	LDW23-SS1804	23D0136-01	EPA 8270E-SIM	Benzoic acid	170	ug/kg	Q J	J	5BL,9
23D0136	LDW23-SS1804	23D0136-01	EPA 8270E-SIM	Pentachlorophenol	9.1	ug/kg	J	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0136	LDW23-SS1803	23D0136-03	EPA 8270E-SIM	2,4-Dimethylphenol	3.1	ug/kg	J	J	5CL
23D0136	LDW23-SS1803	23D0136-03	EPA 8270E-SIM	Benzoic acid	106	ug/kg	Q J	J	5BL,9
23D0136	LDW23-SS1803	23D0136-03	EPA 8270E-SIM	Pentachlorophenol	5.4	ug/kg	J	J	5BL
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,4,6,7,8-HpCDD	114	ng/kg	B	J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,4,6,7,8-HpCDF	23.9	ng/kg		J	13L
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,4,7,8,9-HpCDF	3.1	ng/kg	EMPC	J	25
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,4,7,8-HxCDD	3.16	ng/kg	EMPC	J	13L,25
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,4,7,8-HxCDF	4.97	ng/kg		J	13L
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,6,7,8-HxCDD	4.58	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,7,8,9-HxCDD	4.04	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,7,8,9-HxCDF	0.809	ng/kg	EMPC J	UJ	13L,25
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	1,2,3,7,8-PeCDD	3.07	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	2,3,4,6,7,8-HxCDF	3.36	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	2,3,7,8-TCDD	0.669	ng/kg	EMPC J	U	25
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	2,3,7,8-TCDF	3.97	ng/kg	EMPC X	J	9,23H,25
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	Total HpCDD	206	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	Total HxCDD	57.1	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	Total HxCDF	66.4	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	Total PeCDD	31.7	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	Total PeCDF	68.4	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 1613B	Total TCDF	51.8	ng/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 6020	Silver	0.74	mg/kg		J	8L
23D0393	LDW23-SS1223	23D0393-02	EPA 7471B	Mercury	0.108	mg/kg		J	9
23D0393	LDW23-SS1223	23D0393-02	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1223	23D0393-02	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1223	23D0393-02	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1223	23D0393-02	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1223	23D0393-02	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1223	23D0393-02	EPA 8270E-SIM	Pentachlorophenol	7.6	ug/kg	J	UJ	5BL,7
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	1,2,3,4,7,8-HxCDF	12.8	ng/kg		J	12H
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	1,2,3,6,7,8-HxCDD	9.7	ng/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	1,2,3,6,7,8-HxCDF	4.01	ng/kg		J	12H
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	1,2,3,7,8,9-HxCDD	5.8	ng/kg	EMPC	J	25
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	1,2,3,7,8-PeCDF	2.9	ng/kg		J	12H
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	2,3,4,7,8-PeCDF	11.2	ng/kg		J	9
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	2,3,7,8-TCDF	9.74	ng/kg	X	J	9,23H
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	OCDD	2320	ng/kg	B	J	9
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	Total HxCDD	92.9	ng/kg		J	9
23D0393	LDW23-IT1223	23D0393-03	EPA 1613B	Total PeCDD	40.6	ng/kg		J	9
23D0393	LDW23-SS1233	23D0393-04	EPA 6020	Silver	1.78	mg/kg	J D	J	8L
23D0393	LDW23-SS1233	23D0393-04	EPA 7471B	Mercury	0.0648	mg/kg		J	9
23D0393	LDW23-SS1233	23D0393-04	EPA 8082A	Aroclor-1260	7.1	ug/kg		J	19
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	4-Methylphenol		ug/kg	U	R	13L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Benzo(a)anthracene	629	ug/kg		J	5BH,8L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Benzo(a)pyrene	540	ug/kg		J	8L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Benzo(g,h,i)perylene	444	ug/kg		J	5BL,8L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Chrysene	811	ug/kg		J	8L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Fluoranthene	1180	ug/kg		J	8L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	388	ug/kg		J	5BL
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Phenanthrene	647	ug/kg		J	8L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Phenol	12	ug/kg	J	DNR	13L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E	Pyrene	1140	ug/kg		J	8L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E-SIM	1,2-Dichlorobenzene	4.3	ug/kg	J	DNR	11
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	13L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E-SIM	Benzoic acid	68.6	ug/kg	J	DNR	13L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	R	13L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	R	8L
23D0393	LDW23-SS1233	23D0393-04	EPA 8270E-SIM	Pentachlorophenol	60	ug/kg	Q	DNR	13L
23D0393	LDW23-IT1233	23D0393-05	EPA 8270E-SIM	Benzo(a)anthracene	5980	ug/kg	D E	DNR	20
23D0393	LDW23-IT1233	23D0393-05	EPA 8270E-SIM	Benzo(a)pyrene	2450	ug/kg	D E	DNR	20

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0393	LDW23-IT1233	23D0393-05	EPA 8270E-SIM	Benzo(b)fluoranthene	2910	ug/kg	D E	DNR	20
23D0393	LDW23-IT1233	23D0393-05	EPA 8270E-SIM	Chrysene	5970	ug/kg	D E	DNR	20
23D0393	LDW23-IT1233	23D0393-05RE1	EPA 8270E-SIM	Benzo(k)fluoranthene	1550	ug/kg	D	DNR	11
23D0393	LDW23-IT1233	23D0393-05RE1	EPA 8270E-SIM	Dibenzo(a,h)anthracene	518	ug/kg	D	DNR	11
23D0393	LDW23-IT1233	23D0393-05RE1	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	1230	ug/kg	D	DNR	11
23D0393	LDW23-SS1231	23D0393-06	EPA 6020	Silver	0.41	mg/kg	J D	J	8L
23D0393	LDW23-SS1231	23D0393-06	EPA 7471B	Mercury	0.0185	mg/kg	J	UJ	7,9
23D0393	LDW23-SS1231	23D0393-06	EPA 8082A	Aroclor-1248	23.5	ug/kg	P1	NJ	3
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	13L
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E	Benzo(a)anthracene	1950	ug/kg		J	5BH
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E	Benzo(g,h,i)perylene	329	ug/kg		J	5BL
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E	Fluoranthene	4270	ug/kg	E	J	20
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E	Indeno(1,2,3-cd)pyrene	340	ug/kg		J	5BL
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E	Phenol	5.7	ug/kg	J	J	13L
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E	Pyrene	3300	ug/kg	E	J	20
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,13L
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,13L
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E-SIM	Benzyl alcohol	14.5	ug/kg	J	J	5BL,13L
23D0393	LDW23-SS1231	23D0393-06	EPA 8270E-SIM	Pentachlorophenol	18.3	ug/kg	J	UJ	5BL,7,13L
23D0393	LDW23-IT1231	23D0393-07	EPA 1613B	1,2,3,4,7,8,9-HpCDF	0.774	ng/kg	EMPC J	U	25
23D0393	LDW23-IT1231	23D0393-07	EPA 1613B	1,2,3,6,7,8-HxCDF	0.237	ng/kg	J	J	12H
23D0393	LDW23-IT1231	23D0393-07	EPA 1613B	2,3,4,6,7,8-HxCDF	0.49	ng/kg	EMPC J	U	25
23D0393	LDW23-IT1231	23D0393-07	EPA 8270E-SIM	Benzo(a)pyrene	11.2	ug/kg		U	7
23D0393	LDW23-IT1231	23D0393-07	EPA 8270E-SIM	Benzo(b)fluoranthene	10.5	ug/kg		U	7
23D0393	LDW23-IT1231	23D0393-07	EPA 8270E-SIM	Benzo(k)fluoranthene	6.73	ug/kg		U	7
23D0393	LDW23-IT1231	23D0393-07	EPA 8270E-SIM	Chrysene	12	ug/kg		U	7
23D0393	LDW23-IT1231	23D0393-07	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	11.3	ug/kg		U	7
23D0393	LDW23-SS1147	23D0393-08	EPA 6020	Silver	0.09	mg/kg	J	J	8L
23D0393	LDW23-SS1147	23D0393-08	EPA 7471B	Mercury	0.256	mg/kg		J	9
23D0393	LDW23-SS1147	23D0393-08	EPA 8270E	Benzo(g,h,i)perylene	17.9	ug/kg	J	J	5BL
23D0393	LDW23-SS1147	23D0393-08	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0393	LDW23-SS1147	23D0393-08	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1147	23D0393-08	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1147	23D0393-08	EPA 8270E-SIM	Benzyl alcohol	12.6	ug/kg	J	J	5BL
23D0393	LDW23-SS1147	23D0393-08	EPA 8270E-SIM	Pentachlorophenol	23.5	ug/kg	Q	UJ	5BL,7
23D0393	LDW23-SS1097	23D0393-10	EPA 1613B	2,3,7,8-TCDF	1.24	ng/kg	X	J	23H
23D0393	LDW23-SS1097	23D0393-10	EPA 6020	Silver	0.07	mg/kg	J	J	8L
23D0393	LDW23-SS1097	23D0393-10	EPA 7471B	Mercury	0.0377	mg/kg		J	9
23D0393	LDW23-SS1097	23D0393-10	EPA 8082A	Aroclor-1248	7.7	ug/kg	P1	J	3
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	13L
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E	Benzo(a)anthracene	183	ug/kg		J	5BH
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E	Benzo(g,h,i)perylene	89.9	ug/kg		J	5BL
