

PHASE II REPORT

BRANDON ROAD INTERBASIN PROJECT

**MATTHEW D. MASTERSON, P.E.
KASKASKIA ENGINEERING GROUP, LLC**

**July 5, 2022
Revised August 10, 2022
Revised October 31, 2022**



**Exhibit
1111**

1. Executive Summary

The U.S. Army Corps of Engineers - Rock Island District has contracted with Kaskaskia Engineering Group, LLC (KEG) under task order W912EK21F0068 in accordance with Indefinite Delivery Indefinite Quantity (IDIQ) contract W912EK20D0018. The primary objectives for the request of services were to define overall site geology and engineering properties of site soils and bedrock, and to perform engineering analyses related to bedrock excavation, electrical conductivity and grounding for the proposed electrical barrier feature, and design recommendations for future structural features. Limited clearing, grubbing, and grading is required to gain access to certain test areas for the design of the Brandon Road Interbasin Project, located at Brandon Road Lock and Dam on the Des Plaines River in Joliet, Illinois.

To support this project, KEG has prepared this Phase II report to summarize the tasks as set forth in the project Scope of Work (SOW), which consisted of Marine and Terrestrial drilling and rock coring, installation of observation wells, field and lab testing, and engineering services. The field work completed generally followed the DPP approved by USACE, signed January 26, 2022, except for where described in this report.

Ninety-Four (94) borings and Nine (9) Observation Wells were completed beginning on February 07, 2022 through June 01, 2022, for a total of 103 borings. Two additional borings were authorized under Contract Modification #2 and were completed on October 3, 2022, bringing the boring total to 105. Seventy-three (73) of the borings were Terrestrial-based and Thirty-two (32) were Marine-based borings drilled from a barge and pontoon-based, self-propelled, drilling platform. The Observation Wells were Terrestrial-based. The SOW dated Revised September 07, 2021, originally called for Eighty-One (81) borings with a twelve (12) boring option for a total of Ninety-three (93) borings, with Twenty-seven (27) of those borings being Marine-based and Sixty-six (66) of those Terrestrial-based. The number of Observation Wells (9) were completed as originally requested in the Revised SOW. The SOW Modification 1, dated February 07, 2022, relocated some of the previous boring locations due to modifications and additions to the Recommended Plan layout of the project. The SOW Modification 2, dated August 05, 2022, called for two (2) additional HTRW borings BR-2021-112 and BR-2021-113 to be completed in the upper pool/mooring area.

The drilling depth of terrestrial boring BR-2021-055 was split between that boring and an additional terrestrial boring, BR-2021-048A. Due to drill rig inaccessibility, two Terrestrial borings were converted to additional Marine borings. Boring BR-2021-056 became a Marine boring and remained as labeled and BR-2021-99 was changed to additional Marine boring BR-2021-063A. Three (3) additional Marine boring (BR-2021-002, BR-2021-112 and BR-2021-113) were added during the course of the field work due to ongoing findings and coordination with the US Army Corps of Engineers (USACE), Rock Island District (MVR) personnel during execution of Phase II.

Depths of each boring and the Observation Wells were recommended by MVR in the Revised SOWs. Bedrock was cored in 89 of the 94 borings to reach recommended

depths. Bedrock coring was performed in 28 of the 29 Marine borings and 61 of the 65 Terrestrial borings. Bedrock was also cored in each of the 9 Observation Wells. Drilling consisted of using 3 1/4-inch Hollow-Stem Augers (HSA) with 2-inch diameter rock cores, which was increased to 2.5-inch diameter cores for the Well installations. Four-inch casings were also used during drilling, as needed.

Geotechnical laboratory testing of recovered soil and rock samples was implemented per the Revised SOW, as drilling progressed and after identifying samples suitable for testing and representative of the site conditions. A laboratory test spreadsheet was developed by KEG for keeping track of the various soil and rock tests and for use in review and approval by MVR personnel, as shown in Figure 1 below and in Attachment G – Laboratory Soil Testing Data.

Boring ID	Drilling Completed	Soil Test(s) Assigned	Gradation (Shale)	Liquid Limit and Plastic Limit (Shale)	Mohr's Circle (Shale)	Standard Test Method for Bulk Electrical Resistivity or Bulk Conductivity of Concrete	Electrical Resistivity Soil (Lab)	Electrical Resistivity Rock (Lab)	Standard Test Method for Measuring pH of Soil for Use in Corrosion Testing	Extractable Sulphides	Standard Test Method for Lab Determination of Water (Moisture) Content of Soil and Rock by Mass	Soil Gradation Test	Standard Test Methods for Liquid Limit, Plastic Limit, and Shrinkage of Soils
Observation Boring			ASTM D153	ASTM D4318	ASTM D2216	ASTM C1064-15	ASTM G107-18 or G107-18 or G107-18 or G107-18	ASTM G107-18 or G107-18 or G107-18 or G107-18	ASTM D5118	ASTM D5118	ASTM D2220	ASTM D698	ASTM D4318
Marine Boring			NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST
BP-2011-01	2011-01-01	2011-01-01	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN	NO TEST REMAIN
BP-2011-02	2011-01-01	2011-01-01											
BP-2011-03	2011-01-01	2011-01-01											
BP-2011-04	2011-01-01	2011-01-01											
BP-2011-05	2011-01-01	2011-01-01											
BP-2011-06	2011-01-01	2011-01-01											
BP-2011-07	2011-01-01	2011-01-01											
BP-2011-08	2011-01-01	2011-01-01											
BP-2011-09	2011-01-01	2011-01-01											
BP-2011-10	2011-01-01	2011-01-01											
BP-2011-11	2011-01-01	2011-01-01											
BP-2011-12	2011-01-01	2011-01-01											
BP-2011-13	2011-01-01	2011-01-01											
BP-2011-14	2011-01-01	2011-01-01											
BP-2011-15	2011-01-01	2011-01-01											
BP-2011-16	2011-01-01	2011-01-01											
BP-2011-17	2011-01-01	2011-01-01											
BP-2011-18	2011-01-01	2011-01-01											
BP-2011-19	2011-01-01	2011-01-01											
BP-2011-20	2011-01-01	2011-01-01											
BP-2011-21	2011-01-01	2011-01-01											
BP-2011-22	2011-01-01	2011-01-01											
BP-2011-23	2011-01-01	2011-01-01											
BP-2011-24	2011-01-01	2011-01-01											
BP-2011-25	2011-01-01	2011-01-01											
BP-2011-26	2011-01-01	2011-01-01											
BP-2011-27	2011-01-01	2011-01-01											
BP-2011-28	2011-01-01	2011-01-01											
BP-2011-29	2011-01-01	2011-01-01											
BP-2011-30	2011-01-01	2011-01-01											
BP-2011-31	2011-01-01	2011-01-01											
BP-2011-32	2011-01-01	2011-01-01											
BP-2011-33	2011-01-01	2011-01-01											
BP-2011-34	2011-01-01	2011-01-01											
BP-2011-35	2011-01-01	2011-01-01											
BP-2011-36	2011-01-01	2011-01-01											
BP-2011-37	2011-01-01	2011-01-01											
BP-2011-38	2011-01-01	2011-01-01											
BP-2011-39	2011-01-01	2011-01-01											
BP-2011-40	2011-01-01	2011-01-01											
BP-2011-41	2011-01-01	2011-01-01											
BP-2011-42	2011-01-01	2011-01-01											

Figure 1 – Laboratory Test Assignments Spreadsheet

All tests performed to date, as part of Phase II, are summarized in paragraphs and subparagraphs of this report, including Tables and Attachments, as noted. Actual laboratory results are also provided as Attachments.

2. Introduction

The Brandon Road Interbasin Project is located immediately downstream of the Brandon Road Lock and Dam. The navigation lock is located near Illinois Waterway River Mile No. 286 on the Des Plaines River in the City of Joliet, in Will County, Illinois. Primary objectives for the Scope of Work (SOW) are to define overall site geology and the engineering properties of the site soils and bedrock.

Attachments to this report include:

- **Attachment A – Boring Location Map**
- **Attachment B – Boring Logs and Well Diagrams**
- **Attachment C – Subsurface Profiles**

- ***Attachment D – DFRs and Field Logs***
- ***Attachment E – Summary of Rock Drilling Data***
- ***Attachment F – Rock Core Photographs***
- ***Attachment G – Laboratory Soil Testing Data***
- ***Attachment H – Laboratory Rock Testing Data***

3. Soil Sampling

Ninety-Four (94) borings and Nine (9) Observation Wells were completed beginning on February 07, 2022 through June 01, 2022. Sixty-four (64) of the borings were Terrestrial-based and Thirty (30) were Marine-based borings drilled from a barge. The Observation Wells were Terrestrial-based.

The original Revised SOW boring total provided by MVR was Ninety-three (93) borings, with Twenty-seven (27) of those borings being Marine-based and Sixty-six (66) of those being Terrestrial-based; with Twelve (12) of the 66 Terrestrial borings listed as Optional. The SOW Modification 1, dated February 07, 2022, relocated some of the previous boring locations due to modifications and additions to the Recommended Plan layout of the project. The SOW Modification 2, dated August 05, 2022, called for two (2) additional HTRW borings BR-2021-112 and BR-2021-113 to be completed in the upper pool/mooring area.

During the course of the Phase II drilling operations, the drilling depth of terrestrial boring BR-2021-055 was split between that boring and an additional terrestrial boring, BR-2021-048A. Another Terrestrial boring (BR-2021-99) was changed to a Marine boring (BR-2021-063A). Three (3) additional Marine boring (BR-2021-002, BR-2021-112 and BR-2021-113) were added during the course of the field work due to on-going findings and coordination with the US Army Corps of Engineers (USACE), Rock Island District (MVR) personnel during execution of the overall Phase II program. See Tables 4.1 and 4.2 - Summary of Boring Information below, for details of the completed borings and wells. Elevations in Tables 4.1 and 4.2 were compiled from surveying done after the borings were completed to confirm final boring locations and surface elevations for accuracy due to potential offsets or other impacts to the staked locations during field exploration. The accompanying field logs for each boring used staked elevations, so some discrepancies between the following tables and the field log elevations might exist. See Attachment A – Boring Location Map for As-Drilled boring locations. See Attachment B – Boring Logs and Well Diagrams and Attachment C – Subsurface Profiles for additional details. Attachment D – DFRs and Field Logs are also included for reference.

Table 4.1 - Summary of Boring Information

Boring Number	Thickness of Overburden (feet)	Thickness of Rock (feet)	Depth of Groundwater (feet)	Surface Elevation (feet)	Top Rock Elevation (feet)
BR-2021-001	32.5	0.0	15.5	543.3	N/A
**BR-2021-002	20.0	0.0	N/A	535.3	N/A
BR-2021-003	18.8	0.0	11.5	517.6	498.8
BR-2021-004	10.5	23.5	8.5	509.2	498.7
BR-2021-005	10.0	24.0	6.0	509.7	499.7
BR-2021-006	10.5	25.0	8.5	511.4	500.9
BR-2021-007	10.0	35.0	8.5	511.9	501.9
BR-2021-008	14.0	2.0	9.0	515.5	501.5
BR-2021-009	27.5	0.0	N/A	544.0	N/A
BR-2021-010	N/A (Did not Drill)				
BR-2021-011	N/A (Did not Drill)				
BR-2021-012	N/A (Did not Drill)				
BR-2021-013	24.5	55.0	6.0	522.0	497.5
BR-2021-014	20.0	55.0	6.0	517.2	497.2
BR-2021-015	14.5	23.0	11.0	513.3	498.8
BR-2021-016	12.5	24.0	8.5	512.1	499.6
BR-2021-017	13.0	24.0	6.0	512.0	499.0
BR-2021-018	14.0	52.0	8.5	512.1	498.1
BR-2021-019	14.0	30.0	11.0	513.2	499.2
BR-2021-020	15.0	5.0	8.5	512.4	497.4
BR-2021-021	12.0	8.0	8.5	510.0	498.0
BR-2021-022	10.0	30.0	7.5	510.5	500.5
BR-2021-023	10.0	26.0	6.0	510.4	500.4
BR-2021-024	12.0	24.0	8.0	510.3	498.3
BR-2021-025	10.0	10.0	6.0	509.9	499.9
BR-2021-026	10.0	45.0	8.5	509.8	499.8
BR-2021-027	10.5	24.5	6.0	509.8	499.3
BR-2021-028	11.0	9.0	6.0	509.7	498.7
BR-2021-029	10.0	24.0	8.5	509.7	499.7
BR-2021-030	11.0	48.0	8.5	511.6	500.6
BR-2021-031	14.5	28.0	13.5	514.5	500.0
BR-2021-032	16.0	29.0	13.5	517.4	501.4
BR-2021-033	20.0	0.0	15.0	518.2	N/A
BR-2021-034	16.0	64.0	N/A	517.7	501.7
BR-2021-035	24.0	53.0	16.0	518.1	494.1

Table 4.1 - Summary of Boring Information

Boring Number	Thickness of Overburden (feet)	Thickness of Rock (feet)	Depth of Groundwater (feet)	Surface Elevation (feet)	Top Rock Elevation (feet)
BR-2021-036	20.0	24.0	16.0	518.1	498.1
BR-2021-037	20.0	24.0	16.0	517.7	497.7
BR-2021-038	20.0	25.0	13.0	517.8	497.8
BR-2021-039	18.0	20.0	16.0	517.8	499.8
BR-2021-040	20.0	24.0	16.0	518.0	498.0
BR-2021-041	20.0	25.0	14.0	518.0	498.0
BR-2021-042	21.0	23.0	14.0	517.5	496.5
BR-2021-043	18.5	45.0	17.0	517.5	499.0
BR-2021-044	23.0	20.0	16.0	517.7	494.7
BR-2021-045	21.0	24.0	18.5	518.2	497.2
BR-2021-046	22.0	24.0	18.5	519.3	497.3
BR-2021-047	20.0	44.0	18.5	519.1	499.1
BR-2021-048	22.0	18.0	14.0	518.8	496.8
BR-2021-048A	22.0	14.0	N/A	518.9	496.9
BR-2021-049	20.0	23.0	14.5	518.8	498.8
BR-2021-050	20.0	23.0	16.0	518.4	498.4
BR-2021-051	20.0	45.5	13.5	518.4	498.4
BR-2021-052	20.0	19.0	16.0	519.4	499.4
BR-2021-053	21.0	20.0	16.0	520.0	499.0
BR-2021-054	22.0	40.0	16.0	521.0	499.0
BR-2021-055	25.0	10.0	18.5	522.4	497.4
**BR-2021-056	3.0	63.0	N/A	494.8	491.8
BR-2021-057	15.0	60.0	9.5	513.7	498.7
BR-2021-058	15.0	5.0	8.5	513.3	498.3
**BR-2021-059	0.2	23.6	N/A	493.5	493.3
BR-2021-060	N/A (Did not Drill)				
**BR-2021-061	4.0	16.0	N/A	494.2	490.2
BR-2021-062	N/A (Did not Drill)				
**BR-2021-063	1.5	23.7	N/A	492.5	491.0
**BR-2021-063A	0.0	20.0	N/A	492.3	492.3
BR-2021-064	N/A (Did not Drill)				
**BR-2021-065	0.0	20.0	N/A	493.0	493.0
BR-2021-066	N/A (Did not Drill)				
**BR-2021-067	0.5	20.0	N/A	491.7	491.2
BR-2021-068	N/A (Did not Drill)				

Table 4.1 - Summary of Boring Information

Boring Number	Thickness of Overburden (feet)	Thickness of Rock (feet)	Depth of Groundwater (feet)	Surface Elevation (feet)	Top Rock Elevation (feet)
**BR-2021-069	0.0	40.0	N/A	491.7	491.7
BR-2021-070	N/A (Did not Drill)				
**BR-2021-071	0.5	40.0	N/A	490.1	489.6
BR-2021-072	N/A (Did not Drill)				
BR-2021-073	N/A (Did not Drill)				
**BR-2021-074	1.5	20.0	N/A	493.1	491.6
**BR-2021-075	0.0	40.0	N/A	490.5	490.5
BR-2021-076	N/A (Did not Drill)				
BR-2021-077	N/A (Did not Drill)				
**BR-2021-078	0.0	20.0	N/A	493.5	493.5
BR-2021-079	N/A (Did not Drill)				
**BR-2021-080	0.5	20.0	N/A	489.9	489.4
**BR-2021-081	1.0	40.0	N/A	490.9	489.9
BR-2021-082	N/A (Did not Drill)				
BR-2021-083	N/A (Did not Drill)				
**BR-2021-084	0.0	20.0	N/A	491.3	491.3
BR-2021-085	N/A (Did not Drill)				
**BR-2021-086	2.0	18.0	N/A	492.6	490.6
**BR-2021-087	0.0	40.0	N/A	490.6	490.6
BR-2021-088	N/A (Did not Drill)				
BR-2021-089	17.0	57.0	9.0	514.5	497.5
BR-2021-090	16.5	4.0	9.0	514.0	497.5
BR-2021-091	16.0	22.0	10.5	513.4	497.4
BR-2021-092	16.0	22.0	10.5	513.5	497.5
BR-2021-093	16.0	43.0	11.0	513.4	497.4
BR-2021-094	16.0	23.5	11.0	513.4	497.4
BR-2021-095	16.0	22.0	11.0	513.4	497.4
BR-2021-096	17.0	27.0	11.0	513.3	496.3
BR-2021-097	16.0	42.0	11.0	513.3	497.3
BR-2021-098	16.0	22.0	7.0	513.4	497.4
BR-2021-099	N/A (Did not Drill) <i>Drilled as Marine Boring BR-2021-063A</i>				
**BR-2021-100	2.5	18.0	N/A	493.8	491.3
**BR-2021-101	2.5	34.0	N/A	494.8	492.3
**BR-2021-102	7.0	13.0	N/A	492.5	485.5
**BR-2021-103	0.0	20.0	N/A	491.0	491.0

Table 4.1 - Summary of Boring Information					
Boring Number	Thickness of Overburden (feet)	Thickness of Rock (feet)	Depth of Groundwater (feet)	Surface Elevation (feet)	Top Rock Elevation (feet)
**BR-2021-104	3.0	17.0	N/A	493.8	490.8
**BR-2021-105	2.0	18.0	N/A	492.2	490.2
**BR-2021-106	1.5	19.0	N/A	492.0	490.5
**BR-2021-107	2.5	18.0	N/A	495.0	492.5
**BR-2021-108	1.5	43.0	N/A	492.9	491.4
**BR-2021-109	2.0	18.0	N/A	491.7	489.7
**BR-2021-110	2.0	18.0	N/A	492.6	490.6
**BR-2021-111	2.0	19.0	N/A	493.8	491.8
**BR-2021-112	8.5	0.0	N/A	537.0	N/A
**BR-2021-113	8.5	0.0	N/A	536.1	N/A

**** Indicates Marine Borings**

Table 4.2 - Summary of Boring Information Observation Wells					
Boring Number	Thickness of Overburden (feet)	Thickness of Rock (feet)	Depth of Water (feet)	Surface Elevation (feet)	Top Rock Elevation (feet)
BRW-2021-001	56.3 (Concrete)	5.8	N/A	542.4	486.1
BRW-2021-002	56.2 (Concrete)	5.8	N/A	542.5	486.3
BRW-2021-003	57.0 (Concrete)	5.0	N/A	542.4	485.4
BRW-2021-004	56.8 (Concrete)	6.2	N/A	542.3	485.5
BRW-2021-005	16.0	28.0	11.0	513.3	497.3
BRW-2021-006	16.0	21.0	9.5	513.0	497.0
BRW-2021-007	20.5	56.5	16.0	518.0	497.5
BRW-2021-008	23.0	20.0	N/A	517.7	494.7
BRW-2021-009	23.0	40.0	16.5	521.5	498.5

Borings were completed using three drill rigs consisting of a Diedrich Model D-120 All-Terrain rig and a Geoprobe 7822DT All-Terrain rig for the Terrestrial borings and Observation Wells and a truck-mounted Mobile B57 rig on a spud barge for the Marine borings. Sampling for the two added HTRW borings consisted of piston-tube sampling

using hand methods from a pontoon-based, self-propelled, drilling platform. Hollow stem augers were used to drill through soil and/or top of weathered bedrock to permit sampling of these materials. The hollow stem augers were advanced until refusal was encountered. Samples of the unconsolidated materials were obtained using a 2-inch outside diameter (OD) split-spoon sampler. The number of blows needed to drive the split-spoon into the soil was recorded on the field logs along with a description of the recovered soil. Split-spoon sampling was conducted in accordance with ASTM D 1586-84 and Engineering Manual EM 1110-2-1907. Samples were placed in standard geotechnical sample jars and labeled as specified by KEG's Field Engineers.

General areas for recommended HTRW soil sampling were also provided by MVR during the course of the Phase II drilling program. See below Figure 2 - Example Boring Plan of Recommended HTRW Sampling Locations.

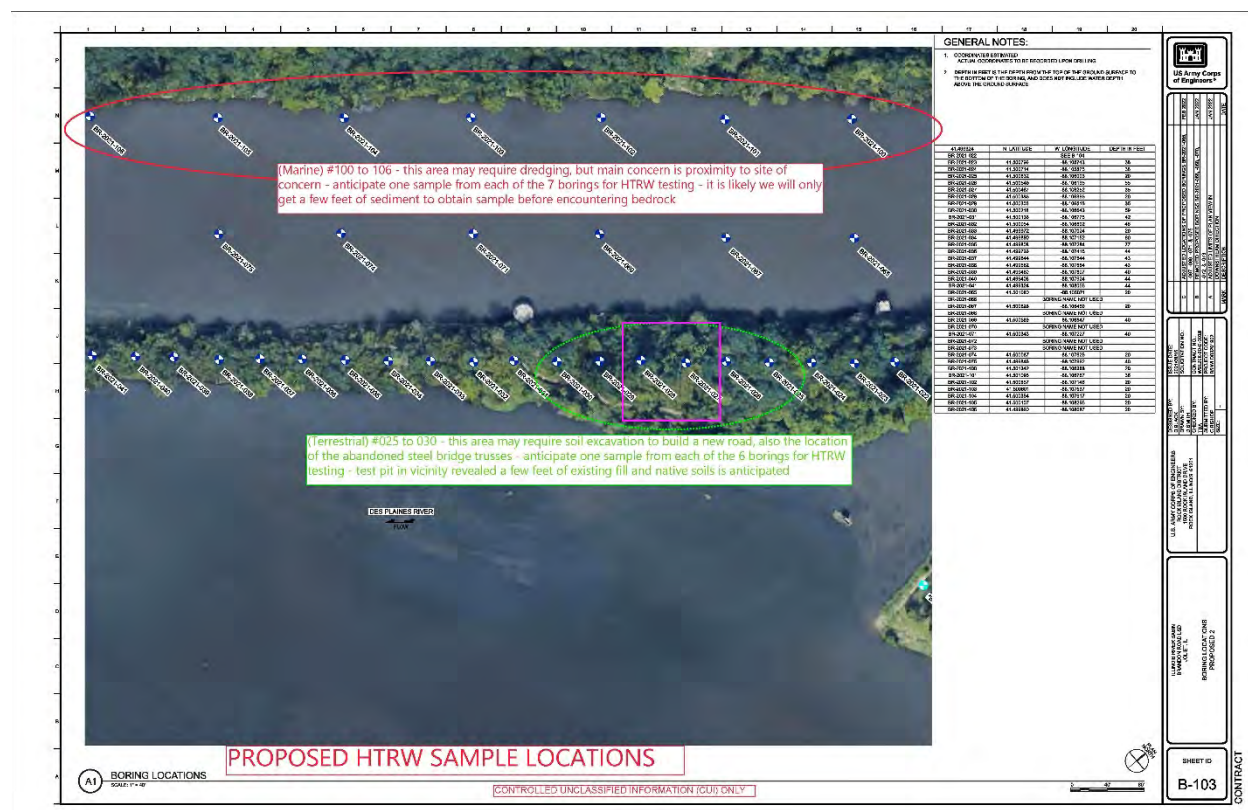


Figure 2 - Example Boring Plan of Recommended HTRW Sampling Locations

A range of both Terrestrial and Marine borings were flagged for collection of soil samples for HTRW sampling and testing. Poor sample recovery hindered the initial attempts at collecting sufficient soil samples of the recommended Marine borings at the time of completion of the entire borehole, resulting in a return to each of the respective Marine boring locations for additional attempts of soil sample collection using different sampler methods than the equipment used for the initial sample recoveries. Additional samples were obtained, however, many samples tended to be more cohesionless and granular in nature in some cases, and/or not present at all on the bottom of the river above the existing bedrock surface. As discussed above, in SOW Modification 2, two (2) additional

HTRW borings were added and completed on October 03, 2022. Table 4.3 below summarizes the borings and depths of which HTRW soils were sufficiently collected and tested, including the added HTRW borings.

After the collected samples were sent to the lab and tested, USACE determined that the granular HTRW sample results were not valid due to the over-processing of the samples, and the typical assumption that granular materials do not hold contaminants well due to their void space. Additional sampling and testing would be required to report results meeting industry-recognized testing standards, but USACE should be aware of the likelihood that some materials in the channel downstream of the lock may contain contaminants. Only the HTRW testing completed using industry-recognized testing standards, are summarized in this report as provided in Attachment G – Soil Laboratory Test Data.

Table 4.3 - HTRW Sample Testing Summary		
Boring Number	Depth (ft)	Elevation (ft)
BR-2021-002	0-20	535.3
BR-2021-003	3-5	514.6
BR-2021-008	3-5	512.5
BR-2021-018	3-5	509.1
BR-2021-019	3-5	510.2
BR-2021-025	3-5	506.9
BR-2021-026	3-5	506.8
BR-2021-027	3-5	506.8
BR-2021-028	3-5	506.7
BR-2021-029	3-5	506.7
BR-2021-030	3-5	508.6
BR-2021-058	3-5	510.3
BR-2021-112	0-8.5	537.0
BR-2021-113	0-8.5	536.1

Other than poor sample recovery due to the cohesionless and granular nature of the soils, or little to no overburden soil materials at all present above the existing bedrock of the river bottom in some cases, weather and river conditions did not adversely affect the geotechnical exploration program to a significant degree. Barge traffic through the lock and dam was the only impact to delays in Marine drilling, on some days. Water levels due to operation of the lock did impact obtaining water for rock coring in cases where

borings were completed adjacent to the lock, such as for installation of the Observation Wells through the lock walls.

4. Rock Coring

Bedrock coring was performed in 28 of the 30 Marine borings and 61 of the 65 Terrestrial borings. Bedrock was cored using a 2-inch inside diameter (NQ) core barrel and attempted in most cases with 10-foot runs. Rock coring was conducted according to ASTM D 2113-83 and Engineer Manual (EM) 1110-1-1804. Rock core was logged and placed in standard waxed boxes. Total Recovery and Rock Quality Designation (RQD) for each core run were recorded and rock core photographs were taken during field exploration. Figure 3a and 3b below show plots of the RQD versus Elevation for the Marine and Terrestrial borings, respectively.