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E	Indeno(1,2,3-cd)pyrene	81.2	ug/kg		J	5BL
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E	Phenol	6.4	ug/kg	J	J	13L
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL,13L
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL,13L
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E-SIM	Benzyl alcohol	10.1	ug/kg	J	J	5BL,13L
23D0393	LDW23-SS1097	23D0393-10	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,13L
23D0393	LDW23-SS1114	23D0393-11	EPA 1613B	1,2,3,7,8-PeCDF	1.21	ng/kg	EMPC	J	25
23D0393	LDW23-SS1114	23D0393-11	EPA 1613B	2,3,4,7,8-PeCDF	2.08	ng/kg	EMPC	J	25
23D0393	LDW23-SS1114	23D0393-11	EPA 1613B	2,3,7,8-TCDF	2.12	ng/kg	X	J	23H
23D0393	LDW23-SS1114	23D0393-11	EPA 6020	Silver	0.34	mg/kg	J	J	8L
23D0393	LDW23-SS1114	23D0393-11	EPA 7471B	Mercury	0.494	mg/kg		J	9
23D0393	LDW23-SS1114	23D0393-11	EPA 8270E	Benzo(a)anthracene	65.3	ug/kg		J	5BH
23D0393	LDW23-SS1114	23D0393-11	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1114	23D0393-11	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1114	23D0393-11	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1114	23D0393-11	EPA 8270E-SIM	Benzoic acid	31.2	ug/kg	J	J	5BL
23D0393	LDW23-SS1114	23D0393-11	EPA 8270E-SIM	Benzyl alcohol	46.2	ug/kg	Q	J	5BL
23D0393	LDW23-SS1114	23D0393-11	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1086	23D0393-12	EPA 6020	Silver	0.06	mg/kg	J	J	8L
23D0393	LDW23-SS1086	23D0393-12	EPA 7471B	Mercury	0.0395	mg/kg		J	9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0393	LDW23-SS1086	23D0393-12	EPA 8270E	Benzo(a)anthracene	6.9	ug/kg	J	J	5BH
23D0393	LDW23-SS1086	23D0393-12	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1086	23D0393-12	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1086	23D0393-12	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1086	23D0393-12	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1086	23D0393-12	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1086	23D0393-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23D0393	LDW23-IT1086	23D0393-13	EPA 1613B	1,2,3,6,7,8-HxCDD	0.213	ng/kg	EMPC J	U	25
23D0393	LDW23-IT1086	23D0393-13	EPA 8270E-SIM	Benzo(a)anthracene	3.46	ug/kg	J	U	7
23D0393	LDW23-IT1086	23D0393-13	EPA 8270E-SIM	Benzo(a)pyrene	2.49	ug/kg	J	U	7
23D0393	LDW23-IT1086	23D0393-13	EPA 8270E-SIM	Benzo(b)fluoranthene	3.29	ug/kg	J	U	7
23D0393	LDW23-IT1086	23D0393-13	EPA 8270E-SIM	Benzo(k)fluoranthene	1.98	ug/kg	J	U	7
23D0393	LDW23-IT1086	23D0393-13	EPA 8270E-SIM	Chrysene	4.38	ug/kg	J	U	7
23D0393	LDW23-IT1086	23D0393-13	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	1.56	ug/kg	J	U	7
23D0393	LDW23-IT1086	23D0393-13	EPA 9060	Total Organic carbon (TOC)	0.33	%		J	9
23D0393	LDW23-IT1087	23D0393-14	EPA 8270E-SIM	Benzo(a)anthracene	2.99	ug/kg	J	U	7
23D0393	LDW23-IT1087	23D0393-14	EPA 8270E-SIM	Benzo(a)pyrene	3.15	ug/kg	J	U	7
23D0393	LDW23-IT1087	23D0393-14	EPA 8270E-SIM	Benzo(b)fluoranthene	5.11	ug/kg		U	7
23D0393	LDW23-IT1087	23D0393-14	EPA 8270E-SIM	Benzo(k)fluoranthene	2.31	ug/kg	J	U	7
23D0393	LDW23-IT1087	23D0393-14	EPA 8270E-SIM	Chrysene	4.88	ug/kg	J	U	7
23D0393	LDW23-IT1087	23D0393-14	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	2.53	ug/kg	J	U	7
23D0393	LDW23-IT1087	23D0393-14	EPA 9060	Total Organic carbon (TOC)	0.08	%		J	9
23D0393	LDW23-SS1072	23D0393-15	EPA 6020	Silver	0.06	mg/kg	J	J	8L
23D0393	LDW23-SS1072	23D0393-15	EPA 7471B	Mercury	0.0193	mg/kg	J	UJ	7,9
23D0393	LDW23-SS1072	23D0393-15	EPA 8270E	Benzo(a)anthracene	26.1	ug/kg		J	5BH
23D0393	LDW23-SS1072	23D0393-15	EPA 8270E	Benzo(g,h,i)perylene	16.1	ug/kg	J	J	5BL
23D0393	LDW23-SS1072	23D0393-15	EPA 8270E	Indeno(1,2,3-cd)pyrene	15.1	ug/kg	J	J	5BL
23D0393	LDW23-SS1072	23D0393-15	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1072	23D0393-15	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1072	23D0393-15	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1072	23D0393-15	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0393	LDW23-SS1079	23D0393-16	EPA 6020	Silver	0.06	mg/kg	J	J	8L
23D0393	LDW23-SS1079	23D0393-16	EPA 7471B	Mercury	0.0237	mg/kg	J	UJ	7,9
23D0393	LDW23-SS1079	23D0393-16	EPA 8082A	Aroclor-1248	5.2	ug/kg	P1	NJ	3
23D0393	LDW23-SS1079	23D0393-16	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1079	23D0393-16	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1079	23D0393-16	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1079	23D0393-16	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1079	23D0393-16	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1079	23D0393-16	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1068	23D0393-17	EPA 6020	Silver	0.05	mg/kg	J	J	8L
23D0393	LDW23-SS1068	23D0393-17	EPA 7471B	Mercury	0.026	mg/kg	J	UJ	7,9
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E	4-Methylphenol		ug/kg	U	R	13L
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E	Phenol		ug/kg	U	R	13L
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	13L
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E-SIM	Benzoic acid		ug/kg	U	R	13L
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	R	13L
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23D0393	LDW23-SS1068	23D0393-17	EPA 8270E-SIM	Pentachlorophenol	14.6	ug/kg	J	DNR	13L
23D0393	LDW23-SS1062	23D0393-18	EPA 6020	Silver	0.09	mg/kg	J	J	8L
23D0393	LDW23-SS1062	23D0393-18	EPA 7471B	Mercury	0.0419	mg/kg		J	9
23D0393	LDW23-SS1062	23D0393-18	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1062	23D0393-18	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1062	23D0393-18	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1062	23D0393-18	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1062	23D0393-18	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1062	23D0393-18	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0393	LDW23-SS1049	23D0393-19	EPA 6020	Silver	0.05	mg/kg	J	J	8L
23D0393	LDW23-SS1049	23D0393-19	EPA 7471B	Mercury	0.0322	mg/kg		UJ	7,9
23D0393	LDW23-SS1049	23D0393-19	EPA 8270E	Benzo(g,h,i)perylene	23.6	ug/kg	Q	J	5BL
23D0393	LDW23-SS1049	23D0393-19	EPA 8270E	Indeno(1,2,3-cd)pyrene	21.1	ug/kg	Q	J	5BL
23D0393	LDW23-SS1049	23D0393-19	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1049	23D0393-19	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1049	23D0393-19	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1049	23D0393-19	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23D0393	LDW23-IT1049	23D0393-20	EPA 8082A	Aroclor-1254	25.2	ug/kg	P1	NJ	3
23D0393	LDW23-IT1049	23D0393-20	EPA 8082A	Aroclor-1260	105	ug/kg		J	19
23D0393	LDW23-IT1042	23D0393-21	EPA 8082A	Aroclor-1260	33.5	ug/kg		J	19
23D0393	LDW23-SS1043	23D0393-22	EPA 6020	Silver	0.15	mg/kg	J	J	8L
23D0393	LDW23-SS1043	23D0393-22	EPA 7471B	Mercury	0.0199	mg/kg	J	UJ	7,9
23D0393	LDW23-SS1043	23D0393-22	EPA 8082A	Aroclor-1248	57.1	ug/kg	D P1	NJ	3
23D0393	LDW23-SS1043	23D0393-22	EPA 8270E	Benzo(g,h,i)perylene	24.4	ug/kg	Q	J	5BL
23D0393	LDW23-SS1043	23D0393-22	EPA 8270E	Indeno(1,2,3-cd)pyrene	23.4	ug/kg	Q	J	5BL
23D0393	LDW23-SS1043	23D0393-22	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1043	23D0393-22	EPA 8270E-SIM	Benzoic acid		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1043	23D0393-22	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1043	23D0393-22	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23D0393	LDW23-IT1043	23D0393-23	EPA 1613B	1,2,3,4,7,8-HxCDD	0.239	ng/kg	EMPC J	U	25
23D0393	LDW23-IT1043	23D0393-23	EPA 1613B	1,2,3,7,8,9-HxCDD	0.698	ng/kg	EMPC J	U	25
23D0393	LDW23-IT1043	23D0393-23	EPA 1613B	1,2,3,7,8-PeCDD	0.269	ng/kg	EMPC J	U	25
23D0393	LDW23-IT1043	23D0393-23	EPA 8082A	Aroclor-1260	35.9	ug/kg		J	19
23D0393	LDW23-IT1043	23D0393-23	EPA 8270E-SIM	Chrysene	14.8	ug/kg		U	7
23D0393	LDW23-SC1029	23D0393-24	EPA 6020	Silver	0.3	mg/kg	J	J	8L
23D0393	LDW23-SC1029	23D0393-24	EPA 7471B	Mercury	0.153	mg/kg		J	9
23D0393	LDW23-SC1029	23D0393-24	EPA 8270E	Benzo(g,h,i)perylene	43.7	ug/kg	Q	J	5BL
23D0393	LDW23-SC1029	23D0393-24	EPA 8270E	Indeno(1,2,3-cd)pyrene	41.1	ug/kg	Q	J	5BL
23D0393	LDW23-SC1029	23D0393-24	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SC1029	23D0393-24	EPA 8270E-SIM	Benzoic acid	29.9	ug/kg	J	J	5BL

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0393	LDW23-SC1029	23D0393-24	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SC1029	23D0393-24	EPA 8270E-SIM	Pentachlorophenol	3	ug/kg	J	UJ	5BL,7
23D0393	LDW23-SC1098	23D0393-25	EPA 8082A	Aroclor-1260	45.2	ug/kg	P1	NJ	3,19
23D0393	LDW23-SC1099	23D0393-26	EPA 8082A	Aroclor-1260	43.9	ug/kg		J	19
23D0393	LDW23-SS1102	23D0393-28	EPA 6020	Silver	0.29	mg/kg	J	J	8L
23D0393	LDW23-SS1102	23D0393-28	EPA 7471B	Mercury	0.228	mg/kg		J	9
23D0393	LDW23-SS1102	23D0393-28	EPA 8082A	Aroclor-1260	43.7	ug/kg		J	19
23D0393	LDW23-SS1102	23D0393-28	EPA 8270E	Benzo(g,h,i)perylene	24.8	ug/kg	Q	J	5BL
23D0393	LDW23-SS1102	23D0393-28	EPA 8270E	Indeno(1,2,3-cd)pyrene	22.4	ug/kg	Q	J	5BL
23D0393	LDW23-SS1102	23D0393-28	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1102	23D0393-28	EPA 8270E-SIM	Benzoic acid	31.4	ug/kg	J	J	5BL
23D0393	LDW23-SS1102	23D0393-28	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1102	23D0393-28	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23D0393	LDW23-SS1099	23D0393-29	EPA 6020	Silver	0.34	mg/kg	J	J	8L
23D0393	LDW23-SS1099	23D0393-29	EPA 7471B	Mercury	0.177	mg/kg		J	9
23D0393	LDW23-SS1099	23D0393-29	EPA 8082A	Aroclor-1260	50.1	ug/kg		J	19
23D0393	LDW23-SS1099	23D0393-29	EPA 8270E	Benzo(g,h,i)perylene	32.9	ug/kg	Q	J	5BL
23D0393	LDW23-SS1099	23D0393-29	EPA 8270E	Indeno(1,2,3-cd)pyrene	34.6	ug/kg	Q	J	5BL
23D0393	LDW23-SS1099	23D0393-29	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	5CL
23D0393	LDW23-SS1099	23D0393-29	EPA 8270E-SIM	Benzoic acid	87.3	ug/kg	J	J	5BL
23D0393	LDW23-SS1099	23D0393-29	EPA 8270E-SIM	Benzyl alcohol	87.1	ug/kg		J	5BL
23D0393	LDW23-SS1099	23D0393-29	EPA 8270E-SIM	Pentachlorophenol	2.6	ug/kg	J	UJ	5BL,7
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	1,2,3,4,6,7,8-HpCDD	83.8	ng/kg	* B	J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	1,2,3,4,7,8-HxCDD	1.83	ng/kg	* EMPC	J	25
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	1,2,3,6,7,8-HxCDD	2.36	ng/kg	*	J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	1,2,3,7,8,9-HxCDD	1.59	ng/kg	* EMPC	J	9,25
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	1,2,3,7,8,9-HxCDF	0.805	ng/kg	EMPC J	U	25
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	1,2,3,7,8-PeCDD	0.864	ng/kg	* J	J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	2,3,4,6,7,8-HxCDF	1.27	ng/kg	*	J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	2,3,7,8-TCDD	0.274	ng/kg	* EMPC J	U	25
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	2,3,7,8-TCDF	0.901	ng/kg	* EMPC X J	UJ	9,23,25

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	Total HpCDD	146	ng/kg		J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	Total HxCDD	25.5	ng/kg		J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	Total HxCDF	30.9	ng/kg		J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	Total PeCDD	18	ng/kg		J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	Total PeCDF	26	ng/kg		J	9
23D0393	LDW23-SS1223DUP1	BLD0710-DUP1	EPA 1613B	Total TCDF	14.8	ng/kg		J	9
23D0393	LDW23-SS1233DUP1	BLE0071-DUP1	EPA 7471B	Mercury	0.0193	mg/kg	J	UJ	7,9
23D0393	LDW23-SS1233DUP2	BLE0072-DUP2	EPA 6020	Silver	1.88	mg/kg	J D	J	8L
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	1,2,3,4,7,8-HxCDF	11.3	ng/kg		J	12H
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	1,2,3,6,7,8-HxCDD	7.26	ng/kg	* EMPC	J	9,25
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	1,2,3,6,7,8-HxCDF	3.54	ng/kg		J	12H
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	1,2,3,7,8,9-HxCDF	2.88	ng/kg		J	12H
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	1,2,3,7,8-PeCDF	2.6	ng/kg		J	12H
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	2,3,4,6,7,8-HxCDF	3.73	ng/kg	EMPC	J	25
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	2,3,4,7,8-PeCDF	6.09	ng/kg	*	J	9
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	2,3,7,8-TCDD	0.628	ng/kg	* EMPC J	U	25
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	2,3,7,8-TCDF	33.5	ng/kg	* X	J	9,23H
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	OCDD	1770	ng/kg	* B	J	9
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	Total HxCDD	66.4	ng/kg		J	9
23D0393	LDW23-IT1223DUP2	BLE0177-DUP2	EPA 1613B	Total PeCDD	31.5	ng/kg		J	9
23D0393	LDW23-IT1086DUP1	BLG0384-DUP1	EPA 9060	Total Organic carbon (TOC)	0.23	%	*	J	9
23D0394	LDW23-SS1098	23D0394-01	EPA 8270E	Benzo(g,h,i)perylene	47	ug/kg		J	5BL
23D0394	LDW23-SS1098	23D0394-01	EPA 8270E	Dibenzo(a,h)anthracene	19.7	ug/kg	J	J	5BL
23D0394	LDW23-SS1098	23D0394-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	49.9	ug/kg		J	5BL
23D0394	LDW23-SS1098	23D0394-01	EPA 8270E	Naphthalene	14	ug/kg	J	U	7
23D0394	LDW23-SS1098	23D0394-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.5	ug/kg	J	U	7
23D0394	LDW23-SS1098	23D0394-01	EPA 8270E-SIM	2,4-Dimethylphenol	3.5	ug/kg	J	J	10L
23D0394	LDW23-SS1098	23D0394-01	EPA 8270E-SIM	Benzoic acid	101	ug/kg		J	5BL
23D0394	LDW23-SS1098	23D0394-01	EPA 8270E-SIM	Pentachlorophenol	4.1	ug/kg	J	J	5BL
23D0394	LDW23-SS1071	23D0394-02	EPA 1613B	1,2,3,4,7,8,9-HpCDF	0.94	ng/kg	EMPC J	U	25
23D0394	LDW23-SS1071	23D0394-02	EPA 1613B	2,3,7,8-TCDD	0.287	ng/kg	EMPC J	U	25

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0394	LDW23-SS1071	23D0394-02	EPA 1613B	2,3,7,8-TCDF	0.661	ng/kg	EMPC X J	UJ	23,25
23D0394	LDW23-SS1071	23D0394-02	EPA 8081B	Hexachlorobenzene	0.19	ug/kg	J	UJ	7,8L
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E	Benzo(g,h,i)perylene	19	ug/kg	J	J	5BL
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E	Naphthalene	6	ug/kg	J	U	7
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E-SIM	1,4-Dichlorobenzene	0.7	ug/kg	J	U	7
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E-SIM	Benzoic acid	46.2	ug/kg	J	DNR	5BL
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E-SIM	Benzyl alcohol	38.6	ug/kg	B	U	7
23D0394	LDW23-SS1071	23D0394-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	5BL
23D0394	LDW23-IT1071	23D0394-03	EPA 1613B	1,2,3,4,7,8,9-HpCDF	2.27	ng/kg	EMPC	J	25
23D0394	LDW23-IT1071	23D0394-03	EPA 1613B	1,2,3,7,8,9-HxCDF	0.798	ng/kg	EMPC J	U	25
23D0394	LDW23-IT1071	23D0394-03	EPA 1613B	2,3,7,8-TCDD	0.42	ng/kg	EMPC J	U	25
23D0394	LDW23-IT1071	23D0394-03	EPA 1613B	2,3,7,8-TCDF	1.83	ng/kg	X	J	23H
23D0394	LDW23-IT1071	23D0394-03	EPA 8082A	Aroclor-1248	67.4	ug/kg	D P1	J	3
23D0394	LDW23-IT1071	23D0394-03	EPA 8270E-SIM	Benzo(a)pyrene	2.17	ug/kg	J	J	12H
23D0394	LDW23-SS1078	23D0394-04	EPA 8082A	Aroclor-1248	22.7	ug/kg	D	NJ	3
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Acenaphthene	39.2	ug/kg		J	9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Anthracene	113	ug/kg		J	9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Benzo(a)anthracene	292	ug/kg		J	8,9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Benzo(a)pyrene	302	ug/kg		J	9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Benzo(g,h,i)perylene	81.7	ug/kg		J	5BL,9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Chrysene	360	ug/kg		J	9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Dibenzo(a,h)anthracene	21.3	ug/kg		J	5BL
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Fluoranthene	531	ug/kg		J	8,9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Fluorene	44.7	ug/kg		J	9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	74.7	ug/kg		J	5BL,9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Naphthalene	37.1	ug/kg		U	7
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Phenanthrene	684	ug/kg		J	8,9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Pyrene	680	ug/kg		J	8,9

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E	Total benzofluoranthenes	572	ug/kg		J	9
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E-SIM	Benzoic acid	36.5	ug/kg	J	DNR	5BL
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E-SIM	Benzyl alcohol	13.5	ug/kg	J B	U	7
23D0394	LDW23-SS1078	23D0394-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	5BL
23D0394	LDW23-IT1067	23D0394-05	EPA 8082A	Aroclor-1254	11800	ug/kg	D P1	J	3
23D0394	LDW23-IT1067	23D0394-05	EPA 8270E-SIM	Benzo(a)pyrene	1.05	ug/kg	J	J	12H
23D0394	LDW23-SS1807	23D0394-06	EPA 8082A	Aroclor-1260	16.5	ug/kg	D J	NJ	3,9
23D0394	LDW23-SS1807	23D0394-06	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23D0394	LDW23-SS1807	23D0394-06	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23D0394	LDW23-SS1807	23D0394-06	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23D0394	LDW23-SS1807	23D0394-06	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23D0394	LDW23-SS1807	23D0394-06	EPA 8270E-SIM	Benzoic acid	30.1	ug/kg	J	DNR	5BL