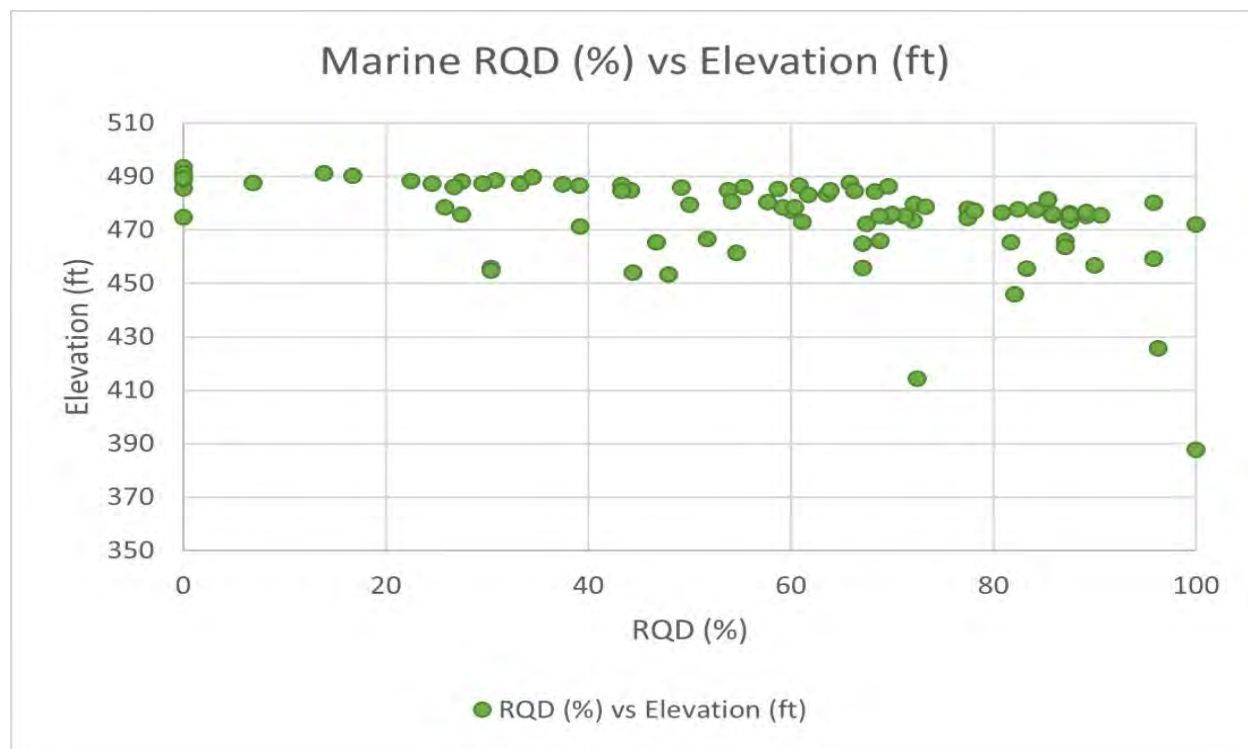


Figure 3a – Marine borings – RQD versus Elevation

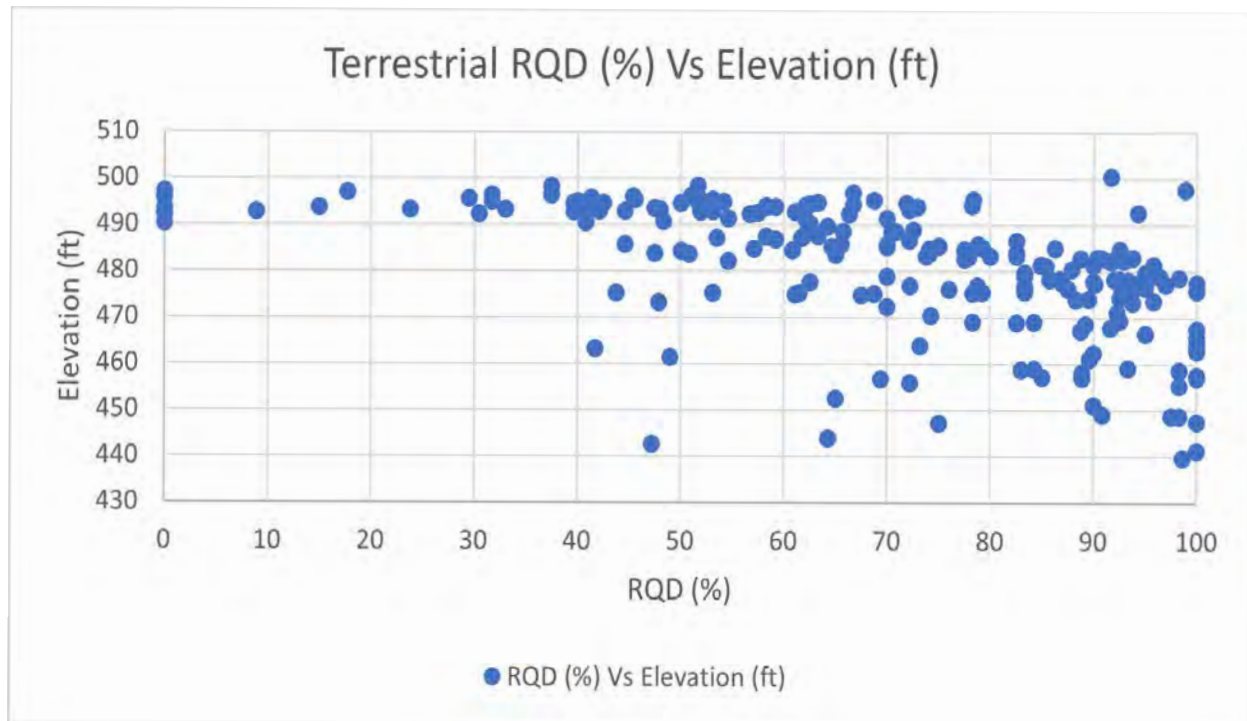


Figure 3b – Terrestrial borings – RQD versus Elevation

Rock core information from this exploration is summarized in Attachment E, with rock core photographs summarized in Attachment F.

5. Borehole Abandonment

Upon completion, each boring was backfilled using bentonite chips and cuttings for the Terrestrial borings and a cement-bentonite grout for the Marine borings. Grout was placed from the bottom up using a 1-inch diameter PVC grout pipe. Boreholes BR-2021-001 and BR-2021-009, the two borings through the body of the dam, were backfilled using bentonite chips and cuttings, and a cement-bentonite grout was used to backfill the upper portion of the holes.

Because of the cohesionless soils encountered during many of the borings along the peninsula, some boreholes collapsed after removal of the hollow-stem augers before the backfilling process was started. In these instances, only the upper part of the borehole was backfilled.

6. Laboratory Soil Testing

Cohesive samples were tested for natural moisture content (ASTM D2216) and Atterberg Limits (ASTM D4318). The results of Atterberg limits tests performed on cohesive samples are shown in Table 6-1. Moisture contents of all the soils are shown on the boring

logs. See Attachment G – Laboratory Soil Testing Data for specific laboratory test result sheets and plots of Atterberg results.

Samples of non-cohesive materials were subjected to grain size testing (Gradations ASTM D6913). The results of tests performed on cohesionless samples are shown in Table 6-2. The grain size distribution of samples tested generally indicated a low percentage of fines, and a relatively high percentage of gravel and sands. See Attachment G – Laboratory Soil Testing Data for specific laboratory test results and plots of the grain size analyses.

Table 6.1 - Laboratory Test Results-Cohesive Soil Samples						
Boring ID	Depth (feet)	Elevation (feet)	Unified Soil Classification	Liquid Limit	Plastic Limit	Plastic Index
BR-2021-008	6.0-7.5	509.5	LEAN CLAY w/ SAND (CL)	35	13	22
BR-2021-009	23.5-25.0	520.5	LEAN CLAY (CL)	45	17	28
BR-2021-014	11.0-12.5	506.2	FAT CLAY (CH)	52	20	32
BR-2021-029	3.5-5.0	506.2	ORGANIC CLAY (OH)	60	34	26
BR-2021-032	8.5-12.5	508.9	CLAYEY GRAVEL w/ SAND (GC)	40	22	18
BR-2021-057	1.0-10.0	512.7	LEAN CLAY (CL)	43	22	21
BR-2021-089	3.5-5.0	511.0	LEAN CLAY (CL)	49	18	31
BR-2021-091	1.0-5.0	512.4	LEAN CLAY w/ SAND (CL)	40	19	21
BR-2021-093	8.5-10.0	504.9	LEAN CLAY (CL)	49	17	32
BR-2021-095	6.0-7.5	507.4	LEAN CLAY (CL)	46	23	23

Table 6.2 – Sieve/Hydrometer Analysis						
Boring ID	Depth (ft.)	Elevation (ft.)	Unified Soil Classification	Percent Gravel	Percent Sand	Percent Fines
BR-2021-001	18.0	525.3	SILTY GRAVEL (GM)	58.2	27.7	14.1
BR-2021-002	13.0	522.3	SILTY SAND (SM)	2.2	41.5	56.3
BR-2021-005	6.0	503.7	SILTY GRAVEL (GM)	67.4	10.9	21.7
BR-2021-014	18.5	498.7	SILTY GRAVEL w/ SAND (GM)	33.9	30.3	35.8
BR-2021-017	8.5	503.5	SILTY GRAVEL (GM)	71.1	8.8	20.2
BR-2021-023	6.0	504.4	SILTY GRAVEL w/ SAND (GM)	46.2	20.7	33.1
BR-2021-032	8.5	508.9	CLAYEY GRAVEL w/ SAND (GC)	31.5	28.5	40.1
BR-2021-056	0.0	494.8	WELL GRADED GRAVEL w/ SILT and SAND (GW-GM)	58.2	34.2	7.6
BR-2021-059	0.0	494.0	WELL GRADED GRAVEL w/SAND (GW)	59.2	33.3	7.4

Table 6.2 – Sieve/Hydrometer Analysis

Boring ID	Depth (ft.)	Elevation (ft.)	Unified Soil Classification	Percent Gravel	Percent Sand	Percent Fines
BR-2021-063	0.0	492.5	WELL GRADED GRAVEL w/SAND (GW)	69.7	25.1	5.3
BR-2021-080	0.0	489.9	WELL GRADED GRAVEL w/SAND (GW)	76.6	20.9	2.5
BR-2021-089	10.5	504.0	CLAYEY SAND w/ GRAVELS (CL)	47.2	22.9	29.8
BR-2021-091	13.0	500.4	SILTY GRAVEL w/SAND (GM)	58.0	29.5	12.4
BR-2021-093	13.0	500.4	CLAYEY SAND w/GRAVEL (SC)	25.1	61.9	13.0
BR-2021-095	13.0	500.4	WELL- GRADED SAND w/GRAVEL (SW)	48.1	39.7	12.2
BR-2021-100	0.0	493.8	WELL GRADED GRAVEL w/ SAND (GW)	73.3	23.9	2.8

Table 6.2 – Sieve/Hydrometer Analysis

Boring ID	Depth (ft.)	Elevation (ft.)	Unified Soil Classification	Percent Gravel	Percent Sand	Percent Fines
BR-2021-102	0.0	492.5	POORLY GRADED GRAVEL w/ SAND (GP)	64.5	34.0	1.5
BR-2021-104	0.0	493.8	WELL GRADED GRAVEL w/SAND (GW)	54.2	38.2	7.6
BR-2021-106	0.0	492.0	WELL GRADED GRAVEL w/SAND (GW)	56.3	38	5.6
BR-2021-107	0.0	495	POORLY GRADED GRAVEL w/ SAND (GP)	76.1	22	1.8
BR-2021-108	0.0	492.9	WELL GRADED SAND w/GRAVEL (SW)	48.3	43.8	7.9
BR-2021-109	0.0	491.7	POORLY GRADED GRAVEL w/ SILT and SAND (GP-GM)	75.6	18.5	5.8

Table 6.2 – Sieve/Hydrometer Analysis

Boring ID	Depth (ft.)	Elevation (ft.)	Unified Soil Classification	Percent Gravel	Percent Sand	Percent Fines
BR-2021-110	0.0	492.6	WELL GRADED GRAVEL w/SAND (GW)	67.8	26.5	5.7
BR-2021-112	0.0	537.0	SILTY SAND (SM)	0.0	23.3	76.6
BR-2021-112	4.0	533.0	SILTY SAND (SM)	0.0	19.8	80.2
BR-2021-113	0.0	536.1	SILTY SAND (SM)	0.0	24.3	75.7
BR-2021-113	4.0	532.1	SILTY SAND (SM)	0.0	26.0	74.0
BRW-2021-005	5.0	508.3	CLAYEY SAND w/GRAVEL (SC)	37.6	36.7	25.7
BRW-2021-006	13.5	499.5	CLAYEY SAND w/GRAVEL (SC)	30.0	45.9	24.2
BRW-2021-007	16.8	501.2	CLAYEY GRAVEL w/SAND (GC)	62.0	22.7	15.3
BRW-2021-008	5.0	512.7	POORLY GRADED GRAVEL (GP)	82.6	12.7	4.7

Table 6.2 – Sieve/Hydrometer Analysis						
Boring ID	Depth (ft.)	Elevation (ft.)	Unified Soil Classification	Percent Gravel	Percent Sand	Percent Fines
BRW-2021-009	5.0	516.5	POORLY GRADED GRAVEL w/ SAND (GP)	79.5	15.5	5.0

Standard Proctor tests (ASTM D 698) were completed on bulk samples obtained from auger cuttings from borings BR-2021-003 and BR-2021-008. Both Proctor samples classified as Lean Clay (CL) with Maximum Dry Densities (MDD) of the two Proctors were 107.8 pcf and 114.5 pcf, respectively, with Optimum Moisture Contents (OMC) of 13.8 and 16.4 percent. Standard Proctors were also collected during test pit excavations completed in Phase I from Test Pits BR-2021-001P, BR-2021-003P and BR-2021-005P. Those Proctor samples classified as Sandy Gravels with MDD ranging from 102.8 to 146.1 with OMC ranging from 6 to 20.9 percent.

Table 6.3 – Standard Proctor Results			
Boring ID	Depth (ft.)	Optimum Moisture (%)	Max Dry Unit Weigh (pcf)
BR-2021-001P	0-10.0	18	109.1
BR-2021-003P	0-10.0	6	146.1
BR-2021-003	0-9.0	16.4	107.8
BR-2021-005P	0-10.0	4.9	150.1
BR-2021-008	0-9.0	12.7	117.9

Laboratory plots of the Standard Proctors are in Attachment G – Laboratory Soil Testing Data.

Additional laboratory soil tests completed on representative soil samples include, pH of soil (ASTM G51), electrical resistivity (ASTM G187 or G57), Oxidation-Reduction Potential (ASTM G200), Sulfate Ion Content (AASHTO T290 or ASTM C1580), Chloride Ion Content (AASHTO T291), electrical resistivity (Soil) (ASTM C1876) and extractable sulfides (EPA Method 9031). The extractable sulfides test was not available from any subcontracted lab at the time of this report.

Table 6.4 – Soil pH		
Boring ID	Depth (ft.)	pH
BR-2021-001	18.5-27.5	6.9
BR-2021-074	0-1.5	7.8
BR-2021-081	0-1.5	8.6
BR-2021-086	0-1.5	8.5
BR-2021-089	6-7.5	7.8
BR-2021-093	1-2.5	7.4
BR-2021-094	1.0-5.0	7.6
BR-2021-095	3.5-5.0	7.5
BR-2021-101	0-1.5	8.6
BR-2021-105	3.5-5.0	7.5

Table 6.5 – Soil Resistivity		
Boring ID	Depth (ft)	Minimum Resistivity (Ω -cm)
BR-2021-001	3.5-12.5	3317
BR-2021-090	1.0-5.0	2184
BR-2021-092	1.0-10.0	1709
BR-2021-094	6.0-10.0	2057

Table 6.6 – Corrosivity Analysis					
Sample ID	BR-2021-020	BR-2021-024	BR-2021-028	BR-2021-031	BR-2021-036&37
Sample Number	SS #1-4	SS #1-5	SS #1-4	SS #1-5	SS #5&6
Sample Depth	1.0'-10.0'	1.0'-12.5'	1.0'-10.0'	1.0'-12.5'	11.0'-15.0'
Resistivity, (ohms-cm)	1690	1600	2450	1400	1650
pH	7.78	7.97	7.96	7.96	8.05
Total Salts (mg/kg)	1607.4	1754.04	1455.12	2442.12	1477.68
Chlorides (mg/kg)	100	125	62.5	37.5	75
Red-OX (mV)	548.2	566.3	579.6	405.5	435.1

Table 6.6 – Corrosivity Analysis					
Sample ID	BR-2021-020	BR-2021-024	BR-2021-028	BR-2021-031	BR-2021-036&37
Water Sol Sulfates (mg/kg)	18.1	82.27	29.34	111.76	59.81
Sulfides (mg/kg)	NIL	NIL	NIL	NIL	NIL

Table 6.6 – Corrosivity Analysis (Cont.)					
Sample ID	BR-2021-040	BR-2021-044	BR-2021-048	BR-2021-052	BR-2021-055
Sample Number	SS #2-6	SS #2-6	SS #2-8	SS #5-8	SS #1-6
Sample Depth	3.5'-15.5'	3.5'-15.0'	3.5'-20.0'	11.0'-20.0'	1.0'-15.0'
Resistivity, (ohms-cm)	2100	1400	1500	1700	1700
pH	8.32	8.15	8.07	8.51	7.66
Total Salts (mg/kg)	1195.68	1551	4574.04	1641.24	12746.4
Chlorides (mg/kg)	87.5	117.5	112.5	45	75
Red-OX (mV)	402.1	400.8	431.6	415.8	437.3
Water Sol Sulfates (mg/kg)	35.24	44.37	700.58	84.1	4352.3
Sulfides (mg/kg)	NIL	NIL	NIL	NIL	NIL

7. Laboratory Rock Testing

Rock testing specified in the SOW and completed for this project included visual classification and geologic description and percent Recovery & Rock Quality Designation (RQD) per EM 1110-1-1804. Additional laboratory rock tests include; Unit Weight (ASTM D4543 & RTH 109-93), Mineral Composition ((Petrographic Analysis (RTH 102-93) or X-Ray Diffraction)), Compressive Strength (ASTM D7012-Method-A), Compressive Strength (ASTM D7012, Method C), Compressive Strength & Elastic Moduli (ASTM D7012, Method D), Electrical Resistivity (ASTM C1876), Rock Abrasiveness (ASTM

D7625), Direct Tensile Strength (ASTM D2936 & RTH 112-93), Splitting Tensile Strength (ASTM D3967 & RTH 113-93), Direct Shear Test – Intact Samples (RTH 203-80), Direct Shear Test – Natural Fractured Samples (RTH 203-80), Direct Shear Test – Smooth Sawn Samples (RTH 203-80) and Specific Gravity and Absorption (Rock), (ASTM C127 or C128). Compressive Strength & Elastic Moduli (ASTM D7012, Method B, could not be completed by the subcontracted laboratory due to equipment malfunction and breakdown and unavailability of replacement parts. Additional Method D tests were then substituted for the Method B requests due to time constraints. Table 7.1 thru 7.13 below summarizes the results of rock tests completed on representative samples as indicated above.

Table 7.1 - Effective and Dry Unit Weight & Porosity of Rock						
Boring ID	Depth (ft.)	Effective Unit Weight (pcf)	Moisture Content (%)	Dry Unit Weight (pcf)	Compressive Strength (psi)	Porosity (%)
BR-2021-014	49.47-49.84	164.81	1.40		10,501	5.393
BR-2021-014	72-73	167.31	0.66		16,717	3.3357
BR-2021-023	32-34	167.93	0.14		19,534	3.184
BR-2021-032	34.94-35.30	171.68	0.09		26,580	4.744
BR-2021-040	42.5	163.56	0.30	162.94		8.664
BR-2021-057	30	167.93	0.59	166.68		6.018
BR-2021-057	67	162.31	1.50	159.82		1.974

Table 7.2 – Unit Weight of Rock		
Boring ID	Depth (ft.)	Bulk Density (pcf)
BR-2021-005	19	173
BR-2021-023	15	172
BR-2021-032	27	172
BR-2021-034	75-76	166
BR-2021-037	27	170
BR-2021-040	22.5	172
BR-2021-043	19	169
BR-2021-043	50	160
BR-2021-046	30.5	168
BR-2021-046	38.5-39.5	170
BR-2021-047	29	171
BR-2021-047	59-60	158

Table 7.2 – Unit Weight of Rock		
Boring ID	Depth (ft.)	Bulk Density (pcf)
BR-2021-049	35	161
BR-2021-049	39	168
BR-2021-051	22	173
BR-2021-051	49.5	161
BR-2021-054	60	161
BR-2021-056	8.33	165
BR-2021-056	50	164
BR-2021-057	49	170
BR-2021-059	33	166
BR-2021-061	18	168
BR-2021-063	28.5	169
BR-2021-067	39-39.75	170
BR-2021-074	24.5	170
BR-2021-074	28-29	171
BR-2021-078	5	163
BR-2021-081	36.5	149
BR-2021-089	25.5	168
BR-2021-089	26	164
BR-2021-097	50	163
BR-2021-100	15	171
BR-2021-102	11-11.83	171
BR-2021-102	18	162
BR-2021-106	10	165
BR-2021-106	12	159
BR-2021-106	18	154
BR-2021-108	26	160
BR-2021-108	30.75	162
BR-2021-108	43.5	165
BR-2021-111	10	170

Table 7.3 – Petrographic and X-Ray Diffraction Data (Weight Percent)								
Boring ID	Depth (ft.)	Quartz	K-Feldspar	Calcite	Dolomite	Pyrite	illite & Mica	TOTAL
BR-2021-014	72	46	<1	5	46	1	2.0	100
BR-2021-034	78	9.6	3.5	0.1	80.2	1.5	5.1	100
BR-2021-045	38.5	6.9	0.5	0.1	89	0.2	3.3	100

BR-2021-057	17	1.9	1.2	0.1	93.2	0	3.6	100
BR-2021-057	62.5	6.7	1.3	0	89.6	0	2.4	100
BR-2021-078	7	1.6	0	0.2	96.3	0	1.9	100
BR-2021-100	6	0.9	0.8	0.1	96.6	0.3	1.3	100
BR-2021-100	15	3.2	0.8	0.1	94.4	0	1.5	100

Table 7.4 – Triaxial Compressive Strength – Method A				
Boring ID	Depth (ft.)	Confining Stress σ_3 (psi)	Max Total Stress σ_1 (psi)	Peak Deviator Stress σ (psi)
BR-2021-005	17	16.4	14,317	14,301
BR-2021-014	60	62.5	21,643	21,581
BR-2021-023	22	22.1	21,577	21,555
BR-2021-032	41.5	42.6	12,965	12,922
BR-2021-034	27	25.9	14,041	14,016
BR-2021-043	35.5	34.9	5,992	5,957
BR-2021-046	22	18.3	14,966	14,947
BR-2021-047	25	22.4	17,203	17,181
BR-2021-049	42	41.9	11,296	11,254
BR-2021-051	42	41.9	11,686	11,644
BR-2021-054	40	39.0	14,163	14,124
BR-2021-056	60	71.8	21,078	21,006
BR-2021-061	14.5	19.6	12,023	12,003
BR-2021-067	26	35.2	16,055	16,020
BR-2021-074	27	35.5	27,097	27,061
BR-2021-078	10	15.9	7,896	7,880
BR-2021-089	72	77.2	16,658	16,580
BR-2021-093	49	51.1	8,617	8,566
BR-2021-097	16	13.3	9,153	9,139
BR-2021-100	18	24.0	9,674	9,650
BR-2021-101	21.5	20.5	10,343	10,322
BR-2021-102	8	11.9	17,844	17,832
BR-2021-106	14	20.6	9,709	9,688
BR-2021-108	17.5	14.2	7,818	7,803

Table 7.5 - Bulk Density and Compressive Strength Method C			
Boring ID	Depth (ft.)	Bulk Density (pcf)	Compressive Strength (psi)
BR-2021-023	15	172	28,125
BR-2021-032	27	172	37,209
BR-2021-040	22.5	172	21,683
BR-2021-043	19	169	22,861
BR-2021-046	30.5	168	18,085
BR-2021-047	29	171	20,630
BR-2021-049	39	168	16,415
BR-2021-051	22	173	22,504
BR-2021-056	50	164	21,304
BR-2021-057	49	170	15,123
BR-2021-059	33	166	16,466
BR-2021-074	24.5	170	11,979
BR-2021-089	26	164	10,065
BR-2021-097	50	163	19,411
BR-2021-102	18	162	9,625
BR-2021-106	12	159	11,148
BR-2021-108	30.75	162	13,982

Table 7.6 - Compressive Strength and Elastic Moduli of Rock Method D					
Boring ID	Depth (ft.)	Peak Compressive Stress (psi)	Stress Range (psi)	Young Modulus (psi)	Poisson's Ratio
BR-2021-005	19	19,628	2,000-7,200	5,310,000	0.32
			7,200-12,400	7,160,000	0.44
			7,200-17,700	6,540,000	--
BR-2021-005	31	2,482	200-900	412,000	0.37
			900-1,600	929,000	--
			1,600-2,200	842,000	--
BR-2021-014	21	22,176	2,200-8,100	5,990,000	0.21
			8,100-14,000	6,420,000	0.24
			14,000-20,000	6,240,000	0.24
BR-2021-014	49.07-49.46	10,501	1,100-3,900	5,470,000	0.28
			3,900-6,700	6,460,000	0.40
			6,700-9,500	7,460,000	--
BR-2021-014	72-73	16,717	1,700-6,100	2,570,000	0.21
			6,100-10,600	2,900,000	0.38
			10,600-15,000	2,920,000	--
BR-2021-023	32	24,095	2,400-8,800	8,100,000	0.35

Table 7.6 - Compressive Strength and Elastic Moduli of Rock Method D					
Boring ID	Depth (ft.)	Peak Compressive Stress (psi)	Stress Range (psi)	Young Modulus (psi)	Poisson's Ratio
			8,800-15,300	8,120,000	0.44
			15,300-21,700	8,990,000	--
BR-2021-023	32-34	19,534	2,000-7,200	7,040,000	0.36
			7,200-12,400	7,430,000	--
			12,400-17,600	7,660,000	--
BR-2021-032	34.54-34.91	26,580	2,700-9,700	8,470,000	0.25
			9,700-16,800	8,740,000	0.27
			16,800-23,900	8,290,000	0.48
BR-2021-032	38	19,244	1,900-7,100	6,000,000	0.24
			7,100-12,200	6,650,000	0.37
			12,200-17,300	6,620,000	--
BR-2021-034	74	22,008	2,200-8,100	3,310,000	0.16
			8,100-13,900	3,390,000	0.26
			13,900-19,800	3,210,000	--
BR-2021-034	75-76	24,879	2,500-9,100	3,310,000	0.19
			9,100-15,800	3,210,000	0.34
			15,800-22,400	2,990,000	--
BR-2021-037	27	19,084	1,900-7,000	3,070,000	0.22
			7,000-12,100	5,260,000	0.48
			12,100-17,200	20,800,000	--
BR-2021-040	41	3,590	400-1,300	1,560,000	0.33
			1,300-2,300	1,830,000	0.33
			2,300-3,200	1,150,000	0.33
BR-2021-043	46	20,306	2,000-7,400	5,620,000	0.25
			7,400-12,900	5,650,000	0.23
			12,900-18,300	4,780,000	0.48
BR-2021-043	50	18,224	1,800-6,700	3,890,000	0.18
			6,700-11,500	4,230,000	0.22
			11,500-16,400	5,000,000	0.40
BR-2021-046	35	21,517	2,200-7,900	7,320,000	0.19
			7,900-13,600	8,420,000	0.28
			13,600-19,400	9,380,000	0.34
BR-2021-046	38.5-39.5	15,271	1,500-5,600	4,210,000	0.03
			5,600-9,700	5,960,000	0.06
			9,700-13,700	8,510,000	0.18
BR-2021-047	59-60	17,483	1,700-6,400	2,940,000	0.20
			6,400-11,100	3,090,000	0.30

Table 7.6 - Compressive Strength and Elastic Moduli of Rock Method D					
Boring ID	Depth (ft.)	Peak Compressive Stress (psi)	Stress Range (psi)	Young Modulus (psi)	Poisson's Ratio
			11,100-15,700	2,830,000	0.46
BR-2021-049	30.5	13,309	1,300-4,900	5,040,000	0.19
			4,900-8,400	5,380,000	0.23
			8,400-12,000	5,320,000	0.26
BR-2021-049	35	16,424	1,600-6,000	10,700,000	0.39
			6,000-10,400	11,000,000	0.41
			10,400-14,800	13,200,000	--
BR-2021-051	49.5	15,818	1,600-5,800	4,800,000	0.24
			5,800-10,000	5,300,000	0.30
			10,000-14,200	--	--
BR-2021-051	60	18,639	1,900-6,800	2,790,000	0.26
			6,800-11,800	3,080,000	0.45
			11,800-16,800	2,950,000	--
BR-2021-054	58	16,061	1,600-5,900	2,490,000	0.20
			5,900-10,200	2,770,000	0.32
			10,200-14,500	2,770,000	--
BR-2021-054	60	14,548	1,500-5,300	2,490,000	0.20
			5,300-9,200	3,210,000	0.34
			9,200-13,100	3,240,000	--
BR-2021-056	8.33	9,527	1,000-3,500	4,040,000	0.15
			3,500-6,000	5,160,000	0.21
			6,000-8,600	5,250,000	0.25
BR-2021-056	12.5	10,918	1,100-4,000	4,980,000	--
			4,000-6,900	6,450,000	--
			6,900-9,800	7,500,000	--
BR-2021-059	25	6,479	600-2,400	4,590,000	0.14
			2,400-4,100	5,890,000	0.20
			4,100-5,800	6,230,000	0.24
BR-2021-061	18	11,178	1,100-4,100	3,570,000	0.29
			4,100-7,100	4,730,000	0.44
			7,100-10,100	4,480,000	0.40
BR-2021-063	28.5	14,454	1,400-5,300	5,260,000	0.21
			5,300-9,200	6,300,000	0.45
			9,200-13,000	6,090,000	--
BR-2021-063	38.5	17,424	1,700-6,400	3,540,000	0.10
			6,400-11,000	3,860,000	0.14
			11,000-15,700	4,000,000	0.16

Table 7.6 - Compressive Strength and Elastic Moduli of Rock Method D					
Boring ID	Depth (ft.)	Peak Compressive Stress (psi)	Stress Range (psi)	Young Modulus (psi)	Poisson's Ratio
BR-2021-067	39-39.75	26,797	2,700-9,800	6,880,000	0.29
			9,800-17,000	7,010,000	0.35
			17,000-24,100	6,820,000	0.43
BR-2021-074	22	23,032	2,300-8,400	7,710,000	0.27
			8,400-14,600	7,960,000	0.28
			14,600-20,700	8,030,000	0.29
BR-2021-074	28-29	16,071	1,600-5,900	6,920,000	0.26
			5,900-10,200	7,770,000	0.25
			10,200-14,500	6,420,000	--
BR-2021-078	5	10,395	1,000-3,800	3,840,000	0.10
			3,800-6,600	4,240,000	0.12
			6,600-9,400	4,860,000	0.46
BR-2021-081	35	18,995	1,900-7,000	4,630,000	0.39
			7,000-12,000	4,720,000	--
			12,000-17,100	3,770,000	--
BR-2021-081	36.5	8,870	900-3,300	3,030,000	0.02
			3,300-5,600	4,190,000	0.12
			5,600-8,000	4,520,000	0.35
BR-2021-089	25.5	16,138	600-5,900	3,750,000	0.21
			5,900-10,200	4,050,000	0.28
			10,200-14,500	3,920,000	0.45
BR-2021-089	51	14,499	1,500-5,300	3,920,000	0.21
			5,300-9,200	3,700,000	0.29
			9,200-13,000	4,000,000	0.39
BR-2021-095	27	16,678	1,700-6,100	6,220,000	0.26
			6,100-10,600	6,570,000	0.33
			10,600-15,100	6,180,000	0.38
BR-2021-100	5	24,563	2,500-9,000	4,580,000	0.21
			9,000-15,600	5,330,000	0.34
			15,600-22,100	5,350,000	0.44
BR-2021-100	15	22,496	2,300-8,200	5,990,000	0.43
			8,200-14,200	6,840,000	--
			14,200-20,200	6,900,000	--
BR-2021-101	31	13,454	1,300-4,900	4,190,000	0.25
			4,900-8,500	4,100,000	0.32
			8,500-12,100	3,900,000	0.46
BR-2021-102		13,382	1,300-4,900	5,050,000	0.16