23D0394	LDW23-SS1807	23D0394-06	EPA 8270E-SIM	Benzyl alcohol	5.7	ug/kg	J B	U	7
23D0394	LDW23-SS1807	23D0394-06	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	5BL
23D0394	LDW23-IT1807	23D0394-07	EPA 8082A	Aroclor-1260	8.4	ug/kg	D J	NJ	3
23D0394	LDW23-SS1055	23D0394-08	EPA 8270E	Benzo(g,h,i)perylene	20.6	ug/kg		J	5BL
23D0394	LDW23-SS1055	23D0394-08	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23D0394	LDW23-SS1055	23D0394-08	EPA 8270E	Indeno(1,2,3-cd)pyrene	21	ug/kg		J	5BL
23D0394	LDW23-SS1055	23D0394-08	EPA 8270E	Naphthalene	17.9	ug/kg	J	U	7
23D0394	LDW23-SS1055	23D0394-08	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23D0394	LDW23-SS1055	23D0394-08	EPA 8270E-SIM	Benzoic acid	34	ug/kg	J	DNR	5BL
23D0394	LDW23-SS1055	23D0394-08	EPA 8270E-SIM	Benzyl alcohol	9.3	ug/kg	J B	U	7
23D0394	LDW23-SS1055	23D0394-08	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	5BL
23D0394	LDW23-IT1055	23D0394-09	EPA 8270E-SIM	Benzo(a)pyrene	200	ug/kg	D	J	12H
23D0394	LDW23-IT1050	23D0394-10	EPA 8270E-SIM	Benzo(a)pyrene	67.3	ug/kg		J	12H
23D0394	LDW23-SS1034	23D0394-11	EPA 8082A	Aroclor-1248	156	ug/kg	D P1	NJ	3
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	13L
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E	Benzo(g,h,i)perylene	23.8	ug/kg		J	5BL
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E	Indeno(1,2,3-cd)pyrene	18.3	ug/kg	J	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E	Naphthalene	16.1	ug/kg	J	U	7
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E	Phenol	8.2	ug/kg	J	J	13L
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E-SIM	1,2-Dichlorobenzene	1	ug/kg	J	U	7
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E-SIM	Benzoic acid	45.5	ug/kg	J	DNR	5BL,13L
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E-SIM	Benzyl alcohol	12.5	ug/kg	J B	DNR	13L
23D0394	LDW23-SS1034	23D0394-11	EPA 8270E-SIM	Pentachlorophenol	5.5	ug/kg	J	DNR	5BL,13L
23D0394	LDW23-SS1806	23D0394-12	EPA 8270E	Benzo(g,h,i)perylene	42.9	ug/kg		J	5BL
23D0394	LDW23-SS1806	23D0394-12	EPA 8270E	Dibenzo(a,h)anthracene	20.6	ug/kg		J	5BL
23D0394	LDW23-SS1806	23D0394-12	EPA 8270E	Indeno(1,2,3-cd)pyrene	46.4	ug/kg		J	5BL
23D0394	LDW23-SS1806	23D0394-12	EPA 8270E	Naphthalene	33.2	ug/kg		U	7
23D0394	LDW23-SS1806	23D0394-12	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23D0394	LDW23-SS1806	23D0394-12	EPA 8270E-SIM	Benzoic acid	28.9	ug/kg	J	DNR	5BL
23D0394	LDW23-SS1806	23D0394-12	EPA 8270E-SIM	Benzyl alcohol	7.6	ug/kg	J B	U	7
23D0394	LDW23-SS1806	23D0394-12	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	5BL
23D0394	LDW23-IT1806	23D0394-13	EPA 8082A	Aroclor-1248	35.9	ug/kg	D	NJ	3
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E	Benzo(g,h,i)perylene	37.3	ug/kg	Q	J	5BL
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E	Benzyl alcohol	46	ug/kg	B	U	7
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	36.5	ug/kg	Q	J	5BL
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E	Naphthalene	33.3	ug/kg		U	7
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E-SIM	1,4-Dichlorobenzene	2.2	ug/kg	J	U	7
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E-SIM	2,4-Dimethylphenol	2.5	ug/kg	J	J	10L
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E-SIM	Benzoic acid	83.7	ug/kg	J	J	5BL
23D0396	LDW23-SS1801	23D0396-01	EPA 8270E-SIM	Pentachlorophenol	5	ug/kg	J	J	5BL
23D0396	LDW23-SS1801	23D0396-01	EPA 9060	Total Organic carbon (TOC)	2.61	%		J	8H
23D0396	LDW23-SC1801	23D0396-02	EPA 9060	Total Organic carbon (TOC)	2.76	%		J	8H
23D0396	LDW23-SS1802	23D0396-03	EPA 8081B	Hexachlorobenzene	0.18	ug/kg	P1 J	U	7
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E	Benzo(g,h,i)perylene	36.1	ug/kg	Q	J	5BL
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E	Benzyl alcohol	36.8	ug/kg	B	U	7
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	37.9	ug/kg	Q	J	5BL
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E	Naphthalene	17.2	ug/kg	J	U	7
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E-SIM	1,4-Dichlorobenzene	1.9	ug/kg	J	U	7
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E-SIM	2,4-Dimethylphenol	2.4	ug/kg	J	J	10L
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E-SIM	Benzoic acid	64.4	ug/kg	J	J	5BL
23D0396	LDW23-SS1802	23D0396-03	EPA 8270E-SIM	Pentachlorophenol	2.8	ug/kg	J	J	5BL
23D0396	LDW23-SS1802	23D0396-03	EPA 9060	Total Organic carbon (TOC)	2.88	%		J	8H
23D0396	LDW23-SC1802	23D0396-04	EPA 9060	Total Organic carbon (TOC)	2.75	%		J	8H
23E0009	LDW23-SS1811	23E0009-01	EPA 8082A	Aroclor-1260	42.8	ug/kg		J	5BH
23E0009	LDW23-SS1811	23E0009-01	EPA 8270E	Benzo(g,h,i)perylene	27.5	ug/kg		J	5BL
23E0009	LDW23-SS1811	23E0009-01	EPA 8270E-SIM	1,4-Dichlorobenzene	2.6	ug/kg	J	U	7
23E0009	LDW23-SC1811	23E0009-02	EPA 8082A	Aroclor-1260	45.9	ug/kg		J	5BH
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Acenaphthene	41.2	ug/kg		J	9
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Benzo(a)pyrene	334	ug/kg		J	9
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Benzo(g,h,i)perylene	214	ug/kg		J	5BL
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Chrysene	541	ug/kg		J	9
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Fluoranthene	439	ug/kg		J	9
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	204	ug/kg		J	9
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Naphthalene	301	ug/kg		J	8L
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Phenanthrene	191	ug/kg		J	9
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Pyrene	442	ug/kg		J	9
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E	Total benzofluoranthenes	691	ug/kg		J	9
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E-SIM	1,4-Dichlorobenzene	1.7	ug/kg	J	U	7
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	UJ	13L
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E-SIM	Benzoic acid	80.2	ug/kg	J	J	13L
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E-SIM	Benzyl alcohol	85.2	ug/kg		J	13L
23E0009	LDW23-SS1805	23E0009-03	EPA 8270E-SIM	Pentachlorophenol	4.2	ug/kg	J	J	13L
23E0009	LDW23-SS1800	23E0009-05	EPA 8270E	Benzo(g,h,i)perylene	87.1	ug/kg		J	5BL
23E0009	LDW23-SS1800	23E0009-05	EPA 8270E-SIM	1,4-Dichlorobenzene	2	ug/kg	J	U	7
23E0009	LDW23-SS1820	23E0009-07	EPA 8270E	Benzo(g,h,i)perylene	110	ug/kg		J	5BL
23E0009	LDW23-SS1820	23E0009-07	EPA 8270E-SIM	1,4-Dichlorobenzene	1.4	ug/kg	J	U	7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23E0009	LDW23-IT1820	23E0009-08	EPA 8270E-SIM	Benzo(a)anthracene	214	ug/kg	D	J	9
23E0009	LDW23-IT1820	23E0009-08	EPA 8270E-SIM	Benzo(a)pyrene	250	ug/kg	D	J	9
23E0009	LDW23-IT1820	23E0009-08	EPA 8270E-SIM	Benzo(b)fluoranthene	263	ug/kg	D	J	9
23E0009	LDW23-IT1820	23E0009-08	EPA 8270E-SIM	Benzo(k)fluoranthene	143	ug/kg	D	J	9
23E0009	LDW23-IT1820	23E0009-08	EPA 8270E-SIM	Chrysene	294	ug/kg	D	J	9
23E0219	LDW23-SS1035	23E0219-02	EPA 1613B	1,2,3,4,7,8,9-HpCDF	7.89	ng/kg	EMPC	J	25
23E0219	LDW23-SS1035	23E0219-02	EPA 1613B	2,3,4,6,7,8-HxCDF	3.11	ng/kg	EMPC	J	25
23E0219	LDW23-SS1035	23E0219-02	EPA 1613B	2,3,7,8-TCDD	0.623	ng/kg	EMPC J	U	25
23E0219	LDW23-SS1035	23E0219-02	EPA 1613B	2,3,7,8-TCDF	1.78	ng/kg	X	J	23H
23E0219	LDW23-SS1035	23E0219-02	EPA 1613B	Total TCDD	10.5	ng/kg		J	9
23E0219	LDW23-SS1035	23E0219-02	EPA 6020	Silver	0.45	mg/kg	J	J	8L,9
23E0219	LDW23-SS1035	23E0219-02	EPA 8082A	Aroclor-1254	72.3	ug/kg	P1	NJ	3
23E0219	LDW23-SS1035	23E0219-02	EPA 8270E	Benzo(g,h,i)perylene	45	ug/kg	Q	J	5BL
23E0219	LDW23-SS1035	23E0219-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1035	23E0219-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	46.3	ug/kg	Q	J	5BL
23E0219	LDW23-SS1035	23E0219-02	EPA 8270E	Total benzofluoranthenes	577	ug/kg		J	5BH
23E0219	LDW23-SS1035	23E0219-02	EPA 8270E-SIM	1,4-Dichlorobenzene	2.8	ug/kg	J	U	7
23E0219	LDW23-SS1035	23E0219-02	EPA 8270E-SIM	Benzoic acid	98.7	ug/kg	J	J	5BL
23E0219	LDW23-SS1035	23E0219-02	EPA 8270E-SIM	Pentachlorophenol	16.4	ug/kg	J	J	5BL
23E0219	LDW23-SS1167	23E0219-03	EPA 1613B	1,2,3,4,7,8,9-HpCDF	2.08	ng/kg	EMPC	J	25
23E0219	LDW23-SS1167	23E0219-03	EPA 1613B	1,2,3,7,8-PeCDF	1.03	ng/kg	EMPC	J	25
23E0219	LDW23-SS1167	23E0219-03	EPA 1613B	2,3,4,6,7,8-HxCDF	7.42	ng/kg	EMPC	J	25
23E0219	LDW23-SS1167	23E0219-03	EPA 1613B	2,3,7,8-TCDD	0.696	ng/kg	EMPC J	U	25
23E0219	LDW23-SS1167	23E0219-03	EPA 1613B	2,3,7,8-TCDF	9.98	ng/kg	X	J	23H
23E0219	LDW23-SS1167	23E0219-03	EPA 6020	Silver	0.11	mg/kg	J	J	8L,9
23E0219	LDW23-SS1167	23E0219-03	EPA 8081B	Hexachlorobenzene	0.21	ug/kg	J	U	7
23E0219	LDW23-SS1167	23E0219-03	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1167	23E0219-03	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1167	23E0219-03	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1167	23E0219-03	EPA 8270E	Total benzofluoranthenes	100	ug/kg		J	5BH
23E0219	LDW23-SS1167	23E0219-03	EPA 8270E-SIM	Benzoic acid	55.4	ug/kg	J	J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23E0219	LDW23-SS1167	23E0219-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23E0219	LDW23-IT1167	23E0219-04	EPA 1613B	1,2,3,4,7,8-HxCDF	0.329	ng/kg	EMPC J	U	25
23E0219	LDW23-IT1167	23E0219-04	EPA 1613B	1,2,3,6,7,8-HxCDD	0.396	ng/kg	EMPC J	U	25
23E0219	LDW23-IT1167	23E0219-04	EPA 1613B	1,2,3,7,8-PeCDF	0.153	ng/kg	EMPC J	U	25
23E0219	LDW23-IT1167	23E0219-04	EPA 1613B	2,3,7,8-TCDF	0.775	ng/kg	X J	J	23H
23E0219	LDW23-IT1167	23E0219-04	EPA 1613B	OCDF	3.8	ng/kg	EMPC	J	25
23E0219	LDW23-SS1814	23E0219-05	EPA 6020	Silver	0.1	mg/kg	J	J	8L,9
23E0219	LDW23-SS1814	23E0219-05	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1814	23E0219-05	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1814	23E0219-05	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1814	23E0219-05	EPA 8270E	Total benzofluoranthenes	79.1	ug/kg		J	5BH
23E0219	LDW23-SS1814	23E0219-05	EPA 8270E-SIM	Benzoic acid	22.6	ug/kg	J	J	5BL
23E0219	LDW23-SS1814	23E0219-05	EPA 8270E-SIM	Benzyl alcohol	68.3	ug/kg		U	7
23E0219	LDW23-SS1814	23E0219-05	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1815	23E0219-07	EPA 1613B	1,2,3,4,6,7,8-HpCDD	2970	ng/kg	E	DNR	20
23E0219	LDW23-SS1815	23E0219-07	EPA 1613B	2,3,7,8-TCDF	3.3	ng/kg	X	J	23H
23E0219	LDW23-SS1815	23E0219-07	EPA 1613B	OCDD	33900	ng/kg	E B	DNR	20
23E0219	LDW23-SS1815	23E0219-07	EPA 6020	Silver	0.38	mg/kg		J	8L,9
23E0219	LDW23-SS1815	23E0219-07	EPA 8081B	Hexachlorobenzene	0.5	ug/kg		U	7
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Benzo(a)pyrene	2210	ug/kg	E	DNR	20
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Benzo(g,h,i)perylene	341	ug/kg	Q	J	5BL
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Chrysene	4340	ug/kg	E	DNR	20
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Dibenzo(a,h)anthracene	136	ug/kg	Q	J	5BL
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Fluoranthene	3990	ug/kg	E	DNR	20
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	402	ug/kg	Q	J	5BL
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Phenanthrene	2080	ug/kg	E	DNR	20
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Pyrene	5170	ug/kg	E	DNR	20
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E	Total benzofluoranthenes	10400	ug/kg	E	DNR	20
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E-SIM	1,4-Dichlorobenzene	3	ug/kg	J	U	7
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E-SIM	Benzoic acid	76	ug/kg	J	J	5BL
23E0219	LDW23-SS1815	23E0219-07	EPA 8270E-SIM	Pentachlorophenol	93.3	ug/kg		J	5BL

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	2-Methylnaphthalene	27.9	ug/kg	J D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Acenaphthene	117	ug/kg	D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Acenaphthylene	258	ug/kg	D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Anthracene	604	ug/kg	D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Benzo(a)anthracene	1810	ug/kg	D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Benzo(g,h,i)perylene	397	ug/kg	Q D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	375	ug/kg	D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Dibenzo(a,h)anthracene	169	ug/kg	Q D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Dibenzofuran	78.7	ug/kg	J D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Fluorene	159	ug/kg	D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	473	ug/kg	Q D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Naphthalene	79.3	ug/kg	J D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Phenol	30.4	ug/kg	J D	DNR	11
23E0219	LDW23-SS1815	23E0219-07RE1	EPA 8270E	Total benzofluoranthenes	9190	ug/kg	Q D	J	5BH
23E0219	LDW23-SS1134	23E0219-09	EPA 6020	Silver	0.15	mg/kg	J	J	8L,9
23E0219	LDW23-SS1134	23E0219-09	EPA 8081B	Hexachlorobenzene	0.21	ug/kg	J	U	7
23E0219	LDW23-SS1134	23E0219-09	EPA 8082A	Aroclor-1248	10.7	ug/kg	J D	NJ	3
23E0219	LDW23-SS1134	23E0219-09	EPA 8270E	Benzo(a)pyrene	136	ug/kg		DNR	19
23E0219	LDW23-SS1134	23E0219-09	EPA 8270E	Benzo(g,h,i)perylene	36.2	ug/kg	Q	J	5BL,19
23E0219	LDW23-SS1134	23E0219-09	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	5BL,19
23E0219	LDW23-SS1134	23E0219-09	EPA 8270E	Indeno(1,2,3-cd)pyrene	27.9	ug/kg	Q	J	5BL,19
23E0219	LDW23-SS1134	23E0219-09	EPA 8270E	Total benzofluoranthenes	400	ug/kg		DNR	19
23E0219	LDW23-SS1134	23E0219-09	EPA 8270E-SIM	Benzoic acid	33.6	ug/kg	J	J	5BL
23E0219	LDW23-SS1134	23E0219-09	EPA 8270E-SIM	Pentachlorophenol	2.3	ug/kg	J	J	5BL
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Benzo(a)anthracene	100	ug/kg	D	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate	53.1	ug/kg	J D	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Chrysene	162	ug/kg	D	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Fluoranthene	99.9	ug/kg	D	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Phenanthrene	43.7	ug/kg	J D	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Pyrene	118	ug/kg	D	DNR	11
23E0219	LDW23-SS1134	23E0219-09RE1	EPA 8270E	Total benzofluoranthenes	363	ug/kg	Q D	J	5BH
23E0219	LDW23-SS1146	23E0219-10	EPA 6020	Silver	0.05	mg/kg	J	J	8L,9
23E0219	LDW23-SS1146	23E0219-10	EPA 8081B	Hexachlorobenzene	0.91	ug/kg		U	7
23E0219	LDW23-SS1146	23E0219-10	EPA 8082A	Aroclor-1248	1.9	ug/kg	J	NJ	3
23E0219	LDW23-SS1146	23E0219-10RE1	EPA 8270E	Benzo(a)pyrene	6.4	ug/kg	J	J	9
23E0219	LDW23-SS1146	23E0219-10RE1	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1146	23E0219-10RE1	EPA 8270E	Chrysene	6.2	ug/kg	J	J	9
23E0219	LDW23-SS1146	23E0219-10RE1	EPA 8270E	Fluoranthene	9.4	ug/kg	J	J	9
23E0219	LDW23-SS1146	23E0219-10RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1146	23E0219-10RE1	EPA 8270E	Pyrene	11	ug/kg	J	J	9
23E0219	LDW23-SS1146	23E0219-10RE1	EPA 8270E-SIM	Benzyl alcohol	10.5	ug/kg	J	UJ	5BL,7,8L,10L
23E0219	LDW23-SS1146	23E0219-10RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1146	23E0219-10RE2	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23E0219	LDW23-SS1146	23E0219-10RE2	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23E0219	LDW23-SS1146	23E0219-10RE2	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11

Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23E0219	LDW23-SS1146	23E0219-10RE2	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23E0219	LDW23-SS1146	23E0219-10RE2	EPA 8270E-SIM	Benzoic acid	66.9	ug/kg	J	DNR	11
23E0219	LDW23-SS1146	23E0219-10RE2	EPA 8270E-SIM	Benzyl alcohol	5.5	ug/kg	J	DNR	11
23E0219	LDW23-SS1146	23E0219-10RE2	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23E0219	LDW23-SS1146	23E0219-10RE2	EPA 8270E-SIM	Pentachlorophenol	3.4	ug/kg	J	DNR	11
23E0219	LDW23-IT1146	23E0219-11	EPA 8082A	Aroclor-1248	2.9	ug/kg	J	NJ	3
23E0219	LDW23-SS1126	23E0219-13	EPA 6020	Silver	0.14	mg/kg	J	J	8L,9
23E0219	LDW23-SS1126	23E0219-13	EPA 8081B	Hexachlorobenzene	0.38	ug/kg	J	U	7
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Acenaphthene		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Anthracene		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Benzo(a)anthracene	43.6	ug/kg		DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Benzo(a)pyrene	52.3	ug/kg		DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Benzo(g,h,i)perylene		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Bis(2-ethylhexyl)phthalate	22.9	ug/kg	J	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Chrysene	72.4	ug/kg		DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Fluoranthene	52.3	ug/kg		DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Fluorene		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Naphthalene	19	ug/kg	J	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Phenanthrene	27.2	ug/kg		DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Phenol		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Pyrene	54.5	ug/kg		DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E	Total benzofluoranthenes	170	ug/kg		DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	13