Table 7.6 - Compressive Strength and Elastic Moduli of Rock Method D					
Boring ID	Depth (ft.)	Peak Compressive Stress (psi)	Stress Range (psi)	Young Modulus (psi)	Poisson's Ratio
	11-11.83		4,900-8,500	5,430,000	0.17
			8,500-12,000	6,570,000	--
BR-2021-106	6	9,101	900-3,300	4,550,000	0.14
			3,300-5,800	5,340,000	0.33
			5,800-8,200	5,610,000	--
BR-2021-106	10	10,433	1,000-3,800	7,980,000	0.38
			3,800-6,600	8,030,000	0.37
			6,600-9,400	8,140,000	0.30
BR-2021-106	18	6,391	600-2,300	4,190,000	--
			2,300-4,000	4,570,000	--
			4,000-5,800	4,820,000	--
BR-2021-108	26	16,624	1,700-6,100	3,770,000	0.15
			6,100-10,500	4,290,000	0.23
			10,500-15,000	4,280,000	0.32
BR-2021-108	43.5	9,012	900-3,300	3,640,000	0.18
			3,300-5,700	3,600,000	0.20
			5,700-8,100	1,290,000	--
BR-2021-111	10	17,688	1,800-6,500	4,830,000	0.11
			6,500-11,200	5,200,000	0.06
			11,200-15,900	5,070,000	0.13

Table 7.7 - Rock Resistivity Per Two-Electrode Method			
Boring ID	Depth (ft)	Electrical Resistivity (ohm-cm)	Electrical Conductivity (ohm-cm) ⁻¹
BRW-2021-007	Run 1	21,280,623	4.70E-08
BRW-2021-008	Run 1- 0.5 ft. From start	6,622,440	1.51E-07
BRW-2021-009	Run 1 (31 ft)	28,681,677	3.49E-08
BR-2021-078	6.5—7	44,355,149	2.25E-08
BR-2021-106	7.5	61,932,744	1.61E-08
BR-2021-111	5.5	10,488,205	9.53E-08

Table 7.8 - Bulk Resistivity Per ASTM C1876 (Lock Wall Concrete)		
Boring ID	Depth (ft)	Electrical Resistivity (ohm-m)(ohm-cm)
BRW-2021-001	Run 4	242.4 (22,240)
BRW-2021-002	Run 5	170.6 (17,060)
BRW-2021-003	Run 1	44.4 (4,440)
BRW-2021-004	Run 3	145.2 (14,520)

Table 7.9 – Rock Abrasiveness			
Boring ID	Depth (ft.)	Average CAIs	Average CAI
BR-2021-078	6.25	2.51	2.96
BR-2021-100	10	2.75	3.20
BR-2021-108	22	3.05	3.50
BR-2021-111	14	2.9	3.35

Table 7.10 - Splitting Tensile Strength of Rock		
Boring ID	Depth (ft.)	Splitting Tensile Strength (psi)
BR-2021-078	9	396
BR-2021-100	5.5	1,450
BR-2021-108	30	842
BR-2021-111	16	715

Table 7.11 – Direct Tensile Strength of Rock		
Boring ID	Depth (ft.)	Tensile Strength (psi)
BR-2021-108	28	205
BR-2021-111	15.5	35

Table 7.12 – Direct Shear Strength of Rock					
Boring ID	Depth (ft.)	Peak Friction Angle	Peak Cohesive Intercept (psi)	Post-Peak Friction angle	Post-Peak Cohesive Intercept (psi)
BR-2021-071	26	82.5	300	69.9	9.9

Table 7.12 – Direct Shear Strength of Rock					
Boring ID	Depth (ft.)	Peak Friction Angle	Peak Cohesive Intercept (psi)	Post-Peak Friction angle	Post-Peak Cohesive Intercept (psi)
BR-2021-078	5.5	-	-	-	-
BR-2021-097	26.5	80.9	0.0	57.8	0.0
BR-2021-097	33	-	-	71.3	0.0
BR-2021-100	4	-	-	-	-
BR-2021-100	11	36.6	250	36.6	24
BR-2021-108	41.5	-	-	-	-
BR-2021-108	42	-	-	66.3	0.0
BR-2021-111	8	87.1	150	56.6	23
BR-2021-111	9.5	86.1	0.0	67.0	0.0

Table 7.13 – Sliding Friction of Rock					
Boring ID	Depth (ft.)	Peak Friction Angle	Peak Cohesive (psi)	Post-Peak Friction Angle	Post-Peak Cohesive Intercept (psi)
BR-2021-078	4.5	-	-	31.7	21.9
BR-2021-078	5.5	8.3	6.0	7.5	5.3
BR-2021-108	27	30.2	0.8	28.1	0
BR-2021-111	9	52.9	15	48.0	5.3
BR-2021-111	10	17.1	1.5	5.6	3.4

Table 7.14 – Rock Specific Gravity and Absorption					
Boring ID	Depth (ft.)	Specific Gravity	Saturated-Surface-Dry	Apparent Specific Gravity	Absorption (%)
BR-2021-061	18	2.64	2.68	2.75	1.47
BR-2021-063	36.5	2.70	2.73	2.77	0.82
BR-2021-078	8	2.70	2.73	2.78	1.08
BR-2021-100	13	2.67	2.70	2.75	1.17
BR-2021-102	12-12.83	2.75	2.76	2.79	0.60
BR-2021-106	15	2.52	2.58	2.69	2.42
BR-2021-108	17	2.71	2.74	2.78	0.90

Table 7.14 – Rock Specific Gravity and Absorption					
Boring ID	Depth (ft.)	Specific Gravity	Saturated-Surface-Dry	Apparent Specific Gravity	Absorption (%)
BR-2021-111	11.5	2.69	2.71	2.75	0.84

Details of the respective results are included in Attachment H – Laboratory Rock Testing Data.

8. Surveying

The boring locations were provided by KEG to IMEG Corporation (IMEG) in Latitude and Longitude. IMEG converted the locations to Illinois State Plane Coordinates East Zone 1201 NAD 83 for staking. IMEG set three control points on site using a Trimble R12i connected to the Trimble VRS Now network to establish known locations for future staking. Elevations were established with the Trimble VRS Now network on the 3 control points and checked periodically throughout the staking period. Boring locations were established using a Trimble RTK setup consisting of an R10 Base and R12i Rover. The Base was set over point 1 for all of the staking sessions with points 2 and 3 being used as checks. Checks were taken at the beginning and end of each day. Differences were found to be within 0.02 feet. Raw data files of the surveying will be submitted as back-up to this report. See Attachment A – Boring Location Map for As-Drilled boring locations.

9. Discussion

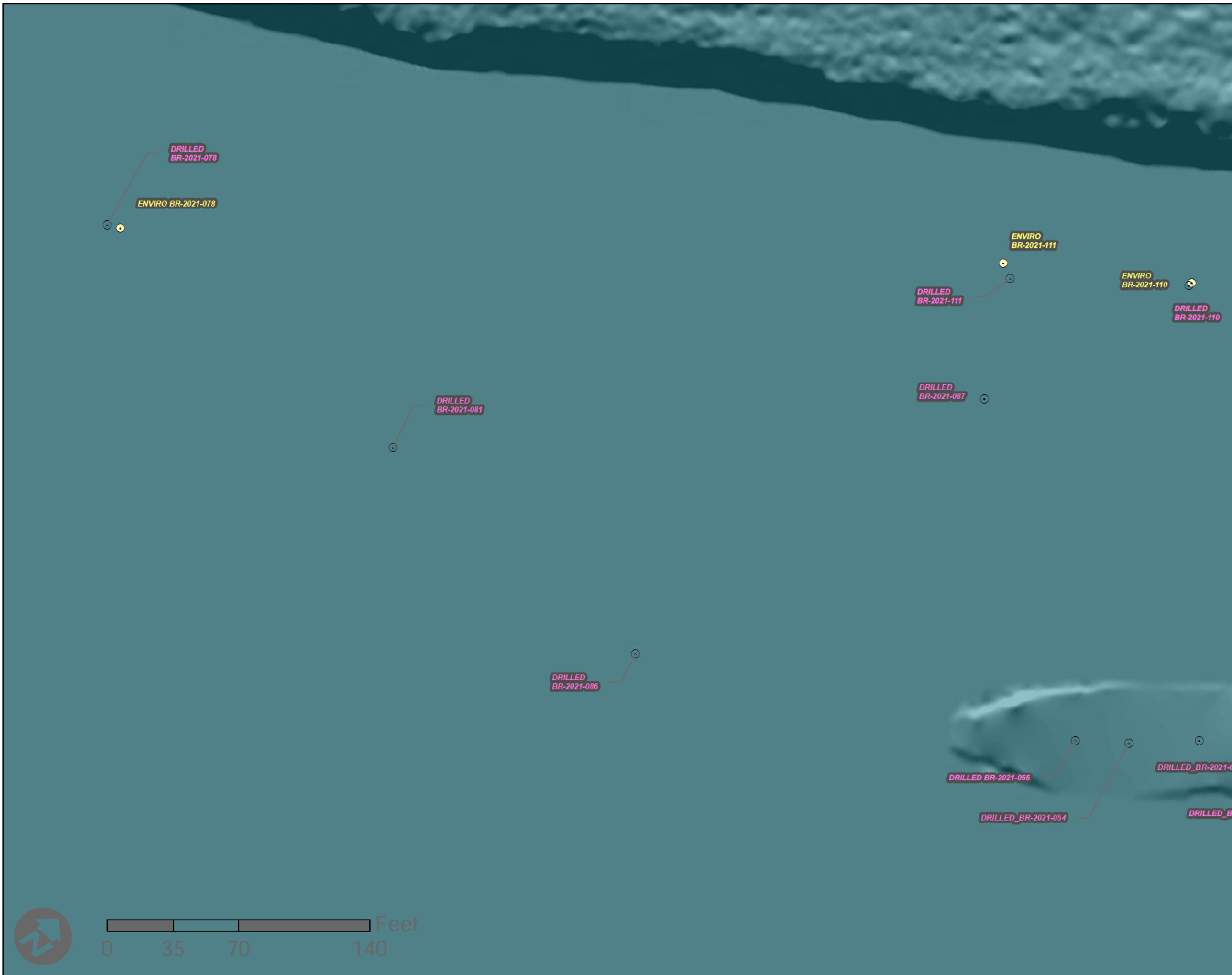
Based on the results from the Geophysics studies completed during Phase I, discussions were held with MVR personnel after the start of Phase II explorations, and during those discussions, it was agreed that proposed Marine Borings BR-2021-074, -080, -084, -087, -102, -105, -108, -110, and -111, should be moved to try and confirm possible anomalies identified by the Geophysics. In addition, Terrestrial boring BR-2021-056, due to inaccessibility of the drill rig at the very end of the peninsula, was moved for relocated BR-2021-056 as an additional Marine boring near a possible geophysical anomaly. Terrestrial boring BR-2021-55 originally had a proposed depth of 72 feet and it was recommended by KEG to split that depth in half in order to add a 35 foot boring BR-2021-048A, to be completed approximately 3 to 5 feet east of Boring BR-2021-48 that had encountered a 15-inch shale layer/deposit within the bedrock, to further investigate the potential shale. The intent of this added boring was to confirm the presence of a possible thicker shale layer than had been encountered to date and obtain additional samples of the shale, if encountered. Boring BR-2021-048A did not encounter the thicker shale anomaly upon completion. See Figure 4a and Figure 4b below, showing segments of the Revised Boring Location Plan provided by MVR for use in continued Phase II exploration as described above.



KEG also recommended the 74-feet proposed depth of drilling on Boring BR-2021-089 be switched with the 20-foot depth of recommended drilling on Boring BR-2021-057, in order to obtain deeper bedrock samples on Boring BR-2021-57 for use in the project design.

During exploration, Marine boring BR-2021-063 had potentially encountered an artesian water condition during drilling of that location. A field test was conducted while drilling BR-2021-063 to check if the pool level in the lock impacted the possible artesian condition by raising and lowering the water levels in the lock while the rock casing was still in place. It was concluded that the lock pool level had no impact on the artesian condition observed. Due to inaccessibility of the drill rig to reach boring BR-2021-099, KEG recommended converting that boring to Marine boring BR-2021-063A for drilling of an additional Marine boring near boring BR-2021-063 to confirm no artesian condition was present due to the raising and lowering of water levels in the lock. Boring BR-2021-063A did not encounter the artesian condition during drilling in the immediate vicinity where BR-2021-063 had been completed, and it was confirmed that the artesian condition previously observed in boring BR-2021-063, was most likely due to water pressure supplied by drilling circulation from the drill rig, filling in small voids within a segment of bedrock and creating a back-pressure condition, where upon a release of that water pressure occurred in the borehole once the drill string was removed from that particular zone of bedrock.

ATTACHMENT A: BORING LOCATION MAP
BRANDON ROAD INTERBASIN PROJECT



Legend

- Boring Location - AS DRILLED**
- Sediment Grab Sample - Environmental**

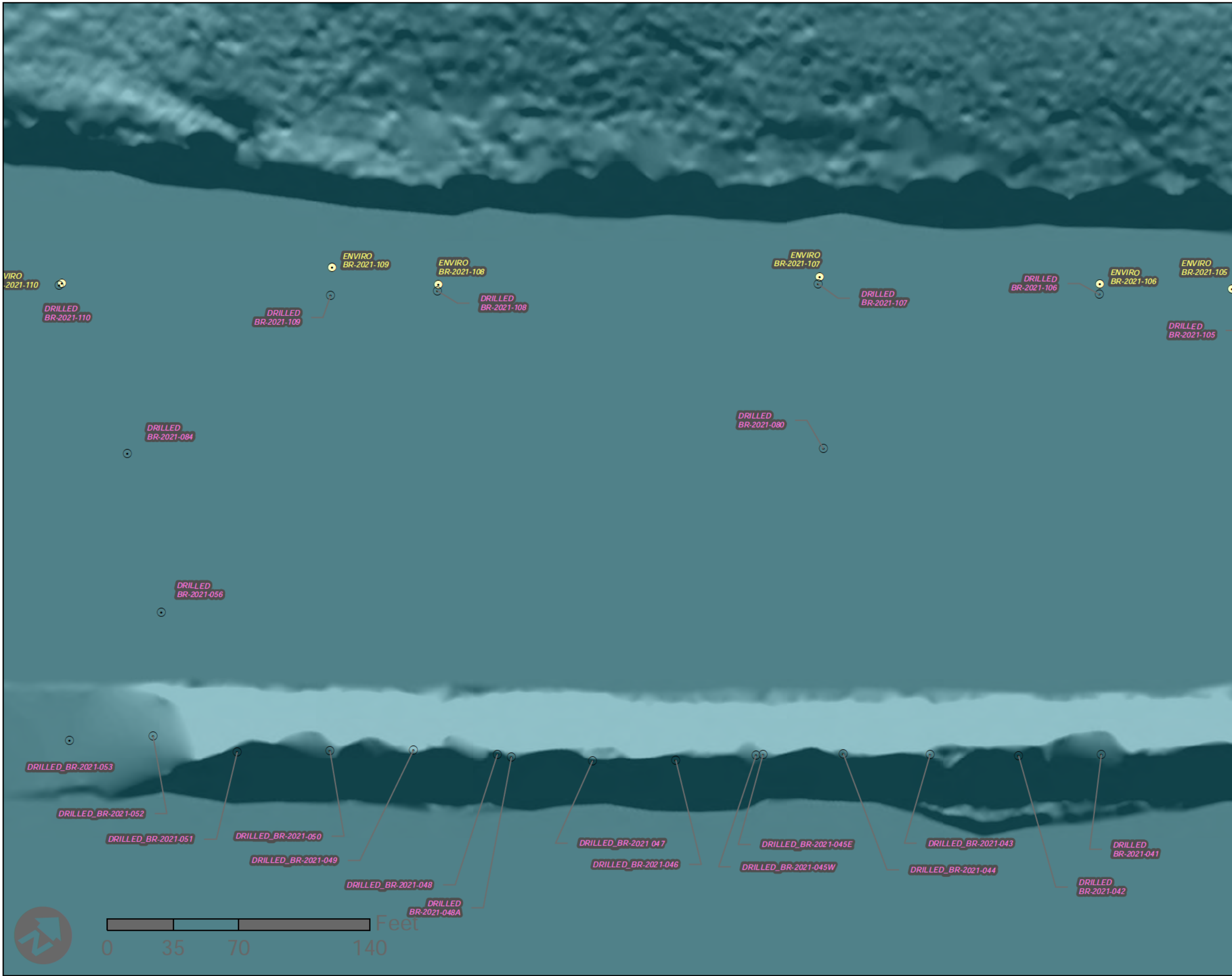


0 35 70 140 Feet

BRANDON ROAD INTERBASIN PROJECT

Attachment A
Boring Location
Plan





Legend

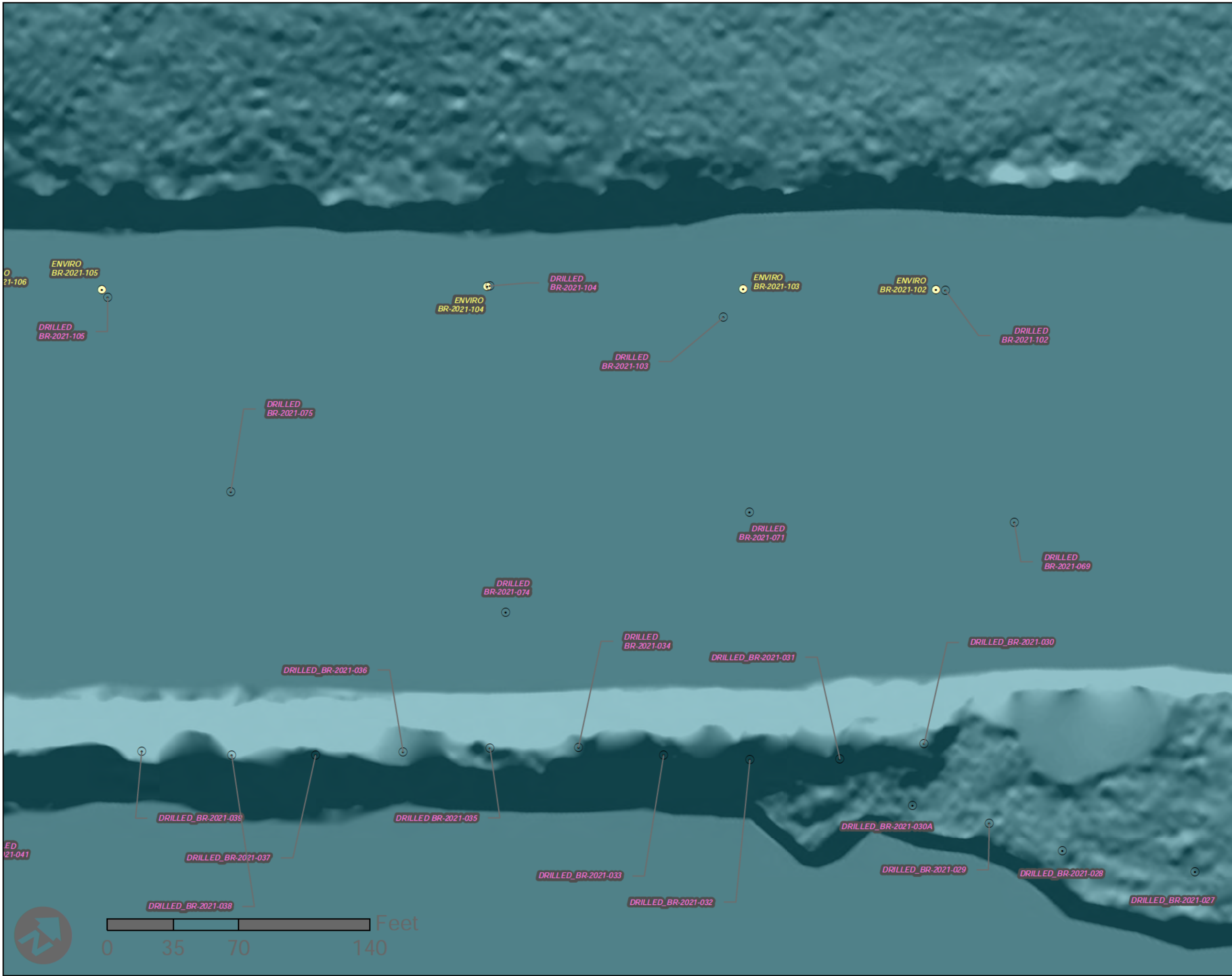
- Boring Location - AS DRILLED
- Sediment Grab Sample - Environmental



BRANDON ROAD INTERBASIN PROJECT

Attachment A
Boring Location
Plan





Legend

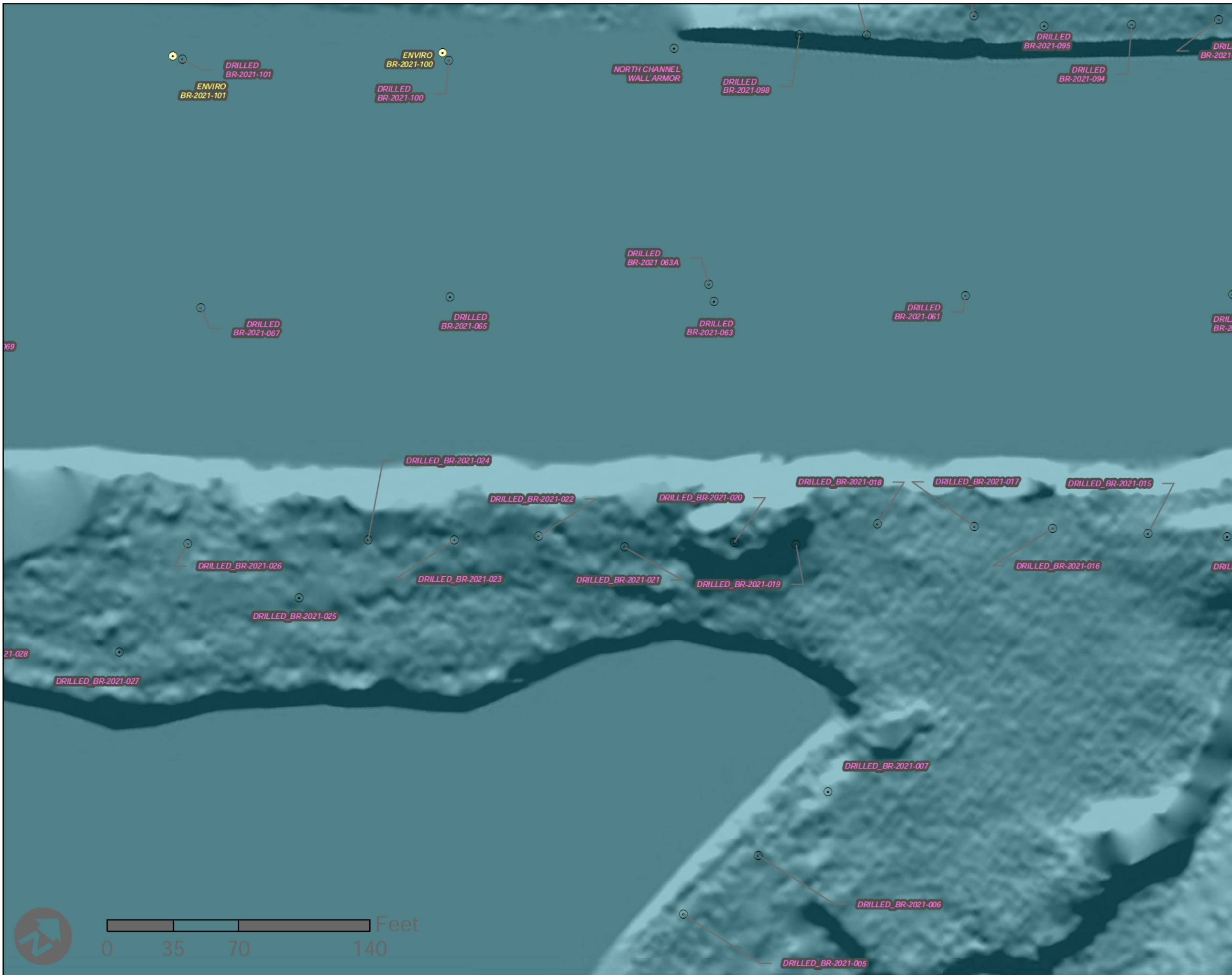
- Boring Location - AS DRILLED
- Sediment Grab Sample - Environmental



BRANDON ROAD
INTERBASIN PROJECT

Attachment A
Boring Location
Plan





Legend

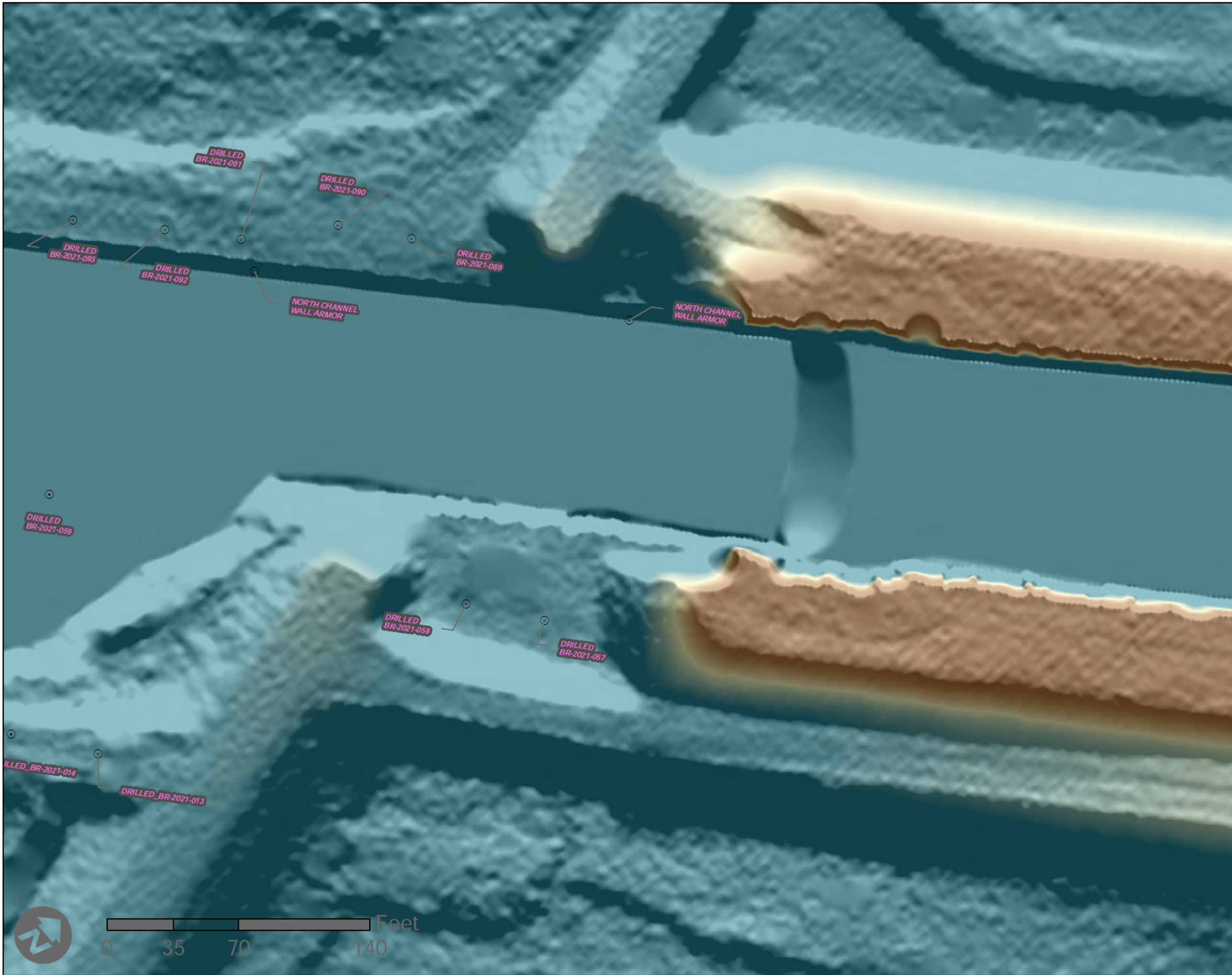
- Boring Location - AS DRILLED**
- Sediment Grab Sample - Environmental**