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E-SIM	Benzoic acid	21	ug/kg	J	DNR	13
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E-SIM	Benzyl alcohol	92.6	ug/kg		J	13L
23E0219	LDW23-SS1126	23E0219-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	13
23E0219	LDW23-SS1126	23E0219-13RE1	EPA 8270E	Benzo(g,h,i)perylene	31.8	ug/kg		J	5BL
23E0219	LDW23-SS1126	23E0219-13RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	26.1	ug/kg		J	5BL
23E0219	LDW23-SS1126	23E0219-13RE1	EPA 8270E	Total benzofluoranthenes	198	ug/kg		J	5BH
23E0219	LDW23-SS1126	23E0219-13RE2	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23E0219	LDW23-SS1126	23E0219-13RE2	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23E0219	LDW23-SS1126	23E0219-13RE2	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23E0219	LDW23-SS1126	23E0219-13RE2	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	J	5BL
23E0219	LDW23-SS1126	23E0219-13RE2	EPA 8270E-SIM	Benzoic acid	16.8	ug/kg	J	J	5BL
23E0219	LDW23-SS1126	23E0219-13RE2	EPA 8270E-SIM	Benzyl alcohol	4.8	ug/kg	J	DNR	11
23E0219	LDW23-SS1126	23E0219-13RE2	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23E0219	LDW23-SS1126	23E0219-13RE2	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23E0219	LDW23-SS1035DUP1	BLE0442-DUP1	EPA 6020	Silver	0.43	mg/kg	J	J	8L,9
23E0219	LDW23-SS1035DUP1	BLE0530-DUP1	EPA 1613B	2,3,7,8-TCDD	0.497	ng/kg	EMPC J	U	25
23E0219	LDW23-SS1035DUP1	BLE0530-DUP1	EPA 1613B	2,3,7,8-TCDF	1.85	ng/kg	X	J	23H
23E0219	LDW23-SS1035DUP1	BLE0530-DUP1	EPA 1613B	Total TCDD	5.42	ng/kg		J	9
23F0143	LDW23-SC1156A	23F0143-01	EPA 6020	Cadmium	0.29	mg/kg		U	7
23F0143	LDW23-SC1156A	23F0143-01	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E	Benzo(g,h,i)perylene	159	ug/kg		J	5BH
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E	Butyl benzyl phthalate	20.8	ug/kg		J	5BH
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E	Dibenzo(a,h)anthracene	43	ug/kg		J	5BH
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	152	ug/kg		J	5BH
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E-SIM	1,4-Dichlorobenzene	1.3	ug/kg	J	U	7
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E-SIM	2,4-Dimethylphenol	3.4	ug/kg	J	DNR	10L
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E-SIM	Benzoic acid	139	ug/kg	Q	J	5BL,7
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SC1156A	23F0143-01	EPA 8270E-SIM	Pentachlorophenol	6.9	ug/kg	J	J	5BL
23F0143	LDW23-SC1156A	23F0143-01	EPA 9060	Total Organic carbon (TOC)	2.32	%		J	1

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23F0143	LDW23-SC1226A	23F0143-02	EPA 1613B	1,2,3,7,8,9-HxCDF	0.903	ng/kg	EMPC J	U	25
23F0143	LDW23-SC1226A	23F0143-02	EPA 1613B	1,2,3,7,8-PeCDF	0.465	ng/kg	EMPC J	U	25
23F0143	LDW23-SC1226A	23F0143-02	EPA 1613B	2,3,7,8-TCDD	0.312	ng/kg	EMPC J	U	25
23F0143	LDW23-SC1226A	23F0143-02	EPA 1613B	2,3,7,8-TCDF	0.564	ng/kg	X J	J	23H
23F0143	LDW23-SC1226A	23F0143-02	EPA 1613B	Total PeCDF	6.48	ng/kg		J	9
23F0143	LDW23-SC1226A	23F0143-02	EPA 1613B	Total TCDF	4.22	ng/kg		J	9
23F0143	LDW23-SC1226A	23F0143-02	EPA 6020	Cadmium	0.31	mg/kg		U	7
23F0143	LDW23-SC1226A	23F0143-02	EPA 6020	Silver	0.23	mg/kg	J	J	8L
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E	Benzo(g,h,i)perylene	52.9	ug/kg		J	5BH
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E	Butyl benzyl phthalate	12	ug/kg	J	J	5BH
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E	Indeno(1,2,3-cd)pyrene	52.4	ug/kg		J	5BH
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E	Phenol	31.6	ug/kg		U	7
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E-SIM	Benzoic acid	87.8	ug/kg	J	UJ	5BL,7
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E-SIM	Benzyl alcohol	23.2	ug/kg		UJ	5BL,7
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SC1226A	23F0143-02	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23F0143	LDW23-SC1226A	23F0143-02	EPA 9060	Total Organic carbon (TOC)	2.78	%		J	1
23F0143	LDW23-SS1269	23F0143-03	EPA 6020	Cadmium	0.14	mg/kg	J	U	7
23F0143	LDW23-SS1269	23F0143-03	EPA 6020	Silver	0.13	mg/kg	J	J	8L
23F0143	LDW23-SS1269	23F0143-03	EPA 7471B	Mercury	0.0506	mg/kg		J	7L
23F0143	LDW23-SS1269	23F0143-03	EPA 8081B	Hexachlorobenzene	0.23	ug/kg	J	J	3
23F0143	LDW23-SS1269	23F0143-03	EPA 8270E	Benzo(g,h,i)perylene	48.1	ug/kg		J	5BH
23F0143	LDW23-SS1269	23F0143-03	EPA 8270E	Indeno(1,2,3-cd)pyrene	44.5	ug/kg		J	5BH
23F0143	LDW23-SS1269	23F0143-03	EPA 8270E	Phenol	22.8	ug/kg		U	7
23F0143	LDW23-SS1269	23F0143-03	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SS1269	23F0143-03	EPA 8270E-SIM	Benzoic acid	105	ug/kg	Q	J	5BL,7
23F0143	LDW23-SS1269	23F0143-03	EPA 8270E-SIM	Benzyl alcohol		ug/kg	U	UJ	5BL
23F0143	LDW23-SS1269	23F0143-03	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SS1269	23F0143-03	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23F0143	LDW23-SS1269	23F0143-03	EPA 9060	Total Organic carbon (TOC)	1.08	%		J	1

**Qualified Data Summary Table
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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23F0143	LDW23-SS1275	23F0143-04	EPA 6020	Cadmium	0.13	mg/kg	J	U	7
23F0143	LDW23-SS1275	23F0143-04	EPA 6020	Silver	0.14	mg/kg	J	J	8L
23F0143	LDW23-SS1275	23F0143-04	EPA 7471B	Mercury	0.0511	mg/kg		J	7L
23F0143	LDW23-SS1275	23F0143-04	EPA 8082A	Aroclor-1248	5.4	ug/kg		NJ	3
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E	4-Methylphenol		ug/kg	U	UJ	13L
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E	Benzo(a)pyrene		ug/kg	U	UJ	19
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E	Benzo(g,h,i)perylene	50.3	ug/kg		DNR	19
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	UJ	19
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E	Indeno(1,2,3-cd)pyrene	41.8	ug/kg		J	5BH,19
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E	Phenol	5.5	ug/kg	J	UJ	7,13L
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E	Total benzofluoranthenes	136	ug/kg		J	19
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E-SIM	Benzoic acid	68.9	ug/kg	J	UJ	5BL,7,13L
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E-SIM	Benzyl alcohol	4.5	ug/kg	J	UJ	5BL,7,13L
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SS1275	23F0143-04	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL,13L
23F0143	LDW23-SS1275	23F0143-04	EPA 9060	Total Organic carbon (TOC)	0.95	%		J	1
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Benzo(a)anthracene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Benzo(a)pyrene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Benzo(g,h,i)perylene	62.3	ug/kg	J D	J	5BH
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Chrysene	37.9	ug/kg	J D	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Fluoranthene	81.2	ug/kg	D	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Naphthalene	36.5	ug/kg	J D	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Phenanthrene	47.4	ug/kg	J D	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Pyrene	82.2	ug/kg	D	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E	Total benzofluoranthenes		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E-SIM	Benzyl alcohol	24.2	ug/kg	J D	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23F0143	LDW23-SS1275	23F0143-04RE1	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	DNR	11
23F0143	LDW23-SS1274	23F0143-05	EPA 9060	Total Organic carbon (TOC)	0.56	%		J	1
23F0143	LDW23-SS1230	23F0143-06	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	58.7	ug/kg	D	J	10L
23F0143	LDW23-SS1230	23F0143-06	EPA 9060	Total Organic carbon (TOC)	1.09	%		J	1
23F0143	LDW23-SC1221A	23F0143-07	EPA 6020	Cadmium	0.23	mg/kg		U	7
23F0143	LDW23-SC1221A	23F0143-07	EPA 6020	Silver	0.18	mg/kg	J	J	8L
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E	Benzo(g,h,i)perylene	73.5	ug/kg		J	5BH
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E	Butyl benzyl phthalate	11.2	ug/kg	J	J	5BH
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E	Dibenzo(a,h)anthracene	34.7	ug/kg		J	5BH
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E	Indeno(1,2,3-cd)pyrene	76.4	ug/kg		J	5BH
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E-SIM	1,4-Dichlorobenzene	1.5	ug/kg	J	U	7