BRANDON ROAD INTERBASIN PROJECT

Attachment A
Boring Location
Plan





Legend

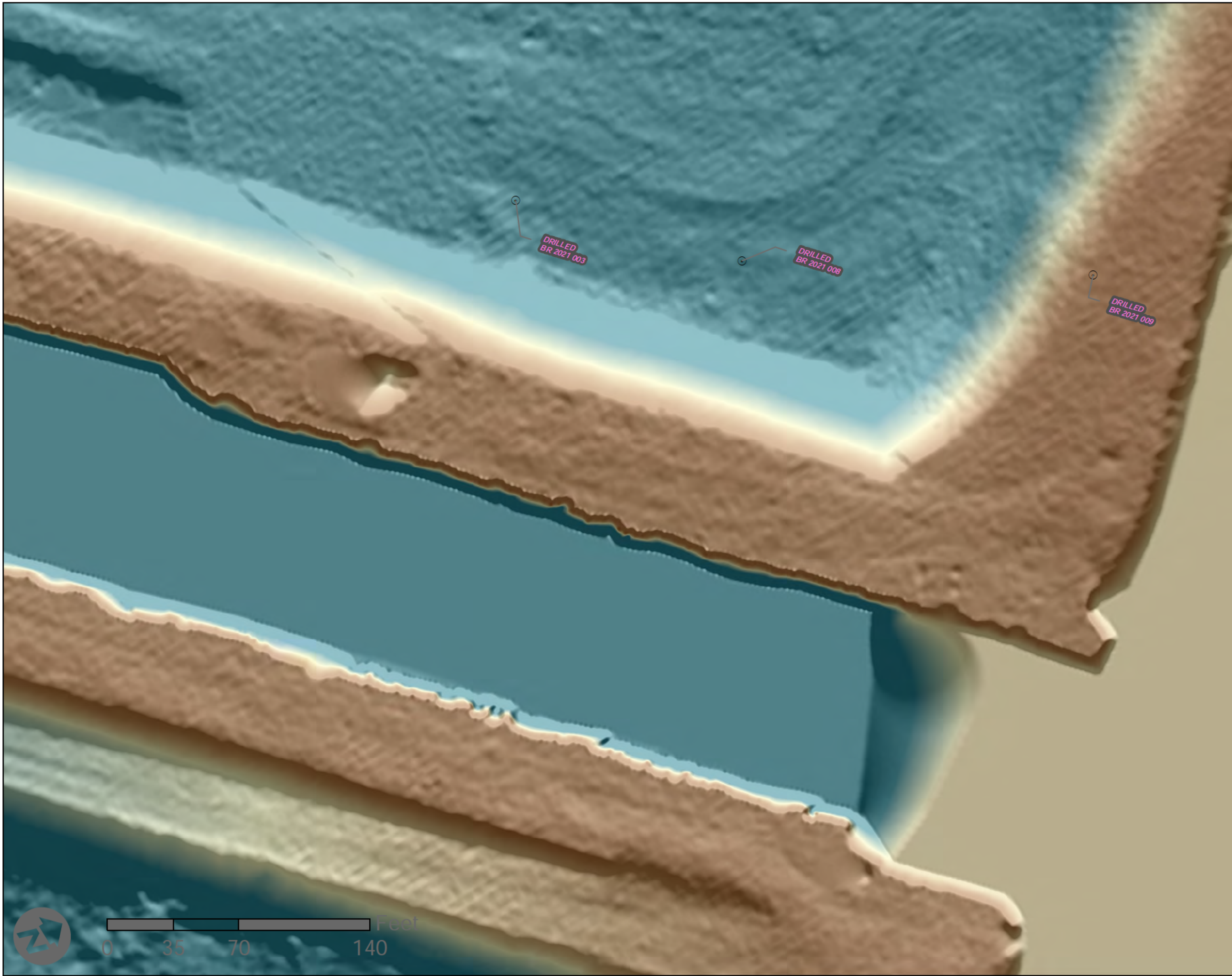
- Boring Location - AS DRILLED
- Sediment Grab Sample - Environmental



BRANDON ROAD
INTERBASIN PROJECT

Attachment A
Boring Location
Plan





Legend

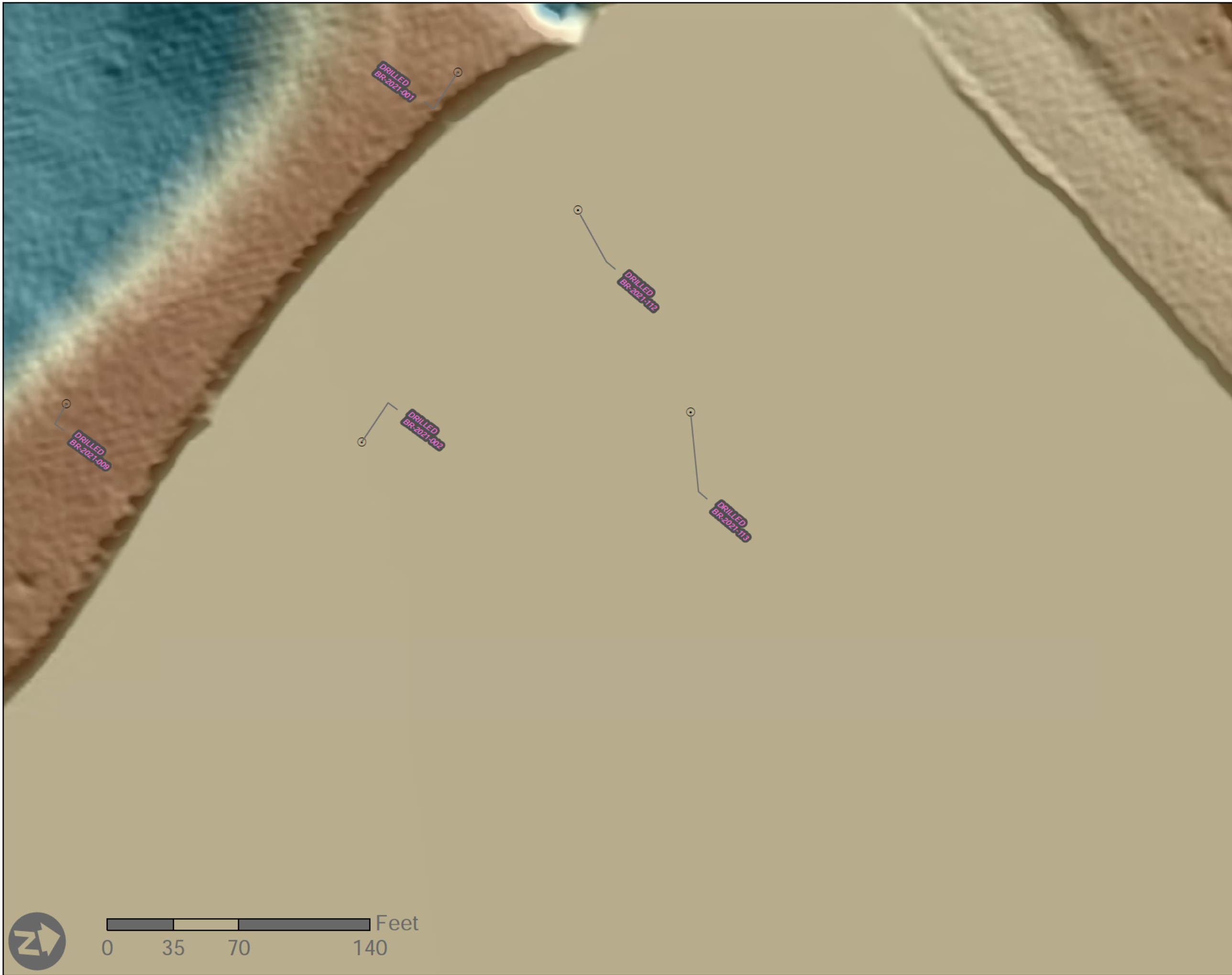
- Boring Location - AS DRILLED
- Sediment Grab Sample - Environmental



**BRANDON ROAD
INTERBASIN PROJECT**

Attachment A
Boring Location
Plan





Legend

-  **Boring Location - AS DRILLED**
-  **Sediment Grab Sample - Environmental**



**BRANDON ROAD
INTERBASIN PROJECT**

**Attachment A
Boring Location
Plan**



DRILLING LOG		DIVISION CEMVR		INSTALLATION Brandon Road L&D		SHEET 1 OF 2 SHEETS	
1. PROJECT Brandon Road Interbasin Project				9. COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL	
2. HOLE NUMBER BR-2021-089		LOCATION COORDINATES N 1,761,375 E 1,046,845		10. SIZE AND TYPE OF BIT 3-1/4" HSA, 2" Core			
3. DRILLING AGENCY Wang Testing Services				11. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D-120			
4. NAME OF DRILLER(S) Nick Crachy				12. TOTAL SAMPLES 7		DISTURBED 7 UNDISTURBED 0	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED		DEG FROM VERTICAL ---		BEARING			
6. THICKNESS OF OVERBURDEN 17.0				13. TOTAL NUMBER CORE BOXES 6			
7. DEPTH DRILLED INTO ROCK 57.0				14. ELEVATION GROUND WATER 505.5			
8. TOTAL DEPTH OF BORING 74.0				15. DATE BORING 2022/04/25		STARTED 2022/04/25 COMPLETED 2022/04/25	
				16. ELEVATION TOP OF BORING 514.5			
				17. TOTAL CORE RECOVERY FOR BORING 94.7%			
				18. INSPECTOR SIGNATURE Christoph Opperman			

ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory							USCS Class	REMARKS																			
									Gravel	Sand	Fines	LL	PI	MC																						
511.5	3.0		29			0' to 3': SILTY LOAM (CL)-Brown, w/ Gravel and Crushed Limestone									CL	SS-1 (1.0-2.5) Qu=N/A	0.0																			
506.5	8.0		13			3' to 8': SILTY CLAY LOAM (CL)- Brown, Stiff, w/ Tan Gravel										SS-2 (3.5-5.0) Qu=2.0P	2.5																			
497.5	17.0		56			6': Becomes Very Stiff										SS-3 (6.0-7.5) Qu=1.75P	5.0																			
			25			8' to 17': SANDY CLAY LOAM (SC-SM)-Tan, w/ Gravels and Cobbles 9': Becomes Wet									SC-SM	SS-4 (8.5-10.0) Qu=N/A	7.5																			
			24													SS-5 (11.0-12.5) Qu=N/A	10.0																			
			100													SS-6 (13.5-15.0) Qu=N/A	12.5																			
			100			17' to 39.25': DOLOMITE-Light Greenish-Gray, Very Finely Crystalline, Moderately Weathered, Hard, Thin Bedding, Slightly Rough Joints (Opening <0.05"), w/ Clay Filled Seams 19': Vertical Shale Seam (9") 20.5': Vuggy (20.5-21.0)	100									SS-7 (16.0-17.5) Qu=N/A	15.0																			
																	Run 1 of 7 (17.0-19.0) Good Return (Grayish-White) Drilling Rate=5.0 min/ft RQD=37.5% Run 2 of 7 (19.0-29.0) Good Return (Grayish-White) Drilling Rate=1.8 min/ft RQD=40.8%	17.5																		
																	Run 3 of 7 (29.0-39.0) Good Return (Grayish-White) Drilling Rate=1.9 min/ft RQD=87.9%	20.0																		
						32.5': Chert Seam (2")																														

DRILLING LOG (Cont Sheet)						INSTALLATION Brandon Road L&D		SHEET 2 OF 2 SHEETS										
PROJECT Brandon Road Interbasin Project						COORDINATE SYSTEM MSL		HORIZONTAL : VERTICAL										
LOCATION COORDINATES N 1,761,375 E 1,046,845						ELEVATION TOP OF BORING 514.5												
ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No. & Type	Laboratory							REMARKS		
									Gravel	Sand	Fines	LL	PI	MC	USCS Class			
475.3	39.3					17' to 39.25': DOLOMITE -Light Greenish-Gray, Very Finely Crystalline, Moderately Weathered, Hard, Thin Bedding, Slightly Rough Joints (Opening <0.05"), w/ Clay Filled Seams (continued) 35.5': Vuggy (35.5-36.0) 36.5': Vertical Joints (6") 37.5': Vuggy (37.5-39.0) 39': Chert Seam (3")											Run 4 of 7 (39.0-49.0) Good Return (Grayish-White) Drilling Rate=1.7 min/ft RQD=74.2%	
						39.25' to 67': DOLOMITIC Limestone -Dark Greenish-Gray, Very Finely Crystalline, Moderately to Highly Weathered, Hard, Thin Bedding, Slightly Rough Joints (Opening <0.05"), and Very Vuggy 41.25': Crystalline Karst (1") 41.75': Chert Nodule (2") 42.5': Chert Seam (3") 43.5': Chert Seam (4") 44.25': Chert Nodule (1") 44.5': Chert Seam (1") 45.5': Chert Seam (2") 46.75': Chert Nodule (2") 47.75': Chert Seam (1") 49.25': Chert Nodule (2.5") 50.5': Chert Seam (1") 50.75': Intensely Fractured and Highly Weathered (50.75-51.5) 52': Chert Seam (2") 53': Chert Seam (0.5")	100											Run 5 of 7 (49.0-57.0) Good Return (Grayish-White) Drilling Rate=2.9 min/ft RQD=49.0%
						56': Chert Seam (1") 58.5': Chert Seam (0.5") 59': Chert Bands (59.0-60.0)											Run 6 of 7 (57.0-67.0) Good Return (Grayish-White) Drilling Rate=1.7 min/ft RQD=65.0%	
						61.75': Chert Seam (3") 63': Chert Nodules and Bands (63.0-64.5)	93											
447.5	67.0					66': Chert Seam (4") w/ Trace Fossils											Run 7 of 7 (67.0-74.0) Good Return (Grayish-White) Drilling Rate=2.4 min/ft RQD=64.3%	
						67' to 74': Limestone -Dark Gray, Very Finely Crystalline, Moderately Weathered, Hard, Thin Bedding, Slightly Rough Joints (Opening <0.05"), and Vuggy 68.5': Chert Seam (0.5")	69											
440.5	74.0					72': Chert Bands (72.0-72.5)												

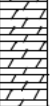
MVR - ACE ENG-1836 (DRILLING LOG) BRANDON ROAD LOGS (089 TO 098).GPJ ACE MVR WITH RAPID CPT 2011_OCT_01.GDT 6/27/22

DRILLING LOG		DIVISION CEMVR		INSTALLATION Brandon Road L&D		SHEET 1 OF 1 SHEETS	
1. PROJECT Brandon Road Interbasin Project				9. COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL	
2. HOLE NUMBER BR-2021-090		LOCATION COORDINATES N 1,761,350 E 1,046,814		10. SIZE AND TYPE OF BIT 3-1/4" HSA, 2" Core			
3. DRILLING AGENCY Wang Testing Services				11. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D-120			
4. NAME OF DRILLER(S) Nick Crachy				12. TOTAL SAMPLES 6		DISTURBED UNDISTURBED 6 0	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED				DEG FROM VERTICAL BEARING --- ---		13. TOTAL NUMBER CORE BOXES 1	
6. THICKNESS OF OVERBURDEN 16.5				14. ELEVATION GROUND WATER 505.0			
7. DEPTH DRILLED INTO ROCK 4.0				15. DATE BORING STARTED COMPLETED 2022/04/26 2022/04/26			
8. TOTAL DEPTH OF BORING 20.5				16. ELEVATION TOP OF BORING 514.0			
				17. TOTAL CORE RECOVERY FOR BORING 100%			
				18. INSPECTOR SIGNATURE Christoph Opperman			

ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory							REMARKS	
									Gravel	Sand	Fines	LL	PI	MC	USCS Class		
			16			0' to 7': SILTY CLAY LOAM (CL)- Brown, Stiff, w/ Trace Gravels									CL	SS-1 (1.0-2.5) Qu=2.25P	0.0
			12													SS-2 (3.5-5.0) Qu=2.0P	2.5
507.0	7.0		35													SS-3 (6.0-7.5) Qu=1.0P	5.0
506.0	8.0					7' to 8': SANDY LOAM (SC-SM)-Tan, w/ Gravel and Cobbles									SC-SM	SS-4 (8.5-10.0) Qu=N/A	7.5
505.0	9.0		25			8' to 9': SILTY CLAY LOAM (CL)- Brown, Stiff, w/ Trace Gravels									CL	SS-5 (11.0-12.5) Qu=N/A	10.0
						9' to 13': SANDY LOAM (SC-SM)- Tan, Dense, Wet, w/ Gravel and Cobbles									SC-SM	SS-6 (13.5-15.0) Qu=N/A	12.5
501.0	13.0															SS-7 (16.0-17.5) Qu=N/A (No Recovery)	15.0
500.4	13.6					13' to 13.6': BASALT-Cobbles and Boulders (7")									SW	Run 1 of 1 (16.5-20.5) Good Return (Grayish-White) Drilling Rate=2.5 min/ft RQD=53.1%	17.5
497.5	16.5		41			13.6' to 16.5': SAND (SW)-Brown, Coarse, Dense, w/ Cobbles and Boulders											20.0
			100														
493.5	20.5					16.5' to 20.5': DOLOMITE-Light Greenish-Gray, Very Finely Crystalline, Highly Weathered, Hard, Thin Bedding, Highly Fractured, Slightly Rough Joints (Opening <0.05"), and Vuggy 18.5': Vug (1")	100										

MVR - ACE ENG 1836 (DR LUNG LOG) BRANDON ROAD LOGS (089 TO 098).GPJ ACE MVR WITH RAPID CPT 2011 OCT 01.GDT 6/27/22

DRILLING LOG		DIVISION CEMVR		INSTALLATION Brandon Road L&D		SHEET 1 OF 2 SHEETS												
1. PROJECT Brandon Road Interbasin Project				9. COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL												
2. HOLE NUMBER BR-2021-091		LOCATION COORDINATES N 1,761,306 E 1,046,786		10. SIZE AND TYPE OF BIT 2-1/4" HSA, 4" Casing, 2" Core														
3. DRILLING AGENCY Wang Testing Services				11. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D-25		12. TOTAL SAMPLES 6												
4. NAME OF DRILLER(S) Nick Crachy				13. TOTAL NUMBER CORE BOXES 3		DISTURBED 6 UNDISTURBED 0												
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED		DEG FROM VERTICAL ---		BEARING		14. ELEVATION GROUND WATER 502.9												
6. THICKNESS OF OVERBURDEN 16.0				15. DATE BORING 2022/04/28		STARTED COMPLETED 2022/04/28 2022/04/28												
7. DEPTH DRILLED INTO ROCK 22.0				16. ELEVATION TOP OF BORING 513.4		17. TOTAL CORE RECOVERY FOR BORING 92.4%												
8. TOTAL DEPTH OF BORING 38.0				18. INSPECTOR SIGNATURE Christoph Opperman														
ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory							USCS Class	REMARKS	
						0' to 8': SILTY CLAY FILL (CL)- Brown, Medium-Stiff, w/ Gravel										CL		
		25															SS-1 (1.0-2.5) Qu=3.0P	0.0
		12															SS-2 (3.5-5.0) Qu=1.0P	2.5
		9															SS-3 (6.0-7.5) Qu=1.5P	5.0
505.4	8.0																	7.5
		8				8' to 10.25': CLAYEY SILT (CL- ML)- Black, Medium-Stiff, w/ Trace Organics										CL-ML	SS-4 (8.5-10.0) Qu=0.5P	10.0
503.2	10.3																	
		88				10.25' to 16': SANDY GRAVEL (GW)-Tan, Dense, Wet, w/ Trace Silt										GW	SS-5 (11.0-12.5) Qu=N/A	12.5
		100				13': Sample 13.5-15.0': Cc=7.28, Cu=254.69											SS-6 (13.5-15.0) Qu=N/A	15.0
497.4	16.0																	
496.9	16.5					16' to 16.5': COBBLES-River Cobbles and Gravel (Granite and Basalt)											Run 1 of 3 (16.0-23.0) Good Return (Grayish-White) Drilling Rate=4.6 min/ft RQD=23.8%	17.5
						16.5' to 38': DOLOMITE-LLight Greenish-Gray, Very Finely Crystalline, Highly Weathered, Hard, Highly Fractured, w/ Clay Filled Joints (Opening <0.05")	76											20.0
						23': Becomes Moderately Weathered 23.5': Slightly Vuggy (23.5-25.0)											Run 2 of 3 (23.0-33.0) Good Return (Grayish-White) Drilling Rate=3.3 min/ft RQD=57.1%	22.5
																		25.0
							100											27.5
																		30.0
						31.25': Limestone Seam (2") 31.75': Limestone Seam (2")-Vuggy and Becomes Highly Weathered 33': Becomes Moderately Weathered and Moderately Fractured											Run 3 of 3 (33.0-38.0) Good Return (Grayish-White) Drilling Rate=2.8 min/ft	32.5
																		35.0

DRILLING LOG (Cont Sheet)						INSTALLATION Brandon Road L&D		SHEET 2 OF 2 SHEETS								
PROJECT Brandon Road Interbasin Project						COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL								
LOCATION COORDINATES N 1,761,306 E 1,046,786						ELEVATION TOP OF BORING 513.4										
ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory							REMARKS
									Gravel	Sand	Fines	LL	PI	MC	USCS Class	
475.4	38.0					34.5' : Limestone Seam (1") 34.75' : Limestone Seam (1") 36' : Chert Nodule (4")-White and Hard 37' : Limestone Seam (1")-Vuggy 37.25' : Limestone Seam (1")	100									RQD=94.2%

35.0

37.5

MVR - ACE ENG 1836 (DRILLING LOG) BRANDON ROAD LOGS (089 TO 098).GPJ ACE MVR WITH RAPID CPT 2011 OCT 01.GDT 6/27/22

DRILLING LOG		DIVISION CEMVR		INSTALLATION Brandon Road L&D		SHEET 1 OF 2 SHEETS												
1. PROJECT Brandon Road Interbasin Project				9. COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL												
2. HOLE NUMBER BR-2021-092		LOCATION COORDINATES N 1,761,279 E 1,046,755		11. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D-25														
3. DRILLING AGENCY Wang Testing Services				12. TOTAL SAMPLES 6		DISTURBED 6												
4. NAME OF DRILLER(S) Nick Crachy				13. TOTAL NUMBER CORE BOXES 3		UNDISTURBED 0												
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED		DEG FROM VERTICAL ---		14. ELEVATION GROUND WATER 503.0		15. DATE BORING 2022/04/29												
		BEARING		STARTED 2022/04/29		COMPLETED 2022/04/29												
6. THICKNESS OF OVERBURDEN 16.0		16. ELEVATION TOP OF BORING 513.5		17. TOTAL CORE RECOVERY FOR BORING 94.5%														
7. DEPTH DRILLED INTO ROCK 22.0		18. INSPECTOR SIGNATURE Christoph Opperman																
8. TOTAL DEPTH OF BORING 38.0																		
ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory								USCS Class	REMARKS
						0' to 10.5': SILTY CLAY FILL (CL)- Brown, Stiff, w/ Gravel			Gravel	Sand	Fines	LL	PI	MC	CL			
		18														SS-1 (1.0-2.5) Qu=2.0P		
																SS-2 (3.5-5.0) Qu=N/A		
		14														SS-3 (6.0-7.5) Qu=1.0P		
																SS-4 (8.5-10.0) Qu=0.75P		
503.0	10.5																	
						10.5' to 13': COARSE SAND (SW)- Brown, Dense, Wet, w/ Gravel									SW	SS-5 (11.0-12.5) Qu=N/A		
500.5	13.0																	
						13' to 16': SANDY GRAVEL (GW)- Tan, Dense, Wet, w/ Trace Silt									GW	SS-6 (13.5-15.0) Qu=N/A		
497.5	16.0																	
						16' to 38': DOLOMITE-Light Greenish-Gray, Very Finely Crystalline, Highly Weathered, Hard, Highly Fractured, w/ Clay-Filled Seams and Joints (Opening <0.05")	80									Run 1 of 4 (16.0-21.0) Good Return (Grayish-White) Drilling Rate=3.6 min/ft RQD=40.0%		
							84									Run 2 of 4 (21.0-21.5) Good Return (Grayish-White) Drilling Rate=4.0 min/ft RQD=0%		
																Run 3 of 4 (21.5-31.0) Good Return (Grayish-White) Drilling Rate=4.5 min/ft RQD=53.5%		
							99											
						29.25': Limestone Seam (1")												
						30.25': Vug (0.5")												
						31': Becomes Moderately Weathered and Fractured												
						33': Limestone Seam (1")												
						33.25': Vug (1")	100									Run 4 of 4 (31.0-38.0) Good Return (Grayish-White) Drilling Rate=2.6 min/ft RQD=96.4%		

DRILLING LOG (Cont Sheet)						INSTALLATION Brandon Road L&D		SHEET 2 OF 2 SHEETS									
PROJECT Brandon Road Interbasin Project						COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL									
LOCATION COORDINATES N 1,761,279 E 1,046,755						ELEVATION TOP OF BORING 513.5											
ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory							REMARKS	
									Gravel	Sand	Fines	LL	PI	MC	USCS Class		
					[Hatched Pattern]	35.5': Chert Seam (1")											35.0
						36.5': Limestone Seam (1")											
475.5	38.0					37.5': Limestone Seam (1")											37.5
						37.75': Chert Nodule (1")											

MVR - ACE ENG 1836 (DRILLING LOG) BRANDON ROAD LOGS (089 TO 098).GPJ ACE MVR WITH RAPID CPT 2011 OCT 01.GDT 6/27/22

DRILLING LOG		DIVISION CEMVR		INSTALLATION Brandon Road L&D		SHEET 1 OF 2 SHEETS	
1. PROJECT Brandon Road Interbasin Project				9. COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL	
				10. SIZE AND TYPE OF BIT 2-1/4" HSA, 4" Casing, 2" Core			
2. HOLE NUMBER BR-2021-093				11. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D-120			
LOCATION COORDINATES N 1,761,245 E 1,046,719							
3. DRILLING AGENCY Wang Testing Services				12. TOTAL SAMPLES 6		DISTURBED 6	
						UNDISTURBED 0	
4. NAME OF DRILLER(S) Nick Crachy				13. TOTAL NUMBER CORE BOXES 5			
				14. ELEVATION GROUND WATER 502.4			
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED		DEG FROM VERTICAL ---		BEARING		15. DATE BORING 2022/05/05	
						STARTED 2022/05/05	
						COMPLETED 2022/05/05	
6. THICKNESS OF OVERBURDEN 16.0				16. ELEVATION TOP OF BORING 513.4			
7. DEPTH DRILLED INTO ROCK 43.0				17. TOTAL CORE RECOVERY FOR BORING 99.6%			
8. TOTAL DEPTH OF BORING 59.0				18. INSPECTOR SIGNATURE Jacob Stauffer			

[illegible]

DRILLING LOG (Cont Sheet)						INSTALLATION Brandon Road L&D		SHEET 2 OF 2 SHEETS									
PROJECT Brandon Road Interbasin Project						COORDINATE SYSTEM MSL		HORIZONTAL : VERTICAL									
LOCATION COORDINATES N 1,761,245 E 1,046,719						ELEVATION TOP OF BORING 513.4											
ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No. & Type	Laboratory							REMARKS	
									Gravel	Sand	Fines	LL	PI	MC	USCS Class		
						Present (White and Hard) 16' to 51.5' : DOLOMITE-Light Greenish-Gray, Very Finely Crystalline, Slightly Weathered, Hard, Thin Bedding, Moderately to Highly Fractured, w/ Slightly Rough Oblique and Vertical Joints w/ 0.05"-0.2" Openings and Thin Bands of Shale (<i>continued</i>) 36' : Becomes Moderately to Highly Fractured 39.25' : Chert Seam (5") 40.75' : Chert Seam (2")	100										Run 3 of 5 (36.0-46.0) Good Return (Grayish-White) Drilling Rate=1.5 min/ft RQD=70.0%
						46.5' : Chert Seam (2.5") 49' : Chert Seam (4")											Run 4 of 5 (46.0-56.0) Good Return (Grayish-White) Drilling Rate=1.8 min/ft RQD=90.0%
461.9	51.5					51.5' to 59' : DOLOMITE-Light Brownish-Gray, Very Finely Crystalline, Slightly Weathered, Hard, Thin Bedding, Moderately to Highly Fractured, w/ Slightly Rough Oblique Joints (0.05"-0.2" Openings) and White and Purple Chert Nodules (Hard)	100										
454.4	59.0						94										Run 5 of 5 (56.0-59.0) Good Return (Grayish-White) Drilling Rate=1.5 min/ft RQD=72.2%

MVR - ACE ENG 1836 (DRILLING LOG) BRANDON ROAD LOGS (089 TO 098).GPJ ACE MVR WITH RAPID CPT 2011_OCT_01.GDT 6/27/22

DRILLING LOG		DIVISION CEMVR		INSTALLATION Brandon Road L&D		SHEET 1 OF 2 SHEETS	
1. PROJECT Brandon Road Interbasin Project				9. COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL	
				10. SIZE AND TYPE OF BIT 3-1/4" HSA, 2" Core			
2. HOLE NUMBER BR-2021-094				11. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D-120			
LOCATION COORDINATES N 1,761,213 E 1,046,686							
3. DRILLING AGENCY Wang Testing Services				12. TOTAL SAMPLES 6		DISTURBED 6	
						UNDISTURBED 0	
4. NAME OF DRILLER(S) Nick Crachy				13. TOTAL NUMBER CORE BOXES 3			
				14. ELEVATION GROUND WATER 502.4			
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED		DEG FROM VERTICAL ---		BEARING		15. DATE BORING 2022/05/05	
						STARTED 2022/05/05	
						COMPLETED 2022/05/05	
6. THICKNESS OF OVERBURDEN		16.0		16. ELEVATION TOP OF BORING 513.4			
7. DEPTH DRILLED INTO ROCK		23.5		17. TOTAL CORE RECOVERY FOR BORING 100%			
8. TOTAL DEPTH OF BORING		39.5		18. INSPECTOR SIGNATURE Jacob Stauffer			

[illegible]

DRILLING LOG (Cont Sheet)						INSTALLATION Brandon Road L&D				SHEET 2 OF 2 SHEETS						
PROJECT Brandon Road Interbasin Project						COORDINATE SYSTEM MSL				HORIZONTAL VERTICAL						
LOCATION COORDINATES N 1,761,213 E 1,046,686						ELEVATION TOP OF BORING 513.4										
ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory							REMARKS
									Gravel	Sand	Fines	LL	PI	MC	USCS Class	
473.9	39.5					34.5' : Becomes Intensely Fractured (34.5-35.5) 16' to 39.5' : DOLOMITE-Light Greenish-Gray, Very Finely Crystalline, Slightly Weathered, Hard, Thin Bedding, Moderately to Highly Fractured, w/ Slightly Rough Oblique and Horizontal Joints w/ 0.05"-0.2" Openings and Thin Bands of Shale in Joints <i>(continued)</i>	100									Run 3 of 3 (35.5-39.5) Good Return (Grayish-White) Drilling Rate=1.5 min/ft RQD=100.0%

MVR - ACE ENG 1836 (DR LUNG LOG) BRANDON ROAD LOGS (089 TO 098).GPJ ACE MVR WITH RAPID CPT 2011 OCT 01.GDT 6/27/22

DRILLING LOG		DIVISION CEMVR		INSTALLATION Brandon Road L&D		SHEET 1 OF 2 SHEETS	
1. PROJECT Brandon Road Interbasin Project				9. COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL	
2. HOLE NUMBER BR-2021-095		LOCATION COORDINATES N 1,761,181 E 1,046,651		10. SIZE AND TYPE OF BIT 3-1/4" HSA, 2" Core			
3. DRILLING AGENCY Wang Testing Services				11. MANUFACTURER'S DESIGNATION OF DRILL Diedrich D-120			
4. NAME OF DRILLER(S) Nick Crachy				12. TOTAL SAMPLES 6		DISTURBED UNDISTURBED 6 0	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED				13. TOTAL NUMBER CORE BOXES 3			
DEG FROM VERTICAL BEARING --- ---				14. ELEVATION GROUND WATER 502.4			
6. THICKNESS OF OVERBURDEN 16.0				15. DATE BORING STARTED COMPLETED 2022/05/06 2022/05/06			
7. DEPTH DRILLED INTO ROCK 22.0				16. ELEVATION TOP OF BORING 513.4			
8. TOTAL DEPTH OF BORING 38.0				17. TOTAL CORE RECOVERY FOR BORING 91.3%			
				18. INSPECTOR SIGNATURE Jacob Stauffer			

ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory							USCS Class	REMARKS	
									Gravel	Sand	Fines	LL	PI	MC				
512.9	0.5					0' to 0.5': TOPSOIL-Black w/ Roots and Grass									CL	SS-1 (1.0-2.5) Qu=1.25P	0.0	
			27			0.5' to 11.5': SILTY CLAY (CL)-Brown and Black, Stiff, w/ Gravel Fragments and Fine Sands											2.5	
			10			3.5': Becomes Medium-Stiff to Stiff										SS-2 (3.5-5.0) Qu=0.75P	5.0	
												46%	23%			SS-3 (6.0-7.5) Qu=1.25P	7.5	
			12															
																SS-4 (8.5-10.0) Qu=0.5P	10.0	
			14															
501.9	11.5	5 21 50/5.5'		100		11.5' to 13': GRAVEL (GW)-Gray and Tan, Well Sorted, Wet, w/ Sand and Shell Fragments									GW	SS-5 (11.0-12.5) Qu=N/A	12.5	
500.4	13.0					13' to 16': SAND (SW)-Coarse-Grained, Well-Sorted, Wet, w/ Gravel Fragments			48.1%	39.7%	12.2%				SW	SS-6 (13.5-15.0) Qu=N/A	15.0	
			34			13.5': Sample 13.5-15.0': Cc=5.68, Cu=164.24												
497.4	16.0					16' to 17': DOLOMITE-Heavily Weathered and Intensely Fractured (Core Loss)										Run 1 of 3 (16.0-26.0) Good Return (Grayish-White) No Return (21.0-26.0) Drilling Rate=2.0 min/ft RQD=54.6%	17.5	
496.4	17.0					17' to 38': DOLOMITE-Light Greenish-Gray, Very Finely Crystalline, Slightly Weathered, Hard, Thin Bedding, Moderately to Highly Fractured, w/ Slightly Rough Oblique and Vertical Joints w/ 0.05"-0.2" Openings	100										20.0	
						22': Vertical Fractures Not Present											22.5	
						26': Becomes Slightly to Moderately Fractured											25.0	
						30.25': Vug (2")-w/ Pyrite	96									Run 2 of 3 (26.0-36.0) No Return (26.0-29.0) Good Return (Grayish-White) Drilling Rate=1.9 min/ft RQD=90.0%	27.5	
						31': Vug (1")											30.0	
						32.5': Chert Nodules (White and Hard) Present											32.5	

MVR - ACE ENG 1836 (DR LUNG LOG) BRANDON ROAD LOGS (089 TO 098).GPJ ACE MVR WITH RAPID CPT 2011 OCT 01.GDT 6/27/22

DRILLING LOG (Cont Sheet)						INSTALLATION Brandon Road L&D		SHEET 2 OF 2 SHEETS									
PROJECT Brandon Road Interbasin Project						COORDINATE SYSTEM MSL		HORIZONTAL VERTICAL									
LOCATION COORDINATES N 1,761,181 E 1,046,651						ELEVATION TOP OF BORING 513.4											
ELEV	DEPTH	Blows/ 0.5 ft	N _f	N ₆₀	LEGEND	CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No & Type	Laboratory							REMARKS	
									Gravel	Sand	Fines	LL	PI	MC	USCS Class		
475.4	38.0					36': Becomes Highly Fractured	75										Run 3 of 3 (36.0-38.0) Good Return (Grayish-White) Drilling Rate=2.5 min/ft RQD=43.75%
						37.8': Chert Seam (1")											

MVR - ACE ENG 1836 (DRILLING LOG) BRANDON ROAD LOGS (089 TO 098).GPJ ACE MVR WITH RAPID CPT 2011 OCT 01.GDT 6/27/22

Analytical Report

Cornelia Marin
Wang Engineering, Inc.
1145 North Main Street
Lombard, IL 60148

May 31, 2022

Work Order: 22E0636

RE: CCDD Project
1294-21-01

Dear Cornelia Marin:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

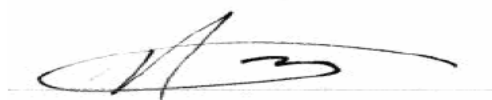
Sincerely,



Tim Witrzek
Federal Program Manager
847.967.6666
twitrzek@emt.com

Approved for release: 5/31/2022 4:41:15PM

Approved by,



Nathan Fey
Laboratory Operations Manager

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable

State of Illinois, NELAP Accredited Lab No. 100256, Cert No. 1002562021-6



Table of Contents

Cover Letter	1
Sample Summary	3
Case Narrative	4
Client Sample Results	5
Dates Report	53
Quality Control	61
Certified Analyses	97
List of Certifications	103
Qualifiers and Definitions	104
Chain of Custody	105

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BR-2021-100	22E0636-01	Solid	05/16/22 11:00	05/17/22 16:44
BR-2021-101	22E0636-02	Solid	05/16/22 11:00	05/17/22 16:44
BR-2021-102	22E0636-03	Solid	05/16/22 11:00	05/17/22 16:44
BR-2021-103	22E0636-04	Solid	05/16/22 11:00	05/17/22 16:44
BR-2021-104	22E0636-05	Solid	05/16/22 11:00	05/17/22 16:44
BR-2021-105	22E0636-06	Solid	05/16/22 11:00	05/17/22 16:44
BR-2021-106	22E0636-07	Solid	05/16/22 11:00	05/17/22 16:44

Case Narrative

Client: Wang Engineering, Inc.

Date: 05/31/2022

Project: CCDD Project
1294-21-01

Work Order 22E0636

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

Work Order: 22E0636

The sample were received on 05/17/22 16 44 The temperature of the cooler() at receipt wa

<u>Cooler</u>	<u>Temp C°</u>
Default Cooler	5.9

The samples were received in good condition and were properly preserved.

HPLC

8321 HERB MW

22E0636-04: The sample was utilized for MS/MSD purposes. Several compounds had RPD greater than control criteria. As all other pertinent quality indicators were acceptable, these exceedances would be attributed to sample matrix.

Client Sample Results

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-100
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-01

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.32	1.32			mg/Kg dry	0.530	05/19/22 21:08	B2E0566	CS2	1
Arsenic	< 1.32	1.32			mg/Kg dry	0.382	05/19/22 21:08	B2E0566	CS2	1
Barium	48.1	1.32			mg/Kg dry	0.207	05/19/22 21:08	B2E0566	CS2	1
Beryllium	< 0.132	0.132			mg/Kg dry	0.0318	05/19/22 21:08	B2E0566	CS2	1
Cadmium	< 0.132	0.132			mg/Kg dry	0.0265	05/19/22 21:08	B2E0566	CS2	1
Chromium	13.5	1.32			mg/Kg dry	0.366	05/19/22 21:08	B2E0566	CS2	1
Cobalt	2.73	1.32			mg/Kg dry	0.207	05/19/22 21:08	B2E0566	CS2	1
Copper	9.98	1.32			mg/Kg dry	0.313	05/19/22 21:08	B2E0566	CS2	1
Iron	28400	662			mg/Kg dry	318	05/19/22 20:04	B2E0566	CS2	100
Lead	111	1.32			mg/Kg dry	0.318	05/19/22 21:08	B2E0566	CS2	1
Manganese	191	1.32			mg/Kg dry	0.223	05/19/22 21:08	B2E0566	CS2	1
Nickel	9.65	1.32			mg/Kg dry	0.233	05/19/22 21:08	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.382	05/19/22 21:08	B2E0566	CS2	1
Silver	< 1.32	1.32			mg/Kg dry	0.265	05/19/22 21:08	B2E0566	CS2	1
Thallium	< 1.32	1.32			mg/Kg dry	0.509	05/19/22 21:08	B2E0566	CS2	1
Vanadium	9.17	1.32			mg/Kg dry	0.180	05/19/22 21:08	B2E0566	CS2	1
Zinc	46.4	5.30			mg/Kg dry	1.14	05/19/22 21:08	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:40	B2E0641	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/19/22 18:40	B2E0641	KJ1	5
Barium, TCLP	0.159	0.0250			mg/L	0.00200	05/19/22 18:40	B2E0641	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:40	B2E0641	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:40	B2E0641	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:40	B2E0641	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:40	B2E0641	KJ1	5
Copper, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:40	B2E0641	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/19/22 18:40	B2E0641	KJ1	5
Manganese, TCLP	1.26	0.0250			mg/L	0.00250	05/19/22 18:40	B2E0641	KJ1	5
Nickel, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:40	B2E0641	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:40	B2E0641	KJ1	5
Silver, TCLP	0.00250	0.00250			mg/L	0.000400	05/19/22 18:40	B2E0641	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/19/22 18:40	B2E0641	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/19/22 18:40	B2E0641	KJ1	5
inc, TCLP	0.365	0.0250			mg/L	0.0100	05/19/22 18:40	B2E0641	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-100
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-01 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/24/22 13:58	B2E0772	TB2	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.033	05/19/22 14:19	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	91.2	0.100		% (Percent)	0.0240	05/18/22 06:13	B2E0562	MKP	1
Method: SW9045C									
pH	8.79			pH Units		05/19/22 13:24	B2E0632	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.75	8.75		ug/Kg dry	1.66	05/26/22 22:13	B2E0830	kp2	1
4,4'-DDE	< 4.37	4.37		ug/Kg dry	0.258	05/26/22 22:13	B2E0830	kp2	1
4,4'-DDT	< 8.75	8.75		ug/Kg dry	2.15	05/26/22 21:56	B2E0830	kp2	1
Aldrin	< 4.37	4.37		ug/Kg dry	0.649	05/26/22 21:56	B2E0830	kp2	1
alpha-BHC	< 0.500	0.500		ug/Kg dry	0.353	05/26/22 22:13	B2E0830	kp2	1
alpha-Chlordane	< 4.37	4.37		ug/Kg dry	0.773	05/26/22 21:56	B2E0830	kp2	1
beta-BHC	< 8.75	8.75		ug/Kg dry	1.22	05/26/22 21:56	B2E0830	kp2	1
delta BHC	2.19	2.19		ug/Kg dry	0.496	05/26/22 22:13	B2E0830	kp2	1
Dieldrin	< 4.00	4.00		ug/Kg dry	0.680	05/26/22 21:56	B2E0830	kp2	1
Endosulfan I	< 4.37	4.37		ug/Kg dry	1.05	05/26/22 21:56	B2E0830	kp2	1
Endosulfan II	< 4.37	4.37		ug/Kg dry	0.994	05/26/22 22:13	B2E0830	kp2	1
Endosulfan sulfate	< 8.75	8.75		ug/Kg dry	1.15	05/26/22 22:13	B2E0830	kp2	1
Endrin	< 4.37	4.37		ug/Kg dry	0.788	05/26/22 21:56	B2E0830	kp2	1
Endrin aldehyde	< 8.75	8.75		ug/Kg dry	1.27	05/26/22 21:56	B2E0830	kp2	1
Endrin ketone	< 8.75	8.75		ug/Kg dry	1.35	05/26/22 21:56	B2E0830	kp2	1
gamma-BHC	< 4.37	4.37		ug/Kg dry	0.318	05/26/22 22:13	B2E0830	kp2	1
gamma-Chlordane	< 8.75	8.75		ug/Kg dry	1.87	05/26/22 21:56	B2E0830	kp2	1
Heptachlor	< 8.75	8.75		ug/Kg dry	1.24	05/26/22 21:56	B2E0830	kp2	1
Heptachlor epoxide	< 8.75	8.75		ug/Kg dry	1.20	05/26/22 22:13	B2E0830	kp2	1
Methoxychlor	< 8.75	8.75		ug/Kg dry	2.10	05/26/22 21:56	B2E0830	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 86%	Limits: 23-110	05/26/22 22:13	B2E0830	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 83%	Limits: 32-109	05/26/22 22:13	B2E0830	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.219	0.219		mg/Kg dry	0.0416	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1221	< 0.328	0.328		mg/Kg dry	0.0886	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1232	< 0.328	0.328		mg/Kg dry	0.0667	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1242	< 0.328	0.328		mg/Kg dry	0.0722	05/26/22 13:07	B2E0829	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-100
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.328	0.328	mg/Kg dry	0.0667	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1254	< 0.219	0.219	mg/Kg dry	0.0361	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1260	< 0.219	0.219	mg/Kg dry	0.0470	05/26/22 13:07	B2E0829	CS2	1
Total PCB	< 0.328	0.328	mg/Kg dry	0.0886	05/26/22 13:07	B2E0829	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 52%	Limits: 10-127	05/26/22 13:07	B2E0829	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 47%	Limits: 11-119	05/26/22 13:07	B2E0829	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 106	106	ug/Kg dry	19.6	05/26/22 12:09	B2E0820	CG1	1
2,4,5-TP (Silvex)	< 212	212	ug/Kg dry	29.2	05/26/22 12:09	B2E0820	CG1	1
2,4-D	< 212	212	ug/Kg dry	18.9	05/26/22 12:09	B2E0820	CG1	1
2,4-DB	< 106	106	ug/Kg dry	14.4	05/26/22 19:21	B2E0820	CG1	1
Dalapon	< 850	850	ug/Kg dry	650	05/26/22 12:09	B2E0820	CG1	1
Dicamba	< 212	212	ug/Kg dry	36.8	05/26/22 12:09	B2E0820	CG1	1
Dichlorprop	< 106	106	ug/Kg dry	17.2	05/26/22 12:09	B2E0820	CG1	1
Dinoseb	< 212	212	ug/Kg dry	45.4	05/26/22 12:09	B2E0820	CG1	1
MCPA	< 106	106	ug/Kg dry	15.6	05/26/22 12:09	B2E0820	CG1	1
MCPP	< 106	106	ug/Kg dry	19.4	05/26/22 12:09	B2E0820	CG1	1
Pentachlorophenol	< 212	212	ug/Kg dry	50.6	05/26/22 19:21	B2E0820	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 58%	Limits: 10-116	05/26/22 12:09	B2E0820	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.40	1.40	ug/Kg dry	0.284	05/19/22 17:15	B2E0691	KS1	1
1,1,1-Trichloroethane	< 1.40	1.40	ug/Kg dry	0.288	05/19/22 17:15	B2E0691	KS1	1
1,1,2,2-Tetrachloroethane	< 1.40	1.40	ug/Kg dry	0.250	05/19/22 17:15	B2E0691	KS1	1
1,1,2 Trichloroethane	1.40	1.40	ug/Kg dry	0.308	05/19/22 17:15	B2E0691	K 1	1
1,1-Dichloroethane	< 2.81	2.81	ug/Kg dry	0.381	05/19/22 17:15	B2E0691	KS1	1
1,1-Dichloroethene	< 1.40	1.40	ug/Kg dry	0.305	05/19/22 17:15	B2E0691	KS1	1
1,1-Dichloropropene	< 14.0	14.0	ug/Kg dry	1.99	05/19/22 17:15	B2E0691	KS1	1
1,2,3-Trichlorobenzene	< 28.1	28.1	ug/Kg dry	4.55	05/19/22 17:15	B2E0691	KS1	1
1,2,3-Trichloropropane	< 14.0	14.0	ug/Kg dry	2.69	05/19/22 17:15	B2E0691	KS1	1
1,2,4-Trichlorobenzene	< 28.1	28.1	ug/Kg dry	4.47	05/19/22 17:15	B2E0691	KS1	1
1,2,4-Trimethylbenzene	< 5.62	5.62	ug/Kg dry	0.757	05/19/22 17:15	B2E0691	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.17	05/19/22 17:15	B2E0691	KS1	1
1,2-Dibromoethane	< 1.40	1.40	ug/Kg dry	0.191	05/19/22 17:15	B2E0691	KS1	1
1,2-Dichloroethane	< 1.40	1.40	ug/Kg dry	0.289	05/19/22 17:15	B2E0691	KS1	1
1,2-Dichloropropane	< 1.40	1.40	ug/Kg dry	0.339	05/19/22 17:15	B2E0691	KS1	1
1,3,5-Trimethylbenzene	< 2.81	2.81	ug/Kg dry	0.702	05/19/22 17:15	B2E0691	KS1	1
1,3-Dichloropropane	< 1.40	1.40	ug/Kg dry	0.314	05/19/22 17:15	B2E0691	KS1	1
2,2-Dichloropropane	< 1.40	1.40	ug/Kg dry	0.233	05/19/22 17:15	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-100
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
2-Butanone	< 19.7	19.7	ug/Kg dry	4.78	05/19/22 17:15	B2E0691	KS1	1
2-Chlorotoluene	< 2.81	2.81	ug/Kg dry	0.616	05/19/22 17:15	B2E0691	KS1	1
2-Hexanone	< 19.7	19.7	ug/Kg dry	3.73	05/19/22 17:15	B2E0691	KS1	1
4-Chlorotoluene	< 2.81	2.81	ug/Kg dry	0.615	05/19/22 17:15	B2E0691	KS1	1
4-Isopropyltoluene	< 5.62	5.62	ug/Kg dry	0.823	05/19/22 17:15	B2E0691	KS1	1
4-Methyl-2-pentanone	< 19.7	19.7	ug/Kg dry	2.87	05/19/22 17:15	B2E0691	KS1	1
Acetone	< 49.2	49.2	ug/Kg dry	8.50	05/19/22 17:15	B2E0691	KS1	1
Benzene	< 1.40	1.40	ug/Kg dry	0.202	05/19/22 17:15	B2E0691	KS1	1
Bromobenzene	< 2.81	2.81	ug/Kg dry	0.395	05/19/22 17:15	B2E0691	KS1	1
Bromochloromethane	< 2.81	2.81	ug/Kg dry	0.493	05/19/22 17:15	B2E0691	KS1	1
Bromodichloromethane	< 1.40	1.40	ug/Kg dry	0.338	05/19/22 17:15	B2E0691	KS1	1
Bromoform	< 2.81	2.81	ug/Kg dry	0.442	05/19/22 17:15	B2E0691	KS1	1
Bromomethane	< 14.0	14.0	ug/Kg dry	1.69	05/19/22 17:15	B2E0691	KS1	1
Carbon disulfide	< 2.81	2.81	ug/Kg dry	0.423	05/19/22 17:15	B2E0691	KS1	1
Carbon tetrachloride	< 14.0	14.0	ug/Kg dry	1.96	05/19/22 17:15	B2E0691	KS1	1
Chlorobenzene	< 2.81	2.81	ug/Kg dry	0.365	05/19/22 17:15	B2E0691	KS1	1
Chloroethane	< 5.62	5.62	ug/Kg dry	0.993	05/19/22 17:15	B2E0691	KS1	1
Chloroform	< 2.81	2.81	ug/Kg dry	0.514	05/19/22 17:15	B2E0691	KS1	1
Chloromethane	5.62	5.62	ug/Kg dry	1.03	05/19/22 17:15	B2E0691	K 1	1
cis-1,2-Dichloroethene	< 2.81	2.81	ug/Kg dry	0.401	05/19/22 17:15	B2E0691	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.486	05/19/22 17:15	B2E0691	KS1	1
Dibromochloromethane	< 1.40	1.40	ug/Kg dry	0.334	05/19/22 17:15	B2E0691	KS1	1
Dibromomethane	< 1.40	1.40	ug/Kg dry	0.257	05/19/22 17:15	B2E0691	KS1	1
Dichlorodifluoromethane	7.02	7.02	ug/Kg dry	0.850	05/19/22 17:15	B2E0691	K 1	1
Ethylbenzene	< 5.62	5.62	ug/Kg dry	0.727	05/19/22 17:15	B2E0691	KS1	1
Isopropylbenzene	< 2.81	2.81	ug/Kg dry	0.698	05/19/22 17:15	B2E0691	KS1	1
m,p-Xylene	< 5.62	5.62	ug/Kg dry	1.14	05/19/22 17:15	B2E0691	KS1	1
Methyl tert-butyl ether	< 1.40	1.40	ug/Kg dry	0.235	05/19/22 17:15	B2E0691	KS1	1
Methylene chloride	< 14.0	14.0	ug/Kg dry	2.76	05/19/22 17:15	B2E0691	KS1	1
n-Butylbenzene	< 14.0	14.0	ug/Kg dry	2.01	05/19/22 17:15	B2E0691	KS1	1
n-Propylbenzene	< 2.81	2.81	ug/Kg dry	0.672	05/19/22 17:15	B2E0691	KS1	1
o-Xylene	< 5.62	5.62	ug/Kg dry	0.717	05/19/22 17:15	B2E0691	KS1	1
sec-Butylbenzene	< 2.81	2.81	ug/Kg dry	0.689	05/19/22 17:15	B2E0691	KS1	1
Styrene	< 5.62	5.62	ug/Kg dry	0.771	05/19/22 17:15	B2E0691	KS1	1
tert-Butylbenzene	< 2.81	2.81	ug/Kg dry	0.267	05/19/22 17:15	B2E0691	KS1	1
Tetrachloroethene	< 2.81	2.81	ug/Kg dry	0.410	05/19/22 17:15	B2E0691	KS1	1
Toluene	< 1.40	1.40	ug/Kg dry	0.254	05/19/22 17:15	B2E0691	KS1	1
trans-1,2-Dichloroethene	< 2.81	2.81	ug/Kg dry	0.650	05/19/22 17:15	B2E0691	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.575	05/19/22 17:15	B2E0691	KS1	1
Trichloroethene	< 1.40	1.40	ug/Kg dry	0.341	05/19/22 17:15	B2E0691	KS1	1
Trichlorofluoromethane	< 1.40	1.40	ug/Kg dry	0.291	05/19/22 17:15	B2E0691	KS1	1
Vinyl acetate	< 2.81	2.81	ug/Kg dry	0.358	05/19/22 17:15	B2E0691	KS1	1
Vinyl chloride	< 2.81	2.81	ug/Kg dry	0.502	05/19/22 17:15	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-100
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 8.43	8.43	ug/Kg dry	1.80	05/19/22 17:15	B2E0691	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.443	05/19/22 17:15	B2E0691	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 105%	Limits: 80-141	05/19/22 17:15	B2E0691	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 116%	Limits: 79-150	05/19/22 17:15	B2E0691	KS1	1
Surrogate: Fluorobenzene			Recovery: 97%	Limits: 88-111	05/19/22 17:15	B2E0691	KS1	1
Surrogate: Toluene-d8			Recovery: 101%	Limits: 78-121	05/19/22 17:15	B2E0691	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 104%	Limits: 82-137	05/19/22 17:15	B2E0691	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 110%	Limits: 81-135	05/19/22 17:15	B2E0691	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 65.2	65.2	ug/Kg dry	12.3	05/19/22 18:37	B2E0535	LP	2
1,2-Dichlorobenzene	< 65.2	65.2	ug/Kg dry	11.3	05/19/22 18:37	B2E0535	LP	2
1,3-Dichlorobenzene	< 65.2	65.2	ug/Kg dry	10.8	05/19/22 18:37	B2E0535	LP	2
1,4-Dichlorobenzene	< 65.2	65.2	ug/Kg dry	10.3	05/19/22 18:37	B2E0535	LP	2
1-Methylnaphthalene	65.2	65.2	ug/Kg dry	12.2	05/19/22 18:37	B2E0535	LP	2
2,4,5-Trichlorophenol	< 43.5	43.5	ug/Kg dry	7.72	05/19/22 18:37	B2E0535	LP	2
2,4,6-Trichlorophenol	< 43.5	43.5	ug/Kg dry	14.4	05/19/22 18:37	B2E0535	LP	2
2,4-Dichlorophenol	< 43.5	43.5	ug/Kg dry	6.95	05/19/22 18:37	B2E0535	LP	2
2,4-Dimethylphenol	< 130	130	ug/Kg dry	8.96	05/19/22 18:37	B2E0535	LP	2
2,4-Dinitrophenol	1090	1090	ug/Kg dry	148	05/19/22 18:37	B2E0535	LP	2
2,4-Dinitrotoluene	< 65.2	65.2	ug/Kg dry	14.3	05/19/22 18:37	B2E0535	LP	2
2,6-Dinitrotoluene	< 43.5	43.5	ug/Kg dry	7.74	05/19/22 18:37	B2E0535	LP	2
2-Chloronaphthalene	< 43.5	43.5	ug/Kg dry	9.23	05/19/22 18:37	B2E0535	LP	2
2-Chlorophenol	< 43.5	43.5	ug/Kg dry	9.70	05/19/22 18:37	B2E0535	LP	2
2-Methylnaphthalene	< 65.2	65.2	ug/Kg dry	10.6	05/19/22 18:37	B2E0535	LP	2
2-Methylphenol	< 21.7	21.7	ug/Kg dry	4.99	05/19/22 18:37	B2E0535	LP	2
2-Nitroaniline	< 65.2	65.2	ug/Kg dry	13.2	05/19/22 18:37	B2E0535	LP	2
2-Nitrophenol	< 65.2	65.2	ug/Kg dry	18.2	05/19/22 18:37	B2E0535	LP	2
3,3'-Dichlorobenzidine	< 261	261	ug/Kg dry	41.4	05/19/22 18:37	B2E0535	LP	2
3 & 4-Methylphenol	< 86.9	86.9	ug/Kg dry	17.0	05/19/22 18:37	B2E0535	LP	2
3-Nitroaniline	< 65.2	65.2	ug/Kg dry	23.1	05/19/22 18:37	B2E0535	LP	2
4,6-Dinitro-2-methylphenol	< 1740	1740	ug/Kg dry	256	05/19/22 18:37	B2E0535	LP	2
4-Bromophenyl-phenylether	< 65.2	65.2	ug/Kg dry	11.5	05/19/22 18:37	B2E0535	LP	2
4-Chloro-3-methylphenol	< 43.5	43.5	ug/Kg dry	5.96	05/19/22 18:37	B2E0535	LP	2
4-Chloroaniline	< 65.2	65.2	ug/Kg dry	10.4	05/19/22 18:37	B2E0535	LP	2
4-Chlorophenyl-phenylether	< 65.2	65.2	ug/Kg dry	11.0	05/19/22 18:37	B2E0535	LP	2
4-Nitroaniline	< 86.9	86.9	ug/Kg dry	8.62	05/19/22 18:37	B2E0535	LP	2
4-Nitrophenol	< 1740	1740	ug/Kg dry	288	05/19/22 18:37	B2E0535	LP	2
Acenaphthene	< 43.5	43.5	ug/Kg dry	8.73	05/19/22 18:37	B2E0535	LP	2
Acenaphthylene	184	43.5	ug/Kg dry	9.80	05/19/22 18:37	B2E0535	LP	2
Anthracene	470	65.2	ug/Kg dry	12.5	05/19/22 18:37	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-100
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-01 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Azobenzene as 1,2-Diphenylhydrazine	< 43.5	43.5		ug/Kg dry	6.21	05/19/22 18:37	B2E0535	LP	2
Benzidine	< 369	369		ug/Kg dry	369	05/19/22 18:37	B2E0535	LP	2
Benzo(a)anthracene	1260	65.2		ug/Kg dry	10.9	05/19/22 18:37	B2E0535	LP	2
Benzo(a)pyrene	1150	90.0		ug/Kg dry	13.3	05/19/22 18:37	B2E0535	LP	2
Benzo(b)fluoranthene	1510	65.2		ug/Kg dry	17.4	05/19/22 18:37	B2E0535	LP	2
Benzo(g,h,i)perylene	761	86.9		ug/Kg dry	9.66	05/19/22 18:37	B2E0535	LP	2
Benzo(k)fluoranthene	458	86.9		ug/Kg dry	10.6	05/19/22 18:37	B2E0535	LP	2
Benzoic acid	< 3480	3480		ug/Kg dry	216	05/19/22 18:37	B2E0535	LP	2
Benzyl alcohol	< 65.2	65.2		ug/Kg dry	11.2	05/19/22 18:37	B2E0535	LP	2
Bis(2-chloroethoxy)methane	< 43.5	43.5		ug/Kg dry	9.51	05/19/22 18:37	B2E0535	LP	2
Bis(2-chloroethyl)ether	< 660	660		ug/Kg dry	115	05/19/22 18:37	B2E0535	LP	2
Bis(2-chloroisopropyl)ether	< 1740	1740		ug/Kg dry	147	05/19/22 18:37	B2E0535	LP	2
Bis(2-ethylhexyl)phthalate	666	435		ug/Kg dry	73.6	05/19/22 18:37	B2E0535	LP	2
Butyl benzyl phthalate	< 130	130		ug/Kg dry	18.0	05/19/22 18:37	B2E0535	LP	2
Carbazole	< 43.5	43.5		ug/Kg dry	7.32	05/19/22 18:37	B2E0535	LP	2
Chrysene	1350	43.5		ug/Kg dry	6.92	05/19/22 18:37	B2E0535	LP	2
Dibenzo(a,h)anthracene	231	65.2		ug/Kg dry	26.4	05/19/22 18:37	B2E0535	LP	2
Dibenzofuran	< 65.2	65.2		ug/Kg dry	9.67	05/19/22 18:37	B2E0535	LP	2
Diethyl phthalate	< 435	435		ug/Kg dry	75.0	05/19/22 18:37	B2E0535	LP	2
Dimethyl phthalate	< 43.5	43.5		ug/Kg dry	8.72	05/19/22 18:37	B2E0535	LP	2
Di-n-butyl phthalate	< 130	130		ug/Kg dry	24.2	05/19/22 18:37	B2E0535	LP	2
Di-n-octyl phthalate	< 65.2	65.2		ug/Kg dry	15.9	05/19/22 18:37	B2E0535	LP	2
Fluoranthene	1640	65.2		ug/Kg dry	14.1	05/19/22 18:37	B2E0535	LP	2
Fluorene	55.8	43.5		ug/Kg dry	8.56	05/19/22 18:37	B2E0535	LP	2
Hexachlorobenzene	< 43.5	43.5		ug/Kg dry	8.37	05/19/22 18:37	B2E0535	LP	2
Hexachlorobutadiene	< 86.9	86.9		ug/Kg dry	13.4	05/19/22 18:37	B2E0535	LP	2
Hexachlorocyclopentadiene	< 1100	1100		ug/Kg dry	163	05/19/22 18:37	B2E0535	LP	2
Hexachloroethane	< 86.9	86.9		ug/Kg dry	11.9	05/19/22 18:37	B2E0535	LP	2
Indeno(1,2,3-cd)pyrene	890	65.2		ug/Kg dry	17.2	05/19/22 18:37	B2E0535	LP	2
Isophorone	< 65.2	65.2		ug/Kg dry	8.31	05/19/22 18:37	B2E0535	LP	2
Naphthalene	< 65.2	65.2		ug/Kg dry	12.5	05/19/22 18:37	B2E0535	LP	2
Nitrobenzene	< 86.9	86.9		ug/Kg dry	11.3	05/19/22 18:37	B2E0535	LP	2
N-Nitrosodimethylamine	< 86.9	86.9		ug/Kg dry	16.4	05/19/22 18:37	B2E0535	LP	2
N-Nitrosodi-n-propylamine	< 20.4	20.4		ug/Kg dry	20.4	05/19/22 18:37	B2E0535	LP	2
N-Nitrosodiphenylamine	< 65.2	65.2		ug/Kg dry	15.1	05/19/22 18:37	B2E0535	LP	2
Pentachlorophenol	< 117	117		ug/Kg dry	117	05/19/22 18:37	B2E0535	LP	2
Phenanthrene	520	65.2		ug/Kg dry	11.3	05/19/22 18:37	B2E0535	LP	2
Phenol	< 86.9	86.9		ug/Kg dry	12.0	05/19/22 18:37	B2E0535	LP	2
Pyrene	1600	65.2		ug/Kg dry	12.0	05/19/22 18:37	B2E0535	LP	2
Surrogate: 2-Fluorophenol				Recovery: 38%	Limits: 10-101	05/19/22 18:37	B2E0535	LP	2
Surrogate: Phenol-d5				Recovery: 50%	Limits: 10-110	05/19/22 18:37	B2E0535	LP	2
Surrogate: Nitrobenzene-d5				Recovery: 57%	Limits: 16-114	05/19/22 18:37	B2E0535	LP	2
Surrogate: 2-Fluorobiphenyl				Recovery: 69%	Limits: 15-117	05/19/22 18:37	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-100
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 59%		Limits: 10-118	05/19/22 18:37	B2E0535	LP	2
Surrogate: 4-Terphenyl-d14			Recovery: 88%		Limits: 12-144	05/19/22 18:37	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-101
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-02