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E-SIM	Benzoic acid	74.2	ug/kg	J	UJ	5BL,7
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E-SIM	Benzyl alcohol	14.7	ug/kg	J	UJ	5BL,7
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SC1221A	23F0143-07	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23F0143	LDW23-SC1221A	23F0143-07	EPA 9060	Total Organic carbon (TOC)	1.45	%		J	1
23F0143	LDW23-SC1184B	23F0143-08	EPA 6020	Cadmium	0.32	mg/kg		U	7
23F0143	LDW23-SC1184B	23F0143-08	EPA 6020	Silver	0.25	mg/kg	J	J	8L
23F0143	LDW23-SC1184B	23F0143-08	EPA 8082A	Aroclor-1260	38.7	ug/kg		J	19
23F0143	LDW23-SC1184B	23F0143-08	EPA 9060	Total Organic carbon (TOC)	1.89	%		J	1
23F0143	LDW23-SC1205B	23F0143-09	EPA 6020	Silver	0.59	mg/kg		J	8L
23F0143	LDW23-SC1205B	23F0143-09	EPA 9060	Total Organic carbon (TOC)	1.8	%		J	1
23F0143	LDW23-SS1195	23F0143-10	EPA 6020	Cadmium	0.11	mg/kg	J	U	7
23F0143	LDW23-SS1195	23F0143-10	EPA 6020	Silver	0.11	mg/kg	J	J	8L
23F0143	LDW23-SS1195	23F0143-10	EPA 9060	Total Organic carbon (TOC)	0.75	%		J	1
23F0143	LDW23-SS1243	23F0143-11	EPA 9060	Total Organic carbon (TOC)	2.58	%		J	1
23F0143	LDW23-SS1063	23F0143-12	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	84.4	ug/kg	D	J	10L
23F0143	LDW23-SC1038A	23F0143-13	EPA 6020	Cadmium	0.3	mg/kg		U	7
23F0143	LDW23-SC1038A	23F0143-13	EPA 6020	Silver	0.27	mg/kg	J	J	8L
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E	4-Methylphenol	20.8	ug/kg		J	13L
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E	Benzo(a)pyrene		ug/kg	U	UJ	19
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E	Benzo(g,h,i)perylene	51.7	ug/kg		DNR	19
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E	Butyl benzyl phthalate	37.4	ug/kg		J	5BH
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E	Dibenzo(a,h)anthracene	18.1	ug/kg	J	J	5BH,19
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E	Indeno(1,2,3-cd)pyrene	51.2	ug/kg		DNR	19
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E	Phenol	14.4	ug/kg	J	UJ	7,13L
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E	Total benzofluoranthenes	263	ug/kg		DNR	19
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E-SIM	1,4-Dichlorobenzene	0.9	ug/kg	J	U	7
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E-SIM	Benzoic acid	71.1	ug/kg	J	UJ	5BL,7
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E-SIM	Benzyl alcohol	9.5	ug/kg	J	UJ	5BL,7
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SC1038A	23F0143-13	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	4-Methylphenol		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Anthracene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Benzo(a)anthracene	50.7	ug/kg	J D	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Benzo(a)pyrene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Benzo(g,h,i)perylene	85.4	ug/kg	D	J	5BH
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Bis(2-ethylhexyl)phthalate		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Butyl benzyl phthalate	39.5	ug/kg	J D	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Chrysene	91.9	ug/kg	D	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Fluoranthene	160	ug/kg	D	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Indeno(1,2,3-cd)pyrene	71.5	ug/kg	J D	J	5BH
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Phenanthrene	56.8	ug/kg	J D	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Phenol		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E	Pyrene	148	ug/kg	D	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E-SIM	Benzoic acid		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E-SIM	Benzyl alcohol	14.1	ug/kg	J D	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23F0143	LDW23-SC1038A	23F0143-13RE1	EPA 8270E-SIM	Pentachlorophenol	46.5	ug/kg	J D	DNR	11
23F0143	LDW23-SC1023A	23F0143-14	EPA 1613B	2,3,7,8-TCDF	0.944	ng/kg	X J	J	23H
23F0143	LDW23-SC1023A	23F0143-14	EPA 6020	Silver	0.32	mg/kg	J	J	8L
23F0143	LDW23-SC1023A	23F0143-14	EPA 8270E	Benzo(g,h,i)perylene	94.9	ug/kg		J	5BL
23F0143	LDW23-SC1023A	23F0143-14	EPA 8270E	Butyl benzyl phthalate	31.8	ug/kg	J	J	5BH
23F0143	LDW23-SC1023A	23F0143-14	EPA 8270E	Indeno(1,2,3-cd)pyrene	91.4	ug/kg		J	5BL

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23F0143	LDW23-SC1023A	23F0143-14RE2	EPA 8270E-SIM	1,4-Dichlorobenzene	2.5	ug/kg	J	U	7
23F0143	LDW23-SC1023A	23F0143-14RE2	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1023A	23F0143-14RE2	EPA 8270E-SIM	Benzoic acid	171	ug/kg	J	J	5BL,7
23F0143	LDW23-SC1023A	23F0143-14RE2	EPA 8270E-SIM	Benzyl alcohol	296	ug/kg		J	5BL
23F0143	LDW23-SC1023A	23F0143-14RE2	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SC1023A	23F0143-14RE2	EPA 8270E-SIM	Pentachlorophenol	9.8	ug/kg	J	J	5BL
23F0143	LDW23-SC1022B	23F0143-15	EPA 6020	Silver	0.34	mg/kg	J	J	8L
23F0143	LDW23-SC1017A	23F0143-16	EPA 6020	Silver	0.33	mg/kg	J	J	8L
23F0143	LDW23-SC1017A	23F0143-16	EPA 8270E	Benzo(g,h,i)perylene	46.7	ug/kg		J	5BL
23F0143	LDW23-SC1017A	23F0143-16	EPA 8270E	Butyl benzyl phthalate	13	ug/kg	J	J	5BH
23F0143	LDW23-SC1017A	23F0143-16	EPA 8270E	Indeno(1,2,3-cd)pyrene	44.1	ug/kg		J	5BL
23F0143	LDW23-SC1017A	23F0143-16	EPA 8270E	Phenol	16.1	ug/kg	J	U	7
23F0143	LDW23-SC1017A	23F0143-16RE2	EPA 8270E-SIM	1,4-Dichlorobenzene	1	ug/kg	J	U	7
23F0143	LDW23-SC1017A	23F0143-16RE2	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1017A	23F0143-16RE2	EPA 8270E-SIM	Benzoic acid	80.2	ug/kg	J	UJ	5BL,7
23F0143	LDW23-SC1017A	23F0143-16RE2	EPA 8270E-SIM	Benzyl alcohol	161	ug/kg		J	5BL
23F0143	LDW23-SC1017A	23F0143-16RE2	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SC1017A	23F0143-16RE2	EPA 8270E-SIM	Pentachlorophenol	5.5	ug/kg	J	J	5BL
23F0143	LDW23-SC1016B	23F0143-17	EPA 6020	Silver	0.31	mg/kg	J	J	8L
23F0143	LDW23-SC1011B	23F0143-18	EPA 6020	Silver	0.34	mg/kg	J	J	8L
23F0143	LDW23-SC1006B	23F0143-19	EPA 6020	Silver	0.29	mg/kg	J	J	8L
23F0143	LDW23-SC1012A	23F0143-20	EPA 6020	Silver	0.29	mg/kg	J	J	8L
23F0143	LDW23-SC1012A	23F0143-20	EPA 8270E	4-Methylphenol	37.5	ug/kg		J	13L
23F0143	LDW23-SC1012A	23F0143-20	EPA 8270E	Benzo(g,h,i)perylene	51.9	ug/kg		J	5BL
23F0143	LDW23-SC1012A	23F0143-20	EPA 8270E	Butyl benzyl phthalate	12.1	ug/kg	J	J	5BH
23F0143	LDW23-SC1012A	23F0143-20	EPA 8270E	Indeno(1,2,3-cd)pyrene	48.7	ug/kg		J	5BL
23F0143	LDW23-SC1012A	23F0143-20	EPA 8270E	Phenol	12	ug/kg	J	UJ	7,13L
23F0143	LDW23-SC1012A	23F0143-20RE2	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1012A	23F0143-20RE2	EPA 8270E-SIM	Benzoic acid	64.9	ug/kg	J	UJ	5BL,7,13L
23F0143	LDW23-SC1012A	23F0143-20RE2	EPA 8270E-SIM	Benzyl alcohol	152	ug/kg		J	5BL,13L
23F0143	LDW23-SC1012A	23F0143-20RE2	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23F0143	LDW23-SC1012A	23F0143-20RE2	EPA 8270E-SIM	Pentachlorophenol	6.7	ug/kg	J	J	5BL,13L
23F0143	LDW23-SC1170B	23F0143-21	EPA 6020	Silver	0.27	mg/kg	J	J	8L
23F0143	LDW23-SC1169A	23F0143-22	EPA 6020	Silver	0.26	mg/kg	J	J	8L
23F0143	LDW23-SC1169A	23F0143-22	EPA 8270E	Benzo(g,h,i)perylene	36.8	ug/kg		J	5BL
23F0143	LDW23-SC1169A	23F0143-22	EPA 8270E	Butyl benzyl phthalate	13.4	ug/kg	J	J	5BH
23F0143	LDW23-SC1169A	23F0143-22	EPA 8270E	Indeno(1,2,3-cd)pyrene	34.5	ug/kg		J	5BL
23F0143	LDW23-SC1169A	23F0143-22	EPA 8270E	Phenol	16.4	ug/kg	J	U	7
23F0143	LDW23-SC1169A	23F0143-22RE2	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1169A	23F0143-22RE2	EPA 8270E-SIM	Benzoic acid	53.6	ug/kg	J	UJ	5BL,7
23F0143	LDW23-SC1169A	23F0143-22RE2	EPA 8270E-SIM	Benzyl alcohol	109	ug/kg		J	5BL,7
23F0143	LDW23-SC1169A	23F0143-22RE2	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SC1169A	23F0143-22RE2	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23F0143	LDW23-SC1169B	23F0143-23	EPA 6020	Silver	0.33	mg/kg	J	J	8L
23F0143	LDW23-SC1169B	23F0143-23	EPA 8270E	Benzo(g,h,i)perylene	80.9	ug/kg		J	5BL
23F0143	LDW23-SC1169B	23F0143-23	EPA 8270E	Butyl benzyl phthalate	21.6	ug/kg	Q	J	5BH
23F0143	LDW23-SC1169B	23F0143-23	EPA 8270E	Indeno(1,2,3-cd)pyrene	85.3	ug/kg		J	5BL
23F0143	LDW23-SC1169B	23F0143-23	EPA 8270E	Phenol	9.7	ug/kg	J	U	7
23F0143	LDW23-SC1169B	23F0143-23RE2	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1169B	23F0143-23RE2	EPA 8270E-SIM	Benzoic acid	46.6	ug/kg	J	UJ	5BL,7
23F0143	LDW23-SC1169B	23F0143-23RE2	EPA 8270E-SIM	Benzyl alcohol	110	ug/kg		J	5BL,7
23F0143	LDW23-SC1169B	23F0143-23RE2	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	UJ	12L
23F0143	LDW23-SC1169B	23F0143-23RE2	EPA 8270E-SIM	Pentachlorophenol	5.9	ug/kg	J	J	5BL
23F0143	LDW23-SC1162A	23F0143-24	EPA 1613B	2,3,7,8-TCDD	0.431	ng/kg	EMPC J	U	25
23F0143	LDW23-SC1162A	23F0143-24	EPA 1613B	2,3,7,8-TCDF	0.774	ng/kg	X J	J	23H
23F0143	LDW23-SC1162A	23F0143-24	EPA 6020	Silver	0.28	mg/kg	J	J	8L
23F0143	LDW23-SC1162A	23F0143-24	EPA 8270E	Benzo(g,h,i)perylene	32.3	ug/kg		J	5BL
23F0143	LDW23-SC1162A	23F0143-24	EPA 8270E	Butyl benzyl phthalate	10.9	ug/kg	J	J	5BH
23F0143	LDW23-SC1162A	23F0143-24	EPA 8270E	Indeno(1,2,3-cd)pyrene	28.1	ug/kg		J	5BL
23F0143	LDW23-SC1162A	23F0143-24	EPA 8270E	Phenol	12.4	ug/kg	J	U	7
23F0143	LDW23-SC1162A	23F0143-24RE2	EPA 8270E-SIM	2,4-Dimethylphenol		ug/kg	U	R	10L
23F0143	LDW23-SC1162A	23F0143-24RE2	EPA 8270E-SIM	Benzoic acid	41.3	ug/kg	J	UJ	5BL,7

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23F0143	LDW23-SC1162A	23F0143-24RE2	EPA 8270E-SIM	Benzyl alcohol	96.4	ug/kg		J	5BL,7
23F0143	LDW23-SC1162A	23F0143-24RE2	EPA 8270E-SIM	n-Nitrosodiphenylamine	6.9	ug/kg	M	J	9,12L
23F0143	LDW23-SC1162A	23F0143-24RE2	EPA 8270E-SIM	Pentachlorophenol		ug/kg	U	UJ	5BL
23F0143	LDW23-SS1056	23F0143-25	EPA 6020	Silver	0.39	mg/kg	J	J	8L
23F0143	LDW23-SS1119	23F0143-27	EPA 8270E-SIM	Indeno(1,2,3-cd)pyrene	62.9	ug/kg	D	J	10L
23F0143	LDW23-SS1042	23F0143-28	EPA 6020	Silver	0.04	mg/kg	J	J	8L
23F0143	LDW23-SS1042	23F0143-28	EPA 7471B	Mercury	0.0125	mg/kg	J	J	7L
23F0143	LDW23-SS1067	23F0143-29	EPA 1613B	2,3,7,8-TCDD	1.25	ng/kg	EMPC	J	25
23F0143	LDW23-SS1067	23F0143-29	EPA 1613B	2,3,7,8-TCDF	7.78	ng/kg	X	J	23H
23F0143	LDW23-SS1067	23F0143-29	EPA 1613B	OCDD	9780	ng/kg	E B	J	20
23F0143	LDW23-SS1050	23F0143-30	EPA 6020	Silver	0.14	mg/kg	J	J	8L
23F0143	LDW23-SC1226ADUP1	BLF0318-DUP1	EPA 1613B	1,2,3,7,8-PeCDF	0.953	ng/kg	* EMPC J	U	25
23F0143	LDW23-SC1226ADUP1	BLF0318-DUP1	EPA 1613B	2,3,7,8-TCDD	0.481	ng/kg	* EMPC J	U	25
23F0143	LDW23-SC1226ADUP1	BLF0318-DUP1	EPA 1613B	Total PeCDF	21.6	ng/kg		J	9
23F0143	LDW23-SC1226ADUP1	BLF0318-DUP1	EPA 1613B	Total TCDF	13.2	ng/kg		J	9
23F0143	LDW23-SC1156ADUP1	BLF0693-DUP1	EPA 6020	Cadmium	0.23	mg/kg	L	U	7
23F0143	LDW23-SC1156ADUP1	BLF0693-DUP1	EPA 6020	Silver	0.22	mg/kg	J	J	8L
23F0143	LDW23-SS1056DUP1	BLF0703-DUP1	EPA 6020	Silver	0.34	mg/kg	J	J	8L
23F0143	LDW23-SC1156ADUP1	BLG0047-DUP1	EPA 9060	Total Organic carbon (TOC)	2.24	%		J	1
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	2-Methylnaphthalene	11.3	ug/kg	J	DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Acenaphthene	87.6	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Acenaphthylene	42.3	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Anthracene	106	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Benzo(a)anthracene	789	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Benzo(a)pyrene	705	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Benzo(g,h,i)perylene	416	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Bis(2-ethylhexyl)phthalate	138	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Chrysene	944	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Dibenzo(a,h)anthracene	134	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Dibenzofuran	27.7	ug/kg		DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Fluoranthene	1520	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Fluorene	62.9	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Indeno(1,2,3-cd)pyrene	357	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Naphthalene	11.4	ug/kg	J	DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Phenanthrene	531	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Phenol	34.8	ug/kg		U	7
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Pyrene	1370	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E	Total benzofluoranthenes	1520	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E-SIM	4-Methylphenol	22.2	ug/kg		DNR	11
23H0221	LDW23-SS1233	23H0221-01	EPA 8270E-SIM	Benzoic acid	157	ug/kg	Q	J	5BL
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	2-Methylnaphthalene		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Acenaphthene		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Acenaphthylene		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Anthracene	8	ug/kg	J	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Benzo(a)anthracene	25.6	ug/kg		DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Benzo(a)pyrene	21.4	ug/kg		DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Benzo(g,h,i)perylene	16	ug/kg	J	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Bis(2-ethylhexyl)phthalate	20.7	ug/kg	J	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Butyl benzyl phthalate		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Chrysene	27.9	ug/kg		DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Dibenzo(a,h)anthracene		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Dibenzofuran		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Dimethyl phthalate		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Fluoranthene	49.5	ug/kg		DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Fluorene		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Indeno(1,2,3-cd)pyrene		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Naphthalene		ug/kg	U	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Phenanthrene	25.1	ug/kg		DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Phenol	20.2	ug/kg		U	7
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Pyrene	46.3	ug/kg		DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E	Total benzofluoranthenes	41.8	ug/kg		DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E-SIM	4-Methylphenol	2.3	ug/kg	J	DNR	11
23H0221	LDW23-SS1068	23H0221-02	EPA 8270E-SIM	Benzoic acid	56.1	ug/kg	Q J	J	5BL
23H0221	LDW23-SS1071	23H0221-03	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1071	23H0221-03	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1071	23H0221-03	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1071	23H0221-03	EPA 8270E-SIM	Benzyl alcohol	27.5	ug/kg		DNR	11
23H0221	LDW23-SS1071	23H0221-03	EPA 8270E-SIM	n-Nitrosodiphenylamine	3.9	ug/kg	J	DNR	11
23H0221	LDW23-SS1078	23H0221-04	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1078	23H0221-04	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1078	23H0221-04	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1078	23H0221-04	EPA 8270E-SIM	Benzyl alcohol	26.7	ug/kg		DNR	11
23H0221	LDW23-SS1078	23H0221-04	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23H0221	LDW23-SS1807	23H0221-05	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1807	23H0221-05	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1807	23H0221-05	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1807	23H0221-05	EPA 8270E-SIM	Benzoic acid	22.3	ug/kg	J	U	7
23H0221	LDW23-SS1807	23H0221-05	EPA 8270E-SIM	Benzyl alcohol	12.2	ug/kg	J	DNR	11
23H0221	LDW23-SS1807	23H0221-05	EPA 8270E-SIM	n-Nitrosodiphenylamine		ug/kg	U	DNR	11
23H0221	LDW23-SS1055	23H0221-06	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1055	23H0221-06	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1055	23H0221-06	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1055	23H0221-06	EPA 8270E-SIM	Benzyl alcohol	98.4	ug/kg		DNR	11
23H0221	LDW23-SS1055	23H0221-06	EPA 8270E-SIM	n-Nitrosodiphenylamine	3.6	ug/kg	J	DNR	11
23H0221	LDW23-SS1034	23H0221-07	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1034	23H0221-07	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1034	23H0221-07	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1034	23H0221-07	EPA 8270E-SIM	n-Nitrosodiphenylamine	9	ug/kg		DNR	11
23H0221	LDW23-SS1806	23H0221-08	EPA 8270E-SIM	1,2,4-Trichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1806	23H0221-08	EPA 8270E-SIM	1,2-Dichlorobenzene		ug/kg	U	DNR	11
23H0221	LDW23-SS1806	23H0221-08	EPA 8270E-SIM	1,4-Dichlorobenzene		ug/kg	U	DNR	11

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SDG	Sample ID	Laboratory ID	Method	Analyte	Result	Units	Laboratory Qualifier	Validation Qualifier	Validation Reason
23H0221	LDW23-SS1806	23H0221-08	EPA 8270E-SIM	Benzoic acid	49	ug/kg	J	U	7
23H0221	LDW23-SS1806	23H0221-08	EPA 8270E-SIM	Benzyl alcohol	17.6	ug/kg	J	DNR	11
23H0221	LDW23-SS1806	23H0221-08	EPA 8270E-SIM	n-Nitrosodiphenylamine	1.7	ug/kg	J	DNR	11