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.32	1.32			mg/Kg dry	0.528	05/19/22 21:12	B2E0566	CS2	1
Arsenic	< 1.32	1.32			mg/Kg dry	0.381	05/19/22 21:12	B2E0566	CS2	1
Barium	8.25	1.32			mg/Kg dry	0.206	05/19/22 21:12	B2E0566	CS2	1
Beryllium	< 0.132	0.132			mg/Kg dry	0.0317	05/19/22 21:12	B2E0566	CS2	1
Cadmium	< 0.132	0.132			mg/Kg dry	0.0264	05/19/22 21:12	B2E0566	CS2	1
Chromium	3.04	1.32			mg/Kg dry	0.365	05/19/22 21:12	B2E0566	CS2	1
Cobalt	< 1.32	1.32			mg/Kg dry	0.206	05/19/22 21:12	B2E0566	CS2	1
Copper	1.36	1.32			mg/Kg dry	0.312	05/19/22 21:12	B2E0566	CS2	1
Iron	9270	661			mg/Kg dry	317	05/19/22 20:08	B2E0566	CS2	100
Lead	3.51	1.32			mg/Kg dry	0.317	05/19/22 21:12	B2E0566	CS2	1
Manganese	181	1.32			mg/Kg dry	0.222	05/19/22 21:12	B2E0566	CS2	1
Nickel	2.03	1.32			mg/Kg dry	0.233	05/19/22 21:12	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.381	05/19/22 21:12	B2E0566	CS2	1
Silver	< 1.32	1.32			mg/Kg dry	0.264	05/19/22 21:12	B2E0566	CS2	1
Thallium	< 1.32	1.32			mg/Kg dry	0.507	05/19/22 21:12	B2E0566	CS2	1
Vanadium	3.49	1.32			mg/Kg dry	0.180	05/19/22 21:12	B2E0566	CS2	1
Zinc	11.0	5.28			mg/Kg dry	1.14	05/19/22 21:12	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:42	B2E0641	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/19/22 18:42	B2E0641	KJ1	5
Barium, TCLP	0.0997	0.0250			mg/L	0.00200	05/19/22 18:42	B2E0641	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:42	B2E0641	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:42	B2E0641	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:42	B2E0641	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:42	B2E0641	KJ1	5
Copper, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:42	B2E0641	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/19/22 18:42	B2E0641	KJ1	5
Manganese, TCLP	0.973	0.0250			mg/L	0.00250	05/19/22 18:42	B2E0641	KJ1	5
Nickel, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:42	B2E0641	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:42	B2E0641	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/19/22 18:42	B2E0641	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/19/22 18:42	B2E0641	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/19/22 18:42	B2E0641	KJ1	5
Zinc, TCLP	0.183	0.0250			mg/L	0.0100	05/19/22 18:42	B2E0641	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-101
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-02 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/24/22 14:00	B2E0772	TB2	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.032	05/19/22 14:21	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	92.8	0.100		% (Percent)	0.0240	05/18/22 06:15	B2E0562	MKP	1
Method: SW9045C									
pH	8.83			pH Units		05/19/22 13:24	B2E0632	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.52	8.52		ug/Kg dry	1.62	05/26/22 22:13	B2E0830	kp2	1
4,4'-DDE	< 4.26	4.26		ug/Kg dry	0.251	05/26/22 22:30	B2E0830	kp2	1
4,4'-DDT	< 8.52	8.52		ug/Kg dry	2.09	05/26/22 22:13	B2E0830	kp2	1
Aldrin	< 4.26	4.26		ug/Kg dry	0.632	05/26/22 22:30	B2E0830	kp2	1
alpha-BHC	< 0.500	0.500		ug/Kg dry	0.344	05/26/22 22:30	B2E0830	kp2	1
alpha-Chlordane	< 4.26	4.26		ug/Kg dry	0.753	05/26/22 22:13	B2E0830	kp2	1
beta-BHC	< 8.52	8.52		ug/Kg dry	1.19	05/26/22 22:30	B2E0830	kp2	1
delta BHC	2.13	2.13		ug/Kg dry	0.483	05/26/22 22:30	B2E0830	kp2	1
Dieldrin	< 4.00	4.00		ug/Kg dry	0.663	05/26/22 22:13	B2E0830	kp2	1
Endosulfan I	< 4.26	4.26		ug/Kg dry	1.02	05/26/22 22:13	B2E0830	kp2	1
Endosulfan II	< 4.26	4.26		ug/Kg dry	0.968	05/26/22 22:13	B2E0830	kp2	1
Endosulfan sulfate	< 8.52	8.52		ug/Kg dry	1.12	05/26/22 22:30	B2E0830	kp2	1
Endrin	< 4.26	4.26		ug/Kg dry	0.768	05/26/22 22:13	B2E0830	kp2	1
Endrin aldehyde	< 8.52	8.52		ug/Kg dry	1.24	05/26/22 22:13	B2E0830	kp2	1
Endrin ketone	< 8.52	8.52		ug/Kg dry	1.32	05/26/22 22:13	B2E0830	kp2	1
gamma-BHC	< 4.26	4.26		ug/Kg dry	0.310	05/26/22 22:13	B2E0830	kp2	1
gamma-Chlordane	< 8.52	8.52		ug/Kg dry	1.83	05/26/22 22:13	B2E0830	kp2	1
Heptachlor	< 8.52	8.52		ug/Kg dry	1.21	05/26/22 22:13	B2E0830	kp2	1
Heptachlor epoxide	< 8.52	8.52		ug/Kg dry	1.17	05/26/22 22:13	B2E0830	kp2	1
Methoxychlor	< 8.52	8.52		ug/Kg dry	2.05	05/26/22 22:13	B2E0830	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 79%	Limits: 23-110	05/26/22 22:13	B2E0830	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 77%	Limits: 32-109	05/26/22 22:30	B2E0830	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.213	0.213		mg/Kg dry	0.0405	05/26/22 13:24	B2E0829	CS2	1
Aroclor 1221	< 0.320	0.320		mg/Kg dry	0.0863	05/26/22 13:24	B2E0829	CS2	1
Aroclor 1232	< 0.320	0.320		mg/Kg dry	0.0650	05/26/22 13:24	B2E0829	CS2	1
Aroclor 1242	< 0.320	0.320		mg/Kg dry	0.0703	05/26/22 13:24	B2E0829	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-101
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-02 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.320	0.320	mg/Kg dry	0.0650	05/26/22 13:24	B2E0829	CS2	1
Aroclor 1254	< 0.213	0.213	mg/Kg dry	0.0352	05/26/22 13:24	B2E0829	CS2	1
Aroclor 1260	< 0.213	0.213	mg/Kg dry	0.0458	05/26/22 13:24	B2E0829	CS2	1
Total PCB	< 0.320	0.320	mg/Kg dry	0.0863	05/26/22 13:24	B2E0829	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 67%	Limits: 10-127	05/26/22 13:24	B2E0829	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 61%	Limits: 11-119	05/26/22 13:24	B2E0829	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 105	105		ug/Kg dry	19.5	05/26/22 20:18	B2E0820	CG1	1
2,4,5-TP (Silvex)	< 211	211		ug/Kg dry	29.0	05/26/22 12:47	B2E0820	CG1	1
2,4-D	< 211	211		ug/Kg dry	18.8	05/26/22 12:47	B2E0820	CG1	1
2,4-DB	< 105	105		ug/Kg dry	14.3	05/26/22 20:18	B2E0820	CG1	1
Dalapon	< 850	850		ug/Kg dry	646	05/26/22 12:47	B2E0820	CG1	1
Dicamba	< 211	211		ug/Kg dry	36.6	05/26/22 12:47	B2E0820	CG1	1
Dichloroprop	< 105	105		ug/Kg dry	17.1	05/26/22 12:47	B2E0820	CG1	1
Dinoseb	< 211	211		ug/Kg dry	45.1	05/26/22 12:47	B2E0820	CG1	1
MCPA	< 105	105		ug/Kg dry	15.5	05/26/22 12:47	B2E0820	CG1	1
MCPP	< 105	105		ug/Kg dry	19.3	05/26/22 12:47	B2E0820	CG1	1
Pentachlorophenol	< 211	211		ug/Kg dry	50.3	05/26/22 20:18	B2E0820	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid				Recovery: 87%	Limits: 10-116	05/26/22 12:47	B2E0820	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.41	1.41		ug/Kg dry	0.286	05/20/22 21:24	B2E0725	ZM1	1
1,1,1-Trichloroethane	< 1.41	1.41		ug/Kg dry	0.289	05/20/22 21:24	B2E0725	ZM1	1
1,1,2,2-Tetrachloroethane	< 1.41	1.41		ug/Kg dry	0.251	05/20/22 21:24	B2E0725	ZM1	1
1,1,2-Trichloroethane	< 1.41	1.41		ug/Kg dry	0.310	05/20/22 21:24	B2E0725	ZM1	1
1,1-Dichloroethane	< 2.82	2.82		ug/Kg dry	0.383	05/20/22 21:24	B2E0725	ZM1	1
1,1-Dichloroethene	< 1.41	1.41		ug/Kg dry	0.306	05/20/22 21:24	B2E0725	ZM1	1
1,1-Dichloropropene	< 14.1	14.1		ug/Kg dry	2.00	05/20/22 21:24	B2E0725	ZM1	1
1,2,3-Trichlorobenzene	< 28.2	28.2		ug/Kg dry	4.57	05/20/22 21:24	B2E0725	ZM1	1
1,2,3-Trichloropropane	< 14.1	14.1		ug/Kg dry	2.70	05/20/22 21:24	B2E0725	ZM1	1
1,2,4-Trichlorobenzene	< 28.2	28.2		ug/Kg dry	4.49	05/20/22 21:24	B2E0725	ZM1	1
1,2,4-Trimethylbenzene	< 5.64	5.64		ug/Kg dry	0.760	05/20/22 21:24	B2E0725	ZM1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00		ug/Kg dry	1.17	05/20/22 21:24	B2E0725	ZM1	1
1,2-Dibromoethane	< 1.41	1.41		ug/Kg dry	0.192	05/20/22 21:24	B2E0725	ZM1	1
1,2-Dichloroethane	< 1.41	1.41		ug/Kg dry	0.290	05/20/22 21:24	B2E0725	ZM1	1
1,2-Dichloropropane	< 1.41	1.41		ug/Kg dry	0.341	05/20/22 21:24	B2E0725	ZM1	1
1,3,5-Trimethylbenzene	< 2.82	2.82		ug/Kg dry	0.705	05/20/22 21:24	B2E0725	ZM1	1
1,3-Dichloropropane	< 1.41	1.41		ug/Kg dry	0.316	05/20/22 21:24	B2E0725	ZM1	1
2,2-Dichloropropane	< 1.41	1.41		ug/Kg dry	0.234	05/20/22 21:24	B2E0725	ZM1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-101
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-02 (Continued)

Analyses	Result	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual	Units					
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5035 (Continued)									
2-Butanone	< 19.8	19.8		ug/Kg dry	4.81	05/20/22 21:24	B2E0725	ZM1	1
2-Chlorotoluene	< 2.82	2.82		ug/Kg dry	0.619	05/20/22 21:24	B2E0725	ZM1	1
2-Hexanone	< 19.8	19.8		ug/Kg dry	3.74	05/20/22 21:24	B2E0725	ZM1	1
4-Chlorotoluene	< 2.82	2.82		ug/Kg dry	0.618	05/20/22 21:24	B2E0725	ZM1	1
4-Isopropyltoluene	< 5.64	5.64		ug/Kg dry	0.827	05/20/22 21:24	B2E0725	ZM1	1
4-Methyl-2-pentanone	< 19.8	19.8		ug/Kg dry	2.88	05/20/22 21:24	B2E0725	ZM1	1
Acetone	< 49.4	49.4		ug/Kg dry	8.54	05/20/22 21:24	B2E0725	ZM1	1
Benzene	< 1.41	1.41		ug/Kg dry	0.203	05/20/22 21:24	B2E0725	ZM1	1
Bromobenzene	< 2.82	2.82		ug/Kg dry	0.397	05/20/22 21:24	B2E0725	ZM1	1
Bromochloromethane	< 2.82	2.82		ug/Kg dry	0.495	05/20/22 21:24	B2E0725	ZM1	1
Bromodichloromethane	< 1.41	1.41		ug/Kg dry	0.340	05/20/22 21:24	B2E0725	ZM1	1
Bromoform	< 2.82	2.82		ug/Kg dry	0.444	05/20/22 21:24	B2E0725	ZM1	1
Bromomethane	< 14.1	14.1		ug/Kg dry	1.70	05/20/22 21:24	B2E0725	ZM1	1
Carbon disulfide	< 2.82	2.82		ug/Kg dry	0.425	05/20/22 21:24	B2E0725	ZM1	1
Carbon tetrachloride	< 14.1	14.1		ug/Kg dry	1.97	05/20/22 21:24	B2E0725	ZM1	1
Chlorobenzene	< 2.82	2.82		ug/Kg dry	0.367	05/20/22 21:24	B2E0725	ZM1	1
Chloroethane	< 5.64	5.64		ug/Kg dry	0.998	05/20/22 21:24	B2E0725	ZM1	1
Chloroform	< 2.82	2.82		ug/Kg dry	0.516	05/20/22 21:24	B2E0725	ZM1	1
Chloromethane	5.64	5.64		ug/Kg dry	1.03	05/20/22 21:24	B2E0725	ZM1	1
cis-1,2-Dichloroethene	< 2.82	2.82		ug/Kg dry	0.402	05/20/22 21:24	B2E0725	ZM1	1
cis-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.488	05/20/22 21:24	B2E0725	ZM1	1
Dibromochloromethane	< 1.41	1.41		ug/Kg dry	0.336	05/20/22 21:24	B2E0725	ZM1	1
Dibromomethane	< 1.41	1.41		ug/Kg dry	0.258	05/20/22 21:24	B2E0725	ZM1	1
Dichlorodifluoromethane	7.06	7.06		ug/Kg dry	0.854	05/20/22 21:24	B2E0725	ZM1	1
Ethylbenzene	< 5.64	5.64		ug/Kg dry	0.730	05/20/22 21:24	B2E0725	ZM1	1
Isopropylbenzene	< 2.82	2.82		ug/Kg dry	0.701	05/20/22 21:24	B2E0725	ZM1	1
m,p-Xylene	< 5.64	5.64		ug/Kg dry	1.14	05/20/22 21:24	B2E0725	ZM1	1
Methyl tert-butyl ether	< 1.41	1.41		ug/Kg dry	0.236	05/20/22 21:24	B2E0725	ZM1	1
Methylene chloride	< 14.1	14.1		ug/Kg dry	2.77	05/20/22 21:24	B2E0725	ZM1	1
n-Butylbenzene	< 14.1	14.1		ug/Kg dry	2.02	05/20/22 21:24	B2E0725	ZM1	1
n-Propylbenzene	< 2.82	2.82		ug/Kg dry	0.675	05/20/22 21:24	B2E0725	ZM1	1
o-Xylene	< 5.64	5.64		ug/Kg dry	0.721	05/20/22 21:24	B2E0725	ZM1	1
sec-Butylbenzene	< 2.82	2.82		ug/Kg dry	0.692	05/20/22 21:24	B2E0725	ZM1	1
Styrene	< 5.64	5.64		ug/Kg dry	0.774	05/20/22 21:24	B2E0725	ZM1	1
tert-Butylbenzene	< 2.82	2.82		ug/Kg dry	0.268	05/20/22 21:24	B2E0725	ZM1	1
Tetrachloroethene	< 2.82	2.82		ug/Kg dry	0.412	05/20/22 21:24	B2E0725	ZM1	1
Toluene	< 1.41	1.41		ug/Kg dry	0.255	05/20/22 21:24	B2E0725	ZM1	1
trans-1,2-Dichloroethene	< 2.82	2.82		ug/Kg dry	0.653	05/20/22 21:24	B2E0725	ZM1	1
trans-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.577	05/20/22 21:24	B2E0725	ZM1	1
Trichloroethene	< 1.41	1.41		ug/Kg dry	0.342	05/20/22 21:24	B2E0725	ZM1	1
Trichlorofluoromethane	< 1.41	1.41		ug/Kg dry	0.292	05/20/22 21:24	B2E0725	ZM1	1
Vinyl acetate	< 2.82	2.82		ug/Kg dry	0.360	05/20/22 21:24	B2E0725	ZM1	1
Vinyl chloride	< 2.82	2.82		ug/Kg dry	0.504	05/20/22 21:24	B2E0725	ZM1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-101
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-02 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 8.47	8.47	ug/Kg dry	1.81	05/20/22 21:24	B2E0725	ZM1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.445	05/20/22 21:24	B2E0725	ZM1	1
Surrogate: Dibromofluoromethane			Recovery: 111%	Limits: 80-141	05/20/22 21:24	B2E0725	ZM1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 110%	Limits: 79-150	05/20/22 21:24	B2E0725	ZM1	1
Surrogate: Fluorobenzene			Recovery: 98%	Limits: 88-111	05/20/22 21:24	B2E0725	ZM1	1
Surrogate: Toluene-d8			Recovery: 90%	Limits: 78-121	05/20/22 21:24	B2E0725	ZM1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 106%	Limits: 82-137	05/20/22 21:24	B2E0725	ZM1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 105%	Limits: 81-135	05/20/22 21:24	B2E0725	ZM1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 31.5	31.5	ug/Kg dry	5.94	05/19/22 21:39	B2E0535	LP	1
1,2-Dichlorobenzene	< 31.5	31.5	ug/Kg dry	5.47	05/19/22 21:39	B2E0535	LP	1
1,3-Dichlorobenzene	< 31.5	31.5	ug/Kg dry	5.20	05/19/22 21:39	B2E0535	LP	1
1,4-Dichlorobenzene	< 31.5	31.5	ug/Kg dry	4.99	05/19/22 21:39	B2E0535	LP	1
1-Methylnaphthalene	< 31.5	31.5	ug/Kg dry	5.91	05/19/22 21:39	B2E0535	LP	1
2,4,5-Trichlorophenol	< 21.0	21.0	ug/Kg dry	3.73	05/19/22 21:39	B2E0535	LP	1
2,4,6-Trichlorophenol	< 21.0	21.0	ug/Kg dry	6.95	05/19/22 21:39	B2E0535	LP	1
2,4-Dichlorophenol	< 21.0	21.0	ug/Kg dry	3.36	05/19/22 21:39	B2E0535	LP	1
2,4-Dimethylphenol	< 63.0	63.0	ug/Kg dry	4.33	05/19/22 21:39	B2E0535	LP	1
2,4-Dinitrophenol	< 525	525	ug/Kg dry	71.4	05/19/22 21:39	B2E0535	LP	1
2,4-Dinitrotoluene	< 31.5	31.5	ug/Kg dry	6.93	05/19/22 21:39	B2E0535	LP	1
2,6-Dinitrotoluene	< 21.0	21.0	ug/Kg dry	3.74	05/19/22 21:39	B2E0535	LP	1
2-Chloronaphthalene	< 21.0	21.0	ug/Kg dry	4.46	05/19/22 21:39	B2E0535	LP	1
2-Chlorophenol	< 21.0	21.0	ug/Kg dry	4.69	05/19/22 21:39	B2E0535	LP	1
2-Methylnaphthalene	31.5	31.5	ug/Kg dry	5.12	05/19/22 21:39	B2E0535	LP	1
2-Methylphenol	< 10.5	10.5	ug/Kg dry	2.41	05/19/22 21:39	B2E0535	LP	1
2-Nitroaniline	< 31.5	31.5	ug/Kg dry	6.39	05/19/22 21:39	B2E0535	LP	1
2-Nitrophenol	< 31.5	31.5	ug/Kg dry	8.81	05/19/22 21:39	B2E0535	LP	1
3,3'-Dichlorobenzidine	< 126	126	ug/Kg dry	20.0	05/19/22 21:39	B2E0535	LP	1
3 & 4-Me hylphenol	< 42.0	42.0	ug/Kg dry	8.20	05/19/22 21:39	B2E0535	LP	1
3-Nitroaniline	< 31.5	31.5	ug/Kg dry	11.2	05/19/22 21:39	B2E0535	LP	1
4,6-Dinitro-2-methylphenol	< 840	840	ug/Kg dry	124	05/19/22 21:39	B2E0535	LP	1
4-Bromophenyl-phenylether	< 31.5	31.5	ug/Kg dry	5.56	05/19/22 21:39	B2E0535	LP	1
4-Chloro-3-methylphenol	< 21.0	21.0	ug/Kg dry	2.88	05/19/22 21:39	B2E0535	LP	1
4-Chloroaniline	< 31.5	31.5	ug/Kg dry	5.05	05/19/22 21:39	B2E0535	LP	1
4-Chlorophenyl-phenylether	< 31.5	31.5	ug/Kg dry	5.33	05/19/22 21:39	B2E0535	LP	1
4-Nitroaniline	< 42.0	42.0	ug/Kg dry	4.17	05/19/22 21:39	B2E0535	LP	1
4-Nitrophenol	< 840	840	ug/Kg dry	139	05/19/22 21:39	B2E0535	LP	1
Acenaphthene	< 21.0	21.0	ug/Kg dry	4.22	05/19/22 21:39	B2E0535	LP	1
Acenaphthylene	66.5	21.0	ug/Kg dry	4.74	05/19/22 21:39	B2E0535	LP	1
Anthracene	111	31.5	ug/Kg dry	6.06	05/19/22 21:39	B2E0535	LP	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-101
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-02 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Azobenzene as 1,2-Diphenylhydrazine	< 21.0	21.0		ug/Kg dry	3.00	05/19/22 21:39	B2E0535	LP	1
Benzidine	< 178	178		ug/Kg dry	178	05/19/22 21:39	B2E0535	LP	1
Benzo(a)anthracene	435	31.5		ug/Kg dry	5.27	05/19/22 21:39	B2E0535	LP	1
Benzo(a)pyrene	406	90.0		ug/Kg dry	6.44	05/19/22 21:39	B2E0535	LP	1
Benzo(b)fluoranthene	553	31.5		ug/Kg dry	8.43	05/19/22 21:39	B2E0535	LP	1
Benzo(g,h,i)perylene	285	42.0		ug/Kg dry	4.67	05/19/22 21:39	B2E0535	LP	1
Benzo(k)fluoranthene	165	42.0		ug/Kg dry	5.13	05/19/22 21:39	B2E0535	LP	1
Benzoic acid	< 1680	1680		ug/Kg dry	104	05/19/22 21:39	B2E0535	LP	1
Benzyl alcohol	< 31.5	31.5		ug/Kg dry	5.39	05/19/22 21:39	B2E0535	LP	1
Bis(2-chloroethoxy)methane	< 21.0	21.0		ug/Kg dry	4.60	05/19/22 21:39	B2E0535	LP	1
Bis(2-chloroethyl)ether	< 525	525		ug/Kg dry	55.7	05/19/22 21:39	B2E0535	LP	1
Bis(2-chloroisopropyl)ether	< 840	840		ug/Kg dry	70.9	05/19/22 21:39	B2E0535	LP	1
Bis(2-ethylhexyl)phthalate	< 210	210		ug/Kg dry	35.6	05/19/22 21:39	B2E0535	LP	1
Butyl benzyl phthalate	< 63.0	63.0		ug/Kg dry	8.70	05/19/22 21:39	B2E0535	LP	1
Carbazole	< 21.0	21.0		ug/Kg dry	3.54	05/19/22 21:39	B2E0535	LP	1
Chrysene	423	21.0		ug/Kg dry	3.35	05/19/22 21:39	B2E0535	LP	1
Dibenzo(a,h)anthracene	72.1	31.5		ug/Kg dry	12.8	05/19/22 21:39	B2E0535	LP	1
Dibenzofuran	< 31.5	31.5		ug/Kg dry	4.68	05/19/22 21:39	B2E0535	LP	1
Diethyl phthalate	< 210	210		ug/Kg dry	36.3	05/19/22 21:39	B2E0535	LP	1
Dimethyl phthalate	< 21.0	21.0		ug/Kg dry	4.21	05/19/22 21:39	B2E0535	LP	1
Di-n-butyl phthalate	< 63.0	63.0		ug/Kg dry	11.7	05/19/22 21:39	B2E0535	LP	1
Di-n-octyl phthalate	< 31.5	31.5		ug/Kg dry	7.70	05/19/22 21:39	B2E0535	LP	1
Fluoranthene	522	31.5		ug/Kg dry	6.81	05/19/22 21:39	B2E0535	LP	1
Fluorene	< 21.0	21.0		ug/Kg dry	4.14	05/19/22 21:39	B2E0535	LP	1
Hexachlorobenzene	< 21.0	21.0		ug/Kg dry	4.04	05/19/22 21:39	B2E0535	LP	1
Hexachlorobutadiene	< 42.0	42.0		ug/Kg dry	6.46	05/19/22 21:39	B2E0535	LP	1
Hexachlorocyclopentadiene	< 840	840		ug/Kg dry	79.0	05/19/22 21:39	B2E0535	LP	1
Hexachloroethane	< 42.0	42.0		ug/Kg dry	5.76	05/19/22 21:39	B2E0535	LP	1
Indeno(1,2,3-cd)pyrene	309	31.5		ug/Kg dry	8.32	05/19/22 21:39	B2E0535	LP	1
Isophorone	< 31.5	31.5		ug/Kg dry	4.02	05/19/22 21:39	B2E0535	LP	1
Naphthalene	< 31.5	31.5		ug/Kg dry	6.04	05/19/22 21:39	B2E0535	LP	1
Nitrobenzene	< 42.0	42.0		ug/Kg dry	5.45	05/19/22 21:39	B2E0535	LP	1
N-Nitrosodimethylamine	< 42.0	42.0		ug/Kg dry	7.95	05/19/22 21:39	B2E0535	LP	1
N-Nitrosodi-n-propylamine	< 9.85	9.85		ug/Kg dry	9.85	05/19/22 21:39	B2E0535	LP	1
N-Nitrosodiphenylamine	< 31.5	31.5		ug/Kg dry	7.28	05/19/22 21:39	B2E0535	LP	1
Pentachlorophenol	< 56.5	56.5		ug/Kg dry	56.5	05/19/22 21:39	B2E0535	LP	1
Phenanthrene	165	31.5		ug/Kg dry	5.45	05/19/22 21:39	B2E0535	LP	1
Phenol	< 42.0	42.0		ug/Kg dry	5.80	05/19/22 21:39	B2E0535	LP	1
Pyrene	618	31.5		ug/Kg dry	5.79	05/19/22 21:39	B2E0535	LP	1
Surrogate: 2-Fluorophenol				Recovery: 45%	Limits: 10-101	05/19/22 21:39	B2E0535	LP	1
Surrogate: Phenol-d5				Recovery: 51%	Limits: 10-110	05/19/22 21:39	B2E0535	LP	1
Surrogate: Nitrobenzene-d5				Recovery: 58%	Limits: 16-114	05/19/22 21:39	B2E0535	LP	1
Surrogate: 2-Fluorobiphenyl				Recovery: 72%	Limits: 15-117	05/19/22 21:39	B2E0535	LP	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-101
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-02 (Continued)

Analyses	EMT Reporting				MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual	Units						
Semivolatile Organic Compounds by GC/MS (Continued)										
Method: SW8270D / SW3550 (Continued)										
Surrogate: 2,4,6-Tribromophenol				Recovery: 71%		Limits: 10-118	05/19/22 21:39	B2E0535	LP	1
Surrogate: 4-Terphenyl-d14				Recovery: 99%		Limits: 12-144	05/19/22 21:39	B2E0535	LP	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-102
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-03

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.43	1.43			mg/Kg dry	0.570	05/19/22 21:17	B2E0566	CS2	1
Arsenic	< 1.43	1.43			mg/Kg dry	0.410	05/19/22 21:17	B2E0566	CS2	1
Barium	25.7	1.43			mg/Kg dry	0.222	05/19/22 21:17	B2E0566	CS2	1
Beryllium	0.148	0.143			mg/Kg dry	0.0342	05/19/22 21:17	B2E0566	CS2	1
Cadmium	< 0.143	0.143			mg/Kg dry	0.0285	05/19/22 21:17	B2E0566	CS2	1
Chromium	44.1	1.43			mg/Kg dry	0.393	05/19/22 21:17	B2E0566	CS2	1
Cobalt	< 1.43	1.43			mg/Kg dry	0.222	05/19/22 21:17	B2E0566	CS2	1
Copper	4.34	1.43			mg/Kg dry	0.336	05/19/22 21:17	B2E0566	CS2	1
Iron	7560	713			mg/Kg dry	342	05/19/22 20:13	B2E0566	CS2	100
Lead	154	1.43			mg/Kg dry	0.342	05/19/22 21:17	B2E0566	CS2	1
Manganese	222	1.43			mg/Kg dry	0.239	05/19/22 21:17	B2E0566	CS2	1
Nickel	3.19	1.43			mg/Kg dry	0.251	05/19/22 21:17	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.410	05/19/22 21:17	B2E0566	CS2	1
Silver	< 1.43	1.43			mg/Kg dry	0.285	05/19/22 21:17	B2E0566	CS2	1
Thallium	< 1.43	1.43			mg/Kg dry	0.547	05/19/22 21:17	B2E0566	CS2	1
Vanadium	4.34	1.43			mg/Kg dry	0.194	05/19/22 21:17	B2E0566	CS2	1
Zinc	28.9	5.70			mg/Kg dry	1.23	05/19/22 21:17	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:44	B2E0641	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/19/22 18:44	B2E0641	KJ1	5
Barium, TCLP	0.140	0.0250			mg/L	0.00200	05/19/22 18:44	B2E0641	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:44	B2E0641	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:44	B2E0641	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:44	B2E0641	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:44	B2E0641	KJ1	5
Copper, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:44	B2E0641	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/19/22 18:44	B2E0641	KJ1	5
Manganese, TCLP	1.11	0.0250			mg/L	0.00250	05/19/22 18:44	B2E0641	KJ1	5
Nickel, TCLP	0.207	0.0250			mg/L	0.00250	05/19/22 18:44	B2E0641	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:44	B2E0641	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/19/22 18:44	B2E0641	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/19/22 18:44	B2E0641	KJ1	5
Vanadium, TCLP	0.0250	0.0250			mg/L	0.00150	05/19/22 18:44	B2E0641	KJ1	5
Zinc, TCLP	0.184	0.0250			mg/L	0.0100	05/19/22 18:44	B2E0641	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-102
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-03 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/24/22 14:13	B2E0772	TB2	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.034	05/19/22 14:22	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	86.6	0.100		% (Percent)	0.0240	05/18/22 06:17	B2E0562	MKP	1
Method: SW9045C									
pH	8.22			pH Units		05/19/22 13:24	B2E0632	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 87.4	87.4		ug/Kg dry	16.6	05/26/22 22:30	B2E0830	kp2	10
4,4'-DDE	< 43.7	43.7		ug/Kg dry	2.58	05/26/22 22:47	B2E0830	kp2	10
4,4'-DDT	< 87.4	87.4		ug/Kg dry	21.5	05/26/22 22:30	B2E0830	kp2	10
Aldrin	< 43.7	43.7		ug/Kg dry	6.48	05/26/22 22:47	B2E0830	kp2	10
alpha-BHC	< 3.52	3.52		ug/Kg dry	3.52	05/26/22 22:47	B2E0830	kp2	10
alpha-Chlordane	< 43.7	43.7		ug/Kg dry	7.72	05/26/22 22:30	B2E0830	kp2	10
beta-BHC	< 87.4	87.4		ug/Kg dry	12.2	05/26/22 22:30	B2E0830	kp2	10
delta BHC	21.8	21.8		ug/Kg dry	4.95	05/26/22 22:47	B2E0830	kp2	10
Dieldrin	< 6.79	6.79		ug/Kg dry	6.79	05/26/22 22:30	B2E0830	kp2	10
Endosulfan I	< 43.7	43.7		ug/Kg dry	10.4	05/26/22 22:30	B2E0830	kp2	10
Endosulfan II	< 43.7	43.7		ug/Kg dry	9.92	05/26/22 22:30	B2E0830	kp2	10
Endosulfan sulfate	< 87.4	87.4		ug/Kg dry	11.5	05/26/22 22:30	B2E0830	kp2	10
Endrin	< 43.7	43.7		ug/Kg dry	7.87	05/26/22 22:30	B2E0830	kp2	10
Endrin aldehyde	< 87.4	87.4		ug/Kg dry	12.7	05/26/22 22:30	B2E0830	kp2	10
Endrin ketone	< 87.4	87.4		ug/Kg dry	13.5	05/26/22 22:30	B2E0830	kp2	10
gamma-BHC	< 9.00	9.00		ug/Kg dry	3.17	05/26/22 22:30	B2E0830	kp2	10
gamma-Chlordane	< 87.4	87.4		ug/Kg dry	18.7	05/26/22 22:30	B2E0830	kp2	10
Heptachlor	< 87.4	87.4		ug/Kg dry	12.4	05/26/22 22:30	B2E0830	kp2	10
Heptachlor epoxide	< 87.4	87.4		ug/Kg dry	12.0	05/26/22 22:30	B2E0830	kp2	10
Methoxychlor	< 87.4	87.4		ug/Kg dry	21.0	05/26/22 22:30	B2E0830	kp2	10
Surrogate: Decachlorobiphenyl				Recovery: 77%	Limits: 23-110	05/26/22 22:30	B2E0830	kp2	10
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 86%	Limits: 32-109	05/26/22 22:47	B2E0830	kp2	10
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Surrogate: Decachlorobiphenyl				Recovery: 69%	Limits: 10-127	05/26/22 13:24	B2E0829	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 59%	Limits: 11-119	05/26/22 13:24	B2E0829	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-102
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-03 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Herbicides by High Pressure Liquid Chromatography (HPLC)								
Method: SW8321B / SW3546								
2,4,5-T	< 112	112	ug/Kg dry	20.8	05/26/22 13:24	B2E0820	CG1	1
2,4,5-TP (Silvex)	< 225	225	ug/Kg dry	30.9	05/26/22 13:24	B2E0820	CG1	1
2,4-D	< 225	225	ug/Kg dry	20.0	05/26/22 13:24	B2E0820	CG1	1
2,4 DB	112	112	ug/Kg dry	15.2	05/26/22 21:14	B2E0820	CG1	1
Dalapon	< 850	850	ug/Kg dry	689	05/26/22 21:14	B2E0820	CG1	1
Dicamba	< 225	225	ug/Kg dry	39.0	05/26/22 21:14	B2E0820	CG1	1
Dichlorprop	< 112	112	ug/Kg dry	18.2	05/26/22 13:24	B2E0820	CG1	1
Dinoseb	< 225	225	ug/Kg dry	48.1	05/26/22 13:24	B2E0820	CG1	1
MCPA	112	112	ug/Kg dry	16.5	05/26/22 13:24	B2E0820	CG1	1
MCPP	< 112	112	ug/Kg dry	20.6	05/26/22 13:24	B2E0820	CG1	1
Pentachlorophenol	< 225	225	ug/Kg dry	53.7	05/26/22 21:14	B2E0820	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 69%	Limits: 10-116	05/26/22 13:24	B2E0820	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	1.51	1.51	ug/Kg dry	0.305	05/19/22 18:04	B2E0691	K 1	1
1,1,1-Trichloroethane	< 1.51	1.51	ug/Kg dry	0.308	05/19/22 18:04	B2E0691	KS1	1
1,1,2,2-Tetrachloroethane	< 1.51	1.51	ug/Kg dry	0.268	05/19/22 18:04	B2E0691	KS1	1
1,1,2-Trichloroethane	< 1.51	1.51	ug/Kg dry	0.330	05/19/22 18:04	B2E0691	KS1	1
1,1-Dichloroethane	< 3.01	3.01	ug/Kg dry	0.409	05/19/22 18:04	B2E0691	KS1	1
1,1-Dichloroethene	< 1.51	1.51	ug/Kg dry	0.326	05/19/22 18:04	B2E0691	KS1	1
1,1-Dichloropropene	< 15.1	15.1	ug/Kg dry	2.14	05/19/22 18:04	B2E0691	KS1	1
1,2,3-Trichlorobenzene	< 30.1	30.1	ug/Kg dry	4.88	05/19/22 18:04	B2E0691	KS1	1
1,2,3-Trichloropropane	< 15.1	15.1	ug/Kg dry	2.88	05/19/22 18:04	B2E0691	KS1	1
1,2,4-Trichlorobenzene	< 30.1	30.1	ug/Kg dry	4.79	05/19/22 18:04	B2E0691	KS1	1
1,2,4-Trimethylbenzene	< 6.02	6.02	ug/Kg dry	0.811	05/19/22 18:04	B2E0691	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.25	05/19/22 18:04	B2E0691	KS1	1
1,2-Dibromoethane	< 1.51	1.51	ug/Kg dry	0.205	05/19/22 18:04	B2E0691	KS1	1
1,2-Dichloroethane	< 1.51	1.51	ug/Kg dry	0.309	05/19/22 18:04	B2E0691	KS1	1
1,2-Dichloropropane	< 1.51	1.51	ug/Kg dry	0.364	05/19/22 18:04	B2E0691	KS1	1
1,3,5-Trimethylbenzene	< 3.01	3.01	ug/Kg dry	0.752	05/19/22 18:04	B2E0691	KS1	1
1,3-Dichloropropane	< 1.51	1.51	ug/Kg dry	0.337	05/19/22 18:04	B2E0691	KS1	1
2,2-Dichloropropane	< 1.51	1.51	ug/Kg dry	0.249	05/19/22 18:04	B2E0691	KS1	1
2-Butanone	< 21.1	21.1	ug/Kg dry	5.13	05/19/22 18:04	B2E0691	KS1	1
2-Chlorotoluene	< 3.01	3.01	ug/Kg dry	0.660	05/19/22 18:04	B2E0691	KS1	1
2-Hexanone	< 21.1	21.1	ug/Kg dry	3.99	05/19/22 18:04	B2E0691	KS1	1
4-Chlorotoluene	< 3.01	3.01	ug/Kg dry	0.660	05/19/22 18:04	B2E0691	KS1	1
4-Isopropyltoluene	< 6.02	6.02	ug/Kg dry	0.882	05/19/22 18:04	B2E0691	KS1	1
4-Methyl-2-pentanone	< 21.1	21.1	ug/Kg dry	3.07	05/19/22 18:04	B2E0691	KS1	1
Acetone	< 52.7	52.7	ug/Kg dry	9.11	05/19/22 18:04	B2E0691	KS1	1
Benzene	< 1.51	1.51	ug/Kg dry	0.217	05/19/22 18:04	B2E0691	KS1	1
Bromobenzene	< 3.01	3.01	ug/Kg dry	0.423	05/19/22 18:04	B2E0691	KS1	1
Bromochloromethane	< 3.01	3.01	ug/Kg dry	0.528	05/19/22 18:04	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-102
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-03 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual						
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5035 (Continued)									
Bromodichloromethane	< 1.51	1.51	ug/Kg	dry	0.363	05/19/22 18:04	B2E0691	KS1	1
Bromoform	< 3.01	3.01	ug/Kg	dry	0.474	05/19/22 18:04	B2E0691	KS1	1
Bromomethane	< 15.1	15.1	ug/Kg	dry	1.81	05/19/22 18:04	B2E0691	KS1	1
Carbon disulfide	< 3.01	3.01	ug/Kg	dry	0.453	05/19/22 18:04	B2E0691	KS1	1
Carbon tetrachloride	< 15.1	15.1	ug/Kg	dry	2.10	05/19/22 18:04	B2E0691	KS1	1
Chlorobenzene	< 3.01	3.01	ug/Kg	dry	0.391	05/19/22 18:04	B2E0691	KS1	1
Chloroethane	< 6.02	6.02	ug/Kg	dry	1.06	05/19/22 18:04	B2E0691	KS1	1
Chloroform	< 3.01	3.01	ug/Kg	dry	0.550	05/19/22 18:04	B2E0691	KS1	1
Chloromethane	< 6.02	6.02	ug/Kg	dry	1.10	05/19/22 18:04	B2E0691	KS1	1
cis-1,2-Dichloroethene	< 3.01	3.01	ug/Kg	dry	0.429	05/19/22 18:04	B2E0691	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/Kg	dry	0.521	05/19/22 18:04	B2E0691	KS1	1
Dibromochloromethane	< 1.51	1.51	ug/Kg	dry	0.358	05/19/22 18:04	B2E0691	KS1	1
Dibromomethane	< 1.51	1.51	ug/Kg	dry	0.275	05/19/22 18:04	B2E0691	KS1	1
Dichlorodifluoromethane	< 7.53	7.53	ug/Kg	dry	0.911	05/19/22 18:04	B2E0691	KS1	1
Ethylbenzene	< 6.02	6.02	ug/Kg	dry	0.779	05/19/22 18:04	B2E0691	KS1	1
Isopropylbenzene	< 3.01	3.01	ug/Kg	dry	0.748	05/19/22 18:04	B2E0691	KS1	1
m,p-Xylene	< 6.02	6.02	ug/Kg	dry	1.22	05/19/22 18:04	B2E0691	KS1	1
Methyl tert-butyl ether	< 1.51	1.51	ug/Kg	dry	0.252	05/19/22 18:04	B2E0691	KS1	1
Methylene chloride	< 15.1	15.1	ug/Kg	dry	2.96	05/19/22 18:04	B2E0691	KS1	1
n-Butylbenzene	< 15.1	15.1	ug/Kg	dry	2.15	05/19/22 18:04	B2E0691	KS1	1
n-Propylbenzene	< 3.01	3.01	ug/Kg	dry	0.720	05/19/22 18:04	B2E0691	KS1	1
o-Xylene	< 6.02	6.02	ug/Kg	dry	0.769	05/19/22 18:04	B2E0691	KS1	1
sec-Butylbenzene	< 3.01	3.01	ug/Kg	dry	0.739	05/19/22 18:04	B2E0691	KS1	1
Styrene	< 6.02	6.02	ug/Kg	dry	0.826	05/19/22 18:04	B2E0691	KS1	1
tert-Butylbenzene	< 3.01	3.01	ug/Kg	dry	0.286	05/19/22 18:04	B2E0691	KS1	1
Tetrachloroethene	< 3.01	3.01	ug/Kg	dry	0.440	05/19/22 18:04	B2E0691	KS1	1
Toluene	< 1.51	1.51	ug/Kg	dry	0.272	05/19/22 18:04	B2E0691	KS1	1
trans-1,2-Dichloroethene	< 3.01	3.01	ug/Kg	dry	0.697	05/19/22 18:04	B2E0691	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00	ug/Kg	dry	0.616	05/19/22 18:04	B2E0691	KS1	1
Trichloroethene	< 1.51	1.51	ug/Kg	dry	0.365	05/19/22 18:04	B2E0691	KS1	1
Trichlorofluoromethane	< 1.51	1.51	ug/Kg	dry	0.312	05/19/22 18:04	B2E0691	KS1	1
Vinyl acetate	< 3.01	3.01	ug/Kg	dry	0.384	05/19/22 18:04	B2E0691	KS1	1
Vinyl chloride	< 3.01	3.01	ug/Kg	dry	0.538	05/19/22 18:04	B2E0691	KS1	1
Xylenes, Total	< 9.03	9.03	ug/Kg	dry	1.93	05/19/22 18:04	B2E0691	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg	dry	0.474	05/19/22 18:04	B2E0691	KS1	1
Surrogate: Dibromofluoromethane				Recovery: 108%	Limits: 80-141	05/19/22 18:04	B2E0691	KS1	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 109%	Limits: 79-150	05/19/22 18:04	B2E0691	KS1	1
Surrogate: Fluorobenzene				Recovery: 97%	Limits: 88-111	05/19/22 18:04	B2E0691	KS1	1
Surrogate: Toluene d8				Recovery 96%	Limits 78 121	05/19/22 18:04	B2E0691	KS1	1
Surrogate: 4-Bromofluorobenzene				Recovery: 102%	Limits: 82-137	05/19/22 18:04	B2E0691	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 101%	Limits: 81-135	05/19/22 18:04	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-102
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-03 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 172	172	ug/Kg dry	32.5	05/19/22 19:29	B2E0535	LP	5
1,2-Dichlorobenzene	< 172	172	ug/Kg dry	29.9	05/19/22 19:29	B2E0535	LP	5
1,3-Dichlorobenzene	< 172	172	ug/Kg dry	28.5	05/19/22 19:29	B2E0535	LP	5
1,4-Dichlorobenzene	< 172	172	ug/Kg dry	27.3	05/19/22 19:29	B2E0535	LP	5
1-Methylnaphthalene	< 172	172	ug/Kg dry	32.3	05/19/22 19:29	B2E0535	LP	5
2,4,5-Trichlorophenol	< 115	115	ug/Kg dry	20.4	05/19/22 19:29	B2E0535	LP	5
2,4,6-Trichlorophenol	< 115	115	ug/Kg dry	38.0	05/19/22 19:29	B2E0535	LP	5
2,4-Dichlorophenol	< 115	115	ug/Kg dry	18.4	05/19/22 19:29	B2E0535	LP	5
2,4 Dimethylphenol	345	345	ug/Kg dry	23.7	05/19/22 19:29	B2E0535	LP	5
2,4-Dinitrophenol	< 2870	2870	ug/Kg dry	391	05/19/22 19:29	B2E0535	LP	5
2,4-Dinitrotoluene	< 172	172	ug/Kg dry	37.9	05/19/22 19:29	B2E0535	LP	5
2,6-Dinitrotoluene	< 115	115	ug/Kg dry	20.5	05/19/22 19:29	B2E0535	LP	5
2-Chloronaphthalene	< 115	115	ug/Kg dry	24.4	05/19/22 19:29	B2E0535	LP	5
2 Chlorophenol	115	115	ug/Kg dry	25.7	05/19/22 19:29	B2E0535	LP	5
2-Methylnaphthalene	< 172	172	ug/Kg dry	28.0	05/19/22 19:29	B2E0535	LP	5
2-Methylphenol	< 57.5	57.5	ug/Kg dry	13.2	05/19/22 19:29	B2E0535	LP	5
2-Nitroaniline	< 172	172	ug/Kg dry	35.0	05/19/22 19:29	B2E0535	LP	5
2-Nitrophenol	< 172	172	ug/Kg dry	48.2	05/19/22 19:29	B2E0535	LP	5
3,3'-Dichlorobenzidine	< 690	690	ug/Kg dry	110	05/19/22 19:29	B2E0535	LP	5
3 & 4-Me hylphenol	< 230	230	ug/Kg dry	44.8	05/19/22 19:29	B2E0535	LP	5
3-Nitroaniline	< 172	172	ug/Kg dry	61.2	05/19/22 19:29	B2E0535	LP	5
4,6-Dinitro-2-methylphenol	< 4600	4600	ug/Kg dry	678	05/19/22 19:29	B2E0535	LP	5
4-Bromophenyl-phenylether	< 172	172	ug/Kg dry	30.4	05/19/22 19:29	B2E0535	LP	5
4-Chloro-3-methylphenol	< 115	115	ug/Kg dry	15.8	05/19/22 19:29	B2E0535	LP	5
4-Chloroaniline	< 172	172	ug/Kg dry	27.6	05/19/22 19:29	B2E0535	LP	5
4-Chlorophenyl-phenylether	< 172	172	ug/Kg dry	29.1	05/19/22 19:29	B2E0535	LP	5
4-Nitroaniline	< 230	230	ug/Kg dry	22.8	05/19/22 19:29	B2E0535	LP	5
4-Nitrophenol	< 4600	4600	ug/Kg dry	763	05/19/22 19:29	B2E0535	LP	5
Acenaphthene	< 115	115	ug/Kg dry	23.1	05/19/22 19:29	B2E0535	LP	5
Acenaphthylene	410	115	ug/Kg dry	25.9	05/19/22 19:29	B2E0535	LP	5
Anthracene	1140	172	ug/Kg dry	33.2	05/19/22 19:29	B2E0535	LP	5
Azobenzene as	< 115	115	ug/Kg dry	16.4	05/19/22 19:29	B2E0535	LP	5
1,2-Diphenylhydrazine								
Benzidine	< 975	975	ug/Kg dry	975	05/19/22 19:29	B2E0535	LP	5
Benzo(a)anthracene	3640	172	ug/Kg dry	28.8	05/19/22 19:29	B2E0535	LP	5
Benzo(a)pyrene	3270	90.0	ug/Kg dry	35.2	05/19/22 19:29	B2E0535	LP	5
Benzo(b)fluoranthene	4270	172	ug/Kg dry	46.1	05/19/22 19:29	B2E0535	LP	5
Benzo(g,h,i)perylene	1870	230	ug/Kg dry	25.5	05/19/22 19:29	B2E0535	LP	5
Benzo(k)fluoranthene	1330	230	ug/Kg dry	28.1	05/19/22 19:29	B2E0535	LP	5
Benzoic acid	< 9200	9200	ug/Kg dry	571	05/19/22 19:29	B2E0535	LP	5
Benzyl alcohol	< 172	172	ug/Kg dry	29.5	05/19/22 19:29	B2E0535	LP	5
Bis(2-chloroethoxy)methane	< 115	115	ug/Kg dry	25.2	05/19/22 19:29	B2E0535	LP	5
Bis(2-chloroethyl)ether	< 660	660	ug/Kg dry	305	05/19/22 19:29	B2E0535	LP	5
Bis(2-chloroisopropyl)ether	< 2400	2400	ug/Kg dry	388	05/19/22 19:29	B2E0535	LP	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-102
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-03 (Continued)

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Semivolatile Organic Compounds by GC/MS (Continued)										
Method: SW8270D / SW3550 (Continued)										
Bis(2-ethylhexyl)phthalate	< 1150	1150			ug/Kg dry	195	05/19/22 19:29	B2E0535	LP	5
Butyl benzyl phthalate	< 345	345			ug/Kg dry	47.6	05/19/22 19:29	B2E0535	LP	5
Carbazole	178	115			ug/Kg dry	19.4	05/19/22 19:29	B2E0535	LP	5
Chrysene	3700	115			ug/Kg dry	18.3	05/19/22 19:29	B2E0535	LP	5
Dibenzo(a,h)anthracene	623	172			ug/Kg dry	69.8	05/19/22 19:29	B2E0535	LP	5
Dibenzofuran	< 172	172			ug/Kg dry	25.6	05/19/22 19:29	B2E0535	LP	5
Diethyl phthalate	< 1150	1150			ug/Kg dry	198	05/19/22 19:29	B2E0535	LP	5
Dimethyl phthalate	< 115	115			ug/Kg dry	23.1	05/19/22 19:29	B2E0535	LP	5
Di-n-butyl phthalate	< 345	345			ug/Kg dry	63.9	05/19/22 19:29	B2E0535	LP	5
Di-n-octyl phthalate	172	172			ug/Kg dry	42.1	05/19/22 19:29	B2E0535	LP	5
Fluoranthene	5640	172			ug/Kg dry	37.3	05/19/22 19:29	B2E0535	LP	5
Fluorene	121	115			ug/Kg dry	22.6	05/19/22 19:29	B2E0535	LP	5
Hexachlorobenzene	< 115	115			ug/Kg dry	22.1	05/19/22 19:29	B2E0535	LP	5
Hexachlorobutadiene	230	230			ug/Kg dry	35.4	05/19/22 19:29	B2E0535	LP	5
Hexachlorocyclopentadiene	< 1100	1100			ug/Kg dry	432	05/19/22 19:29	B2E0535	LP	5
Hexachloroethane	< 230	230			ug/Kg dry	31.5	05/19/22 19:29	B2E0535	LP	5
Indeno(1,2,3-cd)pyrene	2260	172			ug/Kg dry	45.5	05/19/22 19:29	B2E0535	LP	5
Isophorone	< 172	172			ug/Kg dry	22.0	05/19/22 19:29	B2E0535	LP	5
Naphthalene	< 172	172			ug/Kg dry	33.0	05/19/22 19:29	B2E0535	LP	5
Nitrobenzene	< 230	230			ug/Kg dry	29.8	05/19/22 19:29	B2E0535	LP	5
N-Nitrosodimethylamine	230	230			ug/Kg dry	43.5	05/19/22 19:29	B2E0535	LP	5
N-Nitrosodi-n-propylamine	< 53.9	53.9			ug/Kg dry	53.9	05/19/22 19:29	B2E0535	LP	5
N-Nitrosodiphenylamine	< 172	172			ug/Kg dry	39.8	05/19/22 19:29	B2E0535	LP	5
Pentachlorophenol	< 309	309			ug/Kg dry	309	05/19/22 19:29	B2E0535	LP	5
Phenanthrene	1750	172			ug/Kg dry	29.8	05/19/22 19:29	B2E0535	LP	5
Phenol	< 230	230			ug/Kg dry	31.7	05/19/22 19:29	B2E0535	LP	5
Pyrene	5580	172			ug/Kg dry	31.7	05/19/22 19:29	B2E0535	LP	5
Surrogate: 2-Fluorophenol					Recovery: 58%	Limits: 10-101	05/19/22 19:29	B2E0535	LP	5
Surrogate: Phenol-d5					Recovery: 65%	Limits: 10-110	05/19/22 19:29	B2E0535	LP	5
Surrogate: Nitrobenzene-d5					Recovery: 68%	Limits: 16-114	05/19/22 19:29	B2E0535	LP	5
Surrogate: 2-Fluorobiphenyl					Recovery: 80%	Limits: 15-117	05/19/22 19:29	B2E0535	LP	5
Surrogate: 2,4,6-Tribromophenol					Recovery: 82%	Limits: 10-118	05/19/22 19:29	B2E0535	LP	5
Surrogate: 4-Terphenyl-d14					Recovery: 95%	Limits: 12-144	05/19/22 19:29	B2E0535	LP	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-103
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-04

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.18	1.18			mg/Kg dry	0.472	05/19/22 21:21	B2E0566	CS2	1
Arsenic	< 1.18	1.18			mg/Kg dry	0.340	05/19/22 21:21	B2E0566	CS2	1
Barium	27.0	1.18			mg/Kg dry	0.184	05/19/22 21:21	B2E0566	CS2	1
Beryllium	0 123	0.118			mg/Kg dry	0 0283	05/19/22 21:21	B2E0566	CS2	1
Cadmium	< 0.118	0.118			mg/Kg dry	0.0236	05/19/22 21:21	B2E0566	CS2	1
Chromium	4 78	1 18			mg/Kg dry	0 326	05/19/22 21:21	B2E0566	CS2	1
Cobalt	1.19	1.18			mg/Kg dry	0.184	05/19/22 21:21	B2E0566	CS2	1
Copper	3.87	1.18			mg/Kg dry	0.279	05/19/22 21:21	B2E0566	CS2	1
Iron	10400	591			mg/Kg dry	283	05/19/22 20:17	B2E0566	CS2	100
Lead	21.3	1.18			mg/Kg dry	0.283	05/19/22 21:21	B2E0566	CS2	1
Manganese	166	1.18			mg/Kg dry	0.198	05/19/22 21:21	B2E0566	CS2	1
Nickel	3.67	1.18			mg/Kg dry	0.208	05/19/22 21:21	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.340	05/19/22 21:21	B2E0566	CS2	1
Silver	< 1.18	1.18			mg/Kg dry	0.236	05/19/22 21:21	B2E0566	CS2	1
Thallium	< 1.18	1.18			mg/Kg dry	0.454	05/19/22 21:21	B2E0566	CS2	1
Vanadium	4.24	1.18			mg/Kg dry	0.161	05/19/22 21:21	B2E0566	CS2	1
Zinc	37.3	4.72			mg/Kg dry	1.02	05/19/22 21:21	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:46	B2E0641	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/19/22 18:46	B2E0641	KJ1	5
Barium, TCLP	0.103	0.0250			mg/L	0.00200	05/19/22 18:46	B2E0641	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:46	B2E0641	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:46	B2E0641	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:46	B2E0641	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:46	B2E0641	KJ1	5
Copper, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:46	B2E0641	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/19/22 18:46	B2E0641	KJ1	5
Manganese, TCLP	0.758	0.0250			mg/L	0.00250	05/19/22 18:46	B2E0641	KJ1	5
Nickel, TCLP	0.0298	0.0250			mg/L	0.00250	05/19/22 18:46	B2E0641	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:46	B2E0641	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/19/22 18:46	B2E0641	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/19/22 18:46	B2E0641	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/19/22 18:46	B2E0641	KJ1	5
Zinc, TCLP	0.0977	0.0250			mg/L	0.0100	05/19/22 18:46	B2E0641	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-103
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-04 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/24/22 14:15	B2E0772	TB2	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.032	05/19/22 14:24	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	93.6	0.100		% (Percent)	0.0240	05/18/22 06:19	B2E0562	MKP	1
Method: SW9045C									
pH	8.57			pH Units		05/19/22 13:24	B2E0632	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.14	8.14		ug/Kg dry	1.55	05/26/22 23:04	B2E0830	kp2	1
4,4'-DDE	< 4.07	4.07		ug/Kg dry	0.240	05/26/22 23:04	B2E0830	kp2	1
4,4'-DDT	< 8.14	8.14		ug/Kg dry	2.00	05/26/22 22:47	B2E0830	kp2	1
Aldrin	< 4.07	4.07		ug/Kg dry	0.604	05/26/22 23:04	B2E0830	kp2	1
alpha-BHC	< 0.500	0.500		ug/Kg dry	0.328	05/26/22 22:47	B2E0830	kp2	1
alpha-Chlordane	< 4.07	4.07		ug/Kg dry	0.719	05/26/22 22:47	B2E0830	kp2	1
beta-BHC	< 8.14	8.14		ug/Kg dry	1.14	05/26/22 23:04	B2E0830	kp2	1
delta BHC	2.03	2.03		ug/Kg dry	0.461	05/26/22 23:04	B2E0830	kp2	1
Dieldrin	< 4.00	4.00		ug/Kg dry	0.632	05/26/22 22:47	B2E0830	kp2	1
Endosulfan I	< 4.07	4.07		ug/Kg dry	0.972	05/26/22 22:47	B2E0830	kp2	1
Endosulfan II	< 4.07	4.07		ug/Kg dry	0.924	05/26/22 23:04	B2E0830	kp2	1
Endosulfan sulfate	< 8.14	8.14		ug/Kg dry	1.07	05/26/22 23:04	B2E0830	kp2	1
Endrin	< 4.07	4.07		ug/Kg dry	0.733	05/26/22 22:47	B2E0830	kp2	1
Endrin aldehyde	< 8.14	8.14		ug/Kg dry	1.19	05/26/22 22:47	B2E0830	kp2	1
Endrin ketone	< 8.14	8.14		ug/Kg dry	1.26	05/26/22 22:47	B2E0830	kp2	1
gamma-BHC	< 4.07	4.07		ug/Kg dry	0.296	05/26/22 23:04	B2E0830	kp2	1
gamma-Chlordane	< 8.14	8.14		ug/Kg dry	1.74	05/26/22 22:47	B2E0830	kp2	1
Heptachlor	< 8.14	8.14		ug/Kg dry	1.15	05/26/22 22:47	B2E0830	kp2	1
Heptachlor epoxide	< 8.14	8.14		ug/Kg dry	1.12	05/26/22 22:47	B2E0830	kp2	1
Methoxychlor	< 8.14	8.14		ug/Kg dry	1.96	05/26/22 22:47	B2E0830	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 69%	Limits: 23-110	05/26/22 22:47	B2E0830	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 67%	Limits: 32-109	05/26/22 23:04	B2E0830	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.203	0.203		mg/Kg dry	0.0386	05/26/22 13:41	B2E0829	CS2	1
Aroclor 1221	< 0.305	0.305		mg/Kg dry	0.0824	05/26/22 13:41	B2E0829	CS2	1
Aroclor 1232	< 0.305	0.305		mg/Kg dry	0.0620	05/26/22 13:41	B2E0829	CS2	1
Aroclor 1242	< 0.305	0.305		mg/Kg dry	0.0671	05/26/22 13:41	B2E0829	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-103
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-04 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.305	0.305	mg/Kg dry	0.0620	05/26/22 13:41	B2E0829	CS2	1
Aroclor 1254	< 0.203	0.203	mg/Kg dry	0.0336	05/26/22 13:41	B2E0829	CS2	1
Aroclor 1260	< 0.203	0.203	mg/Kg dry	0.0437	05/26/22 13:41	B2E0829	CS2	1
Total PCB	< 0.305	0.305	mg/Kg dry	0.0824	05/26/22 13:41	B2E0829	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 62%	Limits: 10-127	05/26/22 13:41	B2E0829	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 55%	Limits: 11-119	05/26/22 13:41	B2E0829	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 103	103	ug/Kg dry	19.0	05/26/22 14:01	B2E0820	CG1	1
2,4,5-TP (Silvex)	< 205	205	J2 ug/Kg dry	28.3	05/26/22 14:01	B2E0820	CG1	1
2,4-D	< 205	205	J2 ug/Kg dry	18.3	05/26/22 14:01	B2E0820	CG1	1
2,4-DB	< 103	103	ug/Kg dry	13.9	05/26/22 22:10	B2E0820	CG1	1
Dalapon	< 850	850	ug/Kg dry	630	05/26/22 14:01	B2E0820	CG1	1
Dicamba	< 205	205	ug/Kg dry	35.6	05/26/22 22:10	B2E0820	CG1	1
Dichlorprop	< 103	103	J2 ug/Kg dry	16.7	05/26/22 14:01	B2E0820	CG1	1
Dinoseb	< 205	205	J2 ug/Kg dry	43.9	05/26/22 14:01	B2E0820	CG1	1
MCPA	< 103	103	ug/Kg dry	15.1	05/26/22 14:01	B2E0820	CG1	1
MCPP	< 103	103	ug/Kg dry	18.8	05/26/22 14:01	B2E0820	CG1	1
Pentachlorophenol	< 205	205	ug/Kg dry	49.0	05/26/22 22:10	B2E0820	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 76%	Limits: 10-116	05/26/22 14:01	B2E0820	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.43	1.43	ug/Kg dry	0.290	05/19/22 18:29	B2E0691	KS1	1
1,1,1-Trichloroethane	< 1.43	1.43	ug/Kg dry	0.293	05/19/22 18:29	B2E0691	KS1	1
1,1,2,2-Tetrachloroethane	< 1.43	1.43	ug/Kg dry	0.255	05/19/22 18:29	B2E0691	KS1	1
1,1,2 Trichloroethane	1.43	1.43	ug/Kg dry	0.314	05/19/22 18:29	B2E0691	K 1	1
1,1-Dichloroethane	< 2.87	2.87	ug/Kg dry	0.389	05/19/22 18:29	B2E0691	KS1	1
1,1-Dichloroethene	< 1.43	1.43	ug/Kg dry	0.311	05/19/22 18:29	B2E0691	KS1	1
1,1-Dichloropropene	< 14.3	14.3	ug/Kg dry	2.04	05/19/22 18:29	B2E0691	KS1	1
1,2,3-Trichlorobenzene	< 28.7	28.7	ug/Kg dry	4.65	05/19/22 18:29	B2E0691	KS1	1
1,2,3-Trichloropropane	< 14.3	14.3	ug/Kg dry	2.75	05/19/22 18:29	B2E0691	KS1	1
1,2,4-Trichlorobenzene	< 28.7	28.7	ug/Kg dry	4.56	05/19/22 18:29	B2E0691	KS1	1
1,2,4-Trimethylbenzene	< 5.73	5.73	ug/Kg dry	0.772	05/19/22 18:29	B2E0691	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.19	05/19/22 18:29	B2E0691	KS1	1
1,2-Dibromoethane	< 1.43	1.43	ug/Kg dry	0.195	05/19/22 18:29	B2E0691	KS1	1
1,2-Dichloroethane	< 1.43	1.43	ug/Kg dry	0.295	05/19/22 18:29	B2E0691	KS1	1
1,2-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.346	05/19/22 18:29	B2E0691	KS1	1
1,3,5-Trimethylbenzene	< 2.87	2.87	ug/Kg dry	0.716	05/19/22 18:29	B2E0691	KS1	1
1,3-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.321	05/19/22 18:29	B2E0691	KS1	1
2,2-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.237	05/19/22 18:29	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-103
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-04 (Continued)

Analyses	EMT Reporting				MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual	Units					
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5035 (Continued)									
2-Butanone	< 20.1	20.1		ug/Kg dry	4.88	05/19/22 18:29	B2E0691	KS1	1
2-Chlorotoluene	< 2.87	2.87		ug/Kg dry	0.628	05/19/22 18:29	B2E0691	KS1	1
2-Hexanone	< 20.1	20.1		ug/Kg dry	3.80	05/19/22 18:29	B2E0691	KS1	1
4-Chlorotoluene	< 2.87	2.87		ug/Kg dry	0.628	05/19/22 18:29	B2E0691	KS1	1
4-Isopropyltoluene	< 5.73	5.73		ug/Kg dry	0.840	05/19/22 18:29	B2E0691	KS1	1
4-Methyl-2-pentanone	< 20.1	20.1		ug/Kg dry	2.92	05/19/22 18:29	B2E0691	KS1	1
Acetone	< 50.2	50.2		ug/Kg dry	8.67	05/19/22 18:29	B2E0691	KS1	1
Benzene	< 1.43	1.43		ug/Kg dry	0.207	05/19/22 18:29	B2E0691	KS1	1
Bromobenzene	< 2.87	2.87		ug/Kg dry	0.403	05/19/22 18:29	B2E0691	KS1	1
Bromochloromethane	< 2.87	2.87		ug/Kg dry	0.503	05/19/22 18:29	B2E0691	KS1	1
Bromodichloromethane	< 1.43	1.43		ug/Kg dry	0.345	05/19/22 18:29	B2E0691	KS1	1
Bromoform	< 2.87	2.87		ug/Kg dry	0.452	05/19/22 18:29	B2E0691	KS1	1
Bromomethane	< 14.3	14.3		ug/Kg dry	1.72	05/19/22 18:29	B2E0691	KS1	1
Carbon disulfide	< 2.87	2.87		ug/Kg dry	0.432	05/19/22 18:29	B2E0691	KS1	1
Carbon tetrachloride	< 14.3	14.3		ug/Kg dry	2.00	05/19/22 18:29	B2E0691	KS1	1
Chlorobenzene	< 2.87	2.87		ug/Kg dry	0.373	05/19/22 18:29	B2E0691	KS1	1
Chloroethane	< 5.73	5.73		ug/Kg dry	1.01	05/19/22 18:29	B2E0691	KS1	1
Chloroform	< 2.87	2.87		ug/Kg dry	0.524	05/19/22 18:29	B2E0691	KS1	1
Chloromethane	5.73	5.73		ug/Kg dry	1.05	05/19/22 18:29	B2E0691	K 1	1
cis-1,2-Dichloroethene	< 2.87	2.87		ug/Kg dry	0.409	05/19/22 18:29	B2E0691	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.496	05/19/22 18:29	B2E0691	KS1	1
Dibromochloromethane	< 1.43	1.43		ug/Kg dry	0.341	05/19/22 18:29	B2E0691	KS1	1
Dibromomethane	< 1.43	1.43		ug/Kg dry	0.262	05/19/22 18:29	B2E0691	KS1	1
Dichlorodifluoromethane	7.17	7.17		ug/Kg dry	0.867	05/19/22 18:29	B2E0691	K 1	1
Ethylbenzene	< 5.73	5.73		ug/Kg dry	0.742	05/19/22 18:29	B2E0691	KS1	1
Isopropylbenzene	< 2.87	2.87		ug/Kg dry	0.712	05/19/22 18:29	B2E0691	KS1	1
m,p-Xylene	< 5.73	5.73		ug/Kg dry	1.16	05/19/22 18:29	B2E0691	KS1	1
Methyl tert-butyl ether	< 1.43	1.43		ug/Kg dry	0.240	05/19/22 18:29	B2E0691	KS1	1
Methylene chloride	< 14.3	14.3		ug/Kg dry	2.82	05/19/22 18:29	B2E0691	KS1	1
n-Butylbenzene	< 14.3	14.3		ug/Kg dry	2.05	05/19/22 18:29	B2E0691	KS1	1
n-Propylbenzene	< 2.87	2.87		ug/Kg dry	0.686	05/19/22 18:29	B2E0691	KS1	1
o-Xylene	< 5.73	5.73		ug/Kg dry	0.732	05/19/22 18:29	B2E0691	KS1	1
sec-Butylbenzene	< 2.87	2.87		ug/Kg dry	0.704	05/19/22 18:29	B2E0691	KS1	1
Styrene	< 5.73	5.73		ug/Kg dry	0.786	05/19/22 18:29	B2E0691	KS1	1
tert-Butylbenzene	< 2.87	2.87		ug/Kg dry	0.272	05/19/22 18:29	B2E0691	KS1	1
Tetrachloroethene	< 2.87	2.87		ug/Kg dry	0.419	05/19/22 18:29	B2E0691	KS1	1
Toluene	< 1.43	1.43		ug/Kg dry	0.259	05/19/22 18:29	B2E0691	KS1	1
trans-1,2-Dichloroethene	< 2.87	2.87		ug/Kg dry	0.664	05/19/22 18:29	B2E0691	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.587	05/19/22 18:29	B2E0691	KS1	1
Trichloroethene	< 1.43	1.43		ug/Kg dry	0.348	05/19/22 18:29	B2E0691	KS1	1
Trichlorofluoromethane	< 1.43	1.43		ug/Kg dry	0.297	05/19/22 18:29	B2E0691	KS1	1
Vinyl acetate	< 2.87	2.87		ug/Kg dry	0.366	05/19/22 18:29	B2E0691	KS1	1
Vinyl chloride	< 2.87	2.87		ug/Kg dry	0.512	05/19/22 18:29	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-103
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-04 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 8.60	8.60	ug/Kg dry	1.84	05/19/22 18:29	B2E0691	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.452	05/19/22 18:29	B2E0691	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 108%	Limits: 80-141	05/19/22 18:29	B2E0691	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 117%	Limits: 79-150	05/19/22 18:29	B2E0691	KS1	1
Surrogate: Fluorobenzene			Recovery: 104%	Limits: 88-111	05/19/22 18:29	B2E0691	KS1	1
Surrogate: Toluene-d8			Recovery: 97%	Limits: 78-121	05/19/22 18:29	B2E0691	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 90%	Limits: 82-137	05/19/22 18:29	B2E0691	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 108%	Limits: 81-135	05/19/22 18:29	B2E0691	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 63.1	63.1	ug/Kg dry	11.9	05/19/22 19:55	B2E0535	LP	2
1,2-Dichlorobenzene	< 63.1	63.1	ug/Kg dry	11.0	05/19/22 19:55	B2E0535	LP	2
1,3-Dichlorobenzene	< 63.1	63.1	ug/Kg dry	10.4	05/19/22 19:55	B2E0535	LP	2
1,4-Dichlorobenzene	< 63.1	63.1	ug/Kg dry	9.99	05/19/22 19:55	B2E0535	LP	2
1-Methylnaphthalene	63.1	63.1	ug/Kg dry	11.8	05/19/22 19:55	B2E0535	LP	2
2,4,5-Trichlorophenol	< 42.1	42.1	ug/Kg dry	7.47	05/19/22 19:55	B2E0535	LP	2
2,4,6-Trichlorophenol	< 42.1	42.1	ug/Kg dry	13.9	05/19/22 19:55	B2E0535	LP	2
2,4-Dichlorophenol	< 42.1	42.1	ug/Kg dry	6.73	05/19/22 19:55	B2E0535	LP	2
2,4-Dimethylphenol	< 126	126	ug/Kg dry	8.67	05/19/22 19:55	B2E0535	LP	2
2,4-Dinitrophenol	< 1050	1050	ug/Kg dry	143	05/19/22 19:55	B2E0535	LP	2
2,4-Dinitrotoluene	< 63.1	63.1	ug/Kg dry	13.9	05/19/22 19:55	B2E0535	LP	2
2,6-Dinitrotoluene	< 42.1	42.1	ug/Kg dry	7.49	05/19/22 19:55	B2E0535	LP	2
2-Chloronaphthalene	< 42.1	42.1	ug/Kg dry	8.93	05/19/22 19:55	B2E0535	LP	2
2-Chlorophenol	< 42.1	42.1	ug/Kg dry	9.39	05/19/22 19:55	B2E0535	LP	2
2-Methylnaphthalene	< 63.1	63.1	ug/Kg dry	10.3	05/19/22 19:55	B2E0535	LP	2
2-Methylphenol	< 21.0	21.0	ug/Kg dry	4.83	05/19/22 19:55	B2E0535	LP	2
2-Nitroaniline	< 63.1	63.1	ug/Kg dry	12.8	05/19/22 19:55	B2E0535	LP	2
2-Nitrophenol	< 63.1	63.1	ug/Kg dry	17.6	05/19/22 19:55	B2E0535	LP	2
3,3'-Dichlorobenzidine	< 252	252	ug/Kg dry	40.1	05/19/22 19:55	B2E0535	LP	2
3 & 4-Methylphenol	< 84.1	84.1	ug/Kg dry	16.4	05/19/22 19:55	B2E0535	LP	2
3-Nitroaniline	< 63.1	63.1	ug/Kg dry	22.4	05/19/22 19:55	B2E0535	LP	2
4,6-Dinitro-2-methylphenol	< 1680	1680	ug/Kg dry	248	05/19/22 19:55	B2E0535	LP	2
4-Bromophenyl-phenylether	< 63.1	63.1	ug/Kg dry	11.1	05/19/22 19:55	B2E0535	LP	2
4-Chloro-3-methylphenol	< 42.1	42.1	ug/Kg dry	5.77	05/19/22 19:55	B2E0535	LP	2
4-Chloroaniline	< 63.1	63.1	ug/Kg dry	10.1	05/19/22 19:55	B2E0535	LP	2
4-Chlorophenyl-phenylether	< 63.1	63.1	ug/Kg dry	10.7	05/19/22 19:55	B2E0535	LP	2
4-Nitroaniline	< 84.1	84.1	ug/Kg dry	8.35	05/19/22 19:55	B2E0535	LP	2
4-Nitrophenol	< 1680	1680	ug/Kg dry	279	05/19/22 19:55	B2E0535	LP	2
Acenaphthene	< 42.1	42.1	ug/Kg dry	8.44	05/19/22 19:55	B2E0535	LP	2
Acenaphthylene	70.1	42.1	ug/Kg dry	9.49	05/19/22 19:55	B2E0535	LP	2
Anthracene	147	63.1	ug/Kg dry	12.1	05/19/22 19:55	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-103
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-04 (Continued)

Analyses	Result	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual	Units					
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Azobenzene as 1,2-Diphenylhydrazine	< 42.1	42.1		ug/Kg dry	6.01	05/19/22 19:55	B2E0535	LP	2
Benzidine	< 357	357		ug/Kg dry	357	05/19/22 19:55	B2E0535	LP	2
Benzo(a)anthracene	576	63.1		ug/Kg dry	10.6	05/19/22 19:55	B2E0535	LP	2
Benzo(a)pyrene	552	90.0		ug/Kg dry	12.9	05/19/22 19:55	B2E0535	LP	2
Benzo(b)fluoranthene	709	63.1		ug/Kg dry	16.9	05/19/22 19:55	B2E0535	LP	2
Benzo(g,h,i)perylene	392	84.1		ug/Kg dry	9.35	05/19/22 19:55	B2E0535	LP	2
Benzo(k)fluoranthene	228	84.1		ug/Kg dry	10.3	05/19/22 19:55	B2E0535	LP	2
Benzoic acid	< 3360	3360		ug/Kg dry	209	05/19/22 19:55	B2E0535	LP	2
Benzyl alcohol	< 63.1	63.1		ug/Kg dry	10.8	05/19/22 19:55	B2E0535	LP	2
Bis(2-chloroethoxy)methane	< 42.1	42.1		ug/Kg dry	9.21	05/19/22 19:55	B2E0535	LP	2
Bis(2-chloroethyl)ether	< 660	660		ug/Kg dry	111	05/19/22 19:55	B2E0535	LP	2
Bis(2-chloroisopropyl)ether	< 1680	1680		ug/Kg dry	142	05/19/22 19:55	B2E0535	LP	2
Bis(2-ethylhexyl)phthalate	< 421	421		ug/Kg dry	71.2	05/19/22 19:55	B2E0535	LP	2
Butyl benzyl phthalate	< 126	126		ug/Kg dry	17.4	05/19/22 19:55	B2E0535	LP	2
Carbazole	< 42.1	42.1		ug/Kg dry	7.09	05/19/22 19:55	B2E0535	LP	2
Chrysene	562	42.1		ug/Kg dry	6.70	05/19/22 19:55	B2E0535	LP	2
Dibenzo(a,h)anthracene	< 63.1	63.1		ug/Kg dry	25.6	05/19/22 19:55	B2E0535	LP	2
Dibenzofuran	< 63.1	63.1		ug/Kg dry	9.36	05/19/22 19:55	B2E0535	LP	2
Diethyl phthalate	< 421	421		ug/Kg dry	72.6	05/19/22 19:55	B2E0535	LP	2
Dimethyl phthalate	< 42.1	42.1		ug/Kg dry	8.44	05/19/22 19:55	B2E0535	LP	2
Di-n-butyl phthalate	< 126	126		ug/Kg dry	23.4	05/19/22 19:55	B2E0535	LP	2
Di-n-octyl phthalate	< 63.1	63.1		ug/Kg dry	15.4	05/19/22 19:55	B2E0535	LP	2
Fluoranthene	808	63.1		ug/Kg dry	13.6	05/19/22 19:55	B2E0535	LP	2
Fluorene	< 42.1	42.1		ug/Kg dry	8.28	05/19/22 19:55	B2E0535	LP	2
Hexachlorobenzene	< 42.1	42.1		ug/Kg dry	8.10	05/19/22 19:55	B2E0535	LP	2
Hexachlorobutadiene	< 84.1	84.1		ug/Kg dry	12.9	05/19/22 19:55	B2E0535	LP	2
Hexachlorocyclopentadiene	< 1100	1100		ug/Kg dry	158	05/19/22 19:55	B2E0535	LP	2
Hexachloroethane	< 84.1	84.1		ug/Kg dry	11.5	05/19/22 19:55	B2E0535	LP	2
Indeno(1,2,3-cd)pyrene	467	63.1		ug/Kg dry	16.7	05/19/22 19:55	B2E0535	LP	2
Isophorone	< 63.1	63.1		ug/Kg dry	8.04	05/19/22 19:55	B2E0535	LP	2
Naphthalene	< 63.1	63.1		ug/Kg dry	12.1	05/19/22 19:55	B2E0535	LP	2
Nitrobenzene	< 84.1	84.1		ug/Kg dry	10.9	05/19/22 19:55	B2E0535	LP	2
N-Nitrosodimethylamine	< 84.1	84.1		ug/Kg dry	15.9	05/19/22 19:55	B2E0535	LP	2
N-Nitrosodi-n-propylamine	< 19.7	19.7		ug/Kg dry	19.7	05/19/22 19:55	B2E0535	LP	2
N-Nitrosodiphenylamine	< 63.1	63.1		ug/Kg dry	14.6	05/19/22 19:55	B2E0535	LP	2
Pentachlorophenol	< 113	113		ug/Kg dry	113	05/19/22 19:55	B2E0535	LP	2
Phenanthrene	384	63.1		ug/Kg dry	10.9	05/19/22 19:55	B2E0535	LP	2
Phenol	< 84.1	84.1		ug/Kg dry	11.6	05/19/22 19:55	B2E0535	LP	2
Pyrene	897	63.1		ug/Kg dry	11.6	05/19/22 19:55	B2E0535	LP	2
Surrogate: 2-Fluorophenol				Recovery: 47%	Limits: 10-101	05/19/22 19:55	B2E0535	LP	2
Surrogate: Phenol-d5				Recovery: 56%	Limits: 10-110	05/19/22 19:55	B2E0535	LP	2
Surrogate: Nitrobenzene-d5				Recovery: 60%	Limits: 16-114	05/19/22 19:55	B2E0535	LP	2
Surrogate: 2-Fluorobiphenyl				Recovery: 76%	Limits: 15-117	05/19/22 19:55	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-103
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-04 (Continued)

Analyses	EMT Reporting				MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual	Units						
Semivolatile Organic Compounds by GC/MS (Continued)										
Method: SW8270D / SW3550 (Continued)										
Surrogate: 2,4,6-Tribromophenol				Recovery: 68%		Limits: 10-118	05/19/22 19:55	B2E0535	LP	2
Surrogate: 4-Terphenyl-d14				Recovery: 93%		Limits: 12-144	05/19/22 19:55	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-104
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-05

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.14	1.14			mg/Kg dry	0.456	05/19/22 21:34	B2E0566	CS2	1
Arsenic	< 1.14	1.14			mg/Kg dry	0.328	05/19/22 21:34	B2E0566	CS2	1
Barium	12.6	1.14			mg/Kg dry	0.178	05/19/22 21:34	B2E0566	CS2	1
Beryllium	< 0.114	0.114			mg/Kg dry	0.0273	05/19/22 21:34	B2E0566	CS2	1
Cadmium	0.171	0.114			mg/Kg dry	0.0228	05/19/22 21:34	B2E0566	CS2	1
Chromium	3.00	1.14			mg/Kg dry	0.314	05/19/22 21:34	B2E0566	CS2	1
Cobalt	< 1.14	1.14			mg/Kg dry	0.178	05/19/22 21:34	B2E0566	CS2	1
Copper	3.83	1.14			mg/Kg dry	0.269	05/19/22 21:34	B2E0566	CS2	1
Iron	3830	570			mg/Kg dry	273	05/19/22 20:21	B2E0566	CS2	100
Lead	5.00	1.14			mg/Kg dry	0.273	05/19/22 21:34	B2E0566	CS2	1
Manganese	182	1.14			mg/Kg dry	0.191	05/19/22 21:34	B2E0566	CS2	1
Nickel	1.95	1.14			mg/Kg dry	0.200	05/19/22 21:34	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.328	05/19/22 21:34	B2E0566	CS2	1
Silver	< 1.14	1.14			mg/Kg dry	0.228	05/19/22 21:34	B2E0566	CS2	1
Thallium	< 1.14	1.14			mg/Kg dry	0.437	05/19/22 21:34	B2E0566	CS2	1
Vanadium	2.44	1.14			mg/Kg dry	0.155	05/19/22 21:34	B2E0566	CS2	1
Zinc	19.1	4.56			mg/Kg dry	0.980	05/19/22 21:34	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:47	B2E0641	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/19/22 18:47	B2E0641	KJ1	5
Barium, TCLP	0.0818	0.0250			mg/L	0.00200	05/19/22 18:47	B2E0641	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:47	B2E0641	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:47	B2E0641	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:47	B2E0641	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:47	B2E0641	KJ1	5
Copper, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:47	B2E0641	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/19/22 18:47	B2E0641	KJ1	5
Manganese, TCLP	0.768	0.0250			mg/L	0.00250	05/19/22 18:47	B2E0641	KJ1	5
Nickel, TCLP	0.0748	0.0250			mg/L	0.00250	05/19/22 18:47	B2E0641	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:47	B2E0641	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/19/22 18:47	B2E0641	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/19/22 18:47	B2E0641	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/19/22 18:47	B2E0641	KJ1	5
Zinc, TCLP	0.0996	0.0250			mg/L	0.0100	05/19/22 18:47	B2E0641	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-104
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-05 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/24/22 14:17	B2E0772	TB2	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.029	05/19/22 14:26	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	93.3	0.100		% (Percent)	0.0240	05/18/22 06:21	B2E0562	MKP	1
Method: SW9045C									
pH	8.24			pH Units		05/19/22 13:24	B2E0632	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.51	8.51		ug/Kg dry	1.62	05/26/22 23:21	B2E0830	kp2	1
4,4'-DDE	< 4.26	4.26		ug/Kg dry	0.251	05/26/22 23:21	B2E0830	kp2	1
4,4'-DDT	< 8.51	8.51		ug/Kg dry	2.09	05/26/22 23:04	B2E0830	kp2	1
Aldrin	< 4.26	4.26		ug/Kg dry	0.632	05/26/22 23:21	B2E0830	kp2	1
alpha-BHC	< 0.500	0.500		ug/Kg dry	0.343	05/26/22 23:04	B2E0830	kp2	1
alpha-Chlordane	< 4.26	4.26		ug/Kg dry	0.752	05/26/22 23:04	B2E0830	kp2	1
beta-BHC	< 8.51	8.51		ug/Kg dry	1.19	05/26/22 23:21	B2E0830	kp2	1
delta BHC	2.13	2.13		ug/Kg dry	0.482	05/26/22 23:21	B2E0830	kp2	1
Dieldrin	< 4.00	4.00		ug/Kg dry	0.662	05/26/22 23:04	B2E0830	kp2	1
Endosulfan I	< 4.26	4.26		ug/Kg dry	1.02	05/26/22 23:04	B2E0830	kp2	1
Endosulfan II	< 4.26	4.26		ug/Kg dry	0.967	05/26/22 23:21	B2E0830	kp2	1
Endosulfan sulfate	< 8.51	8.51		ug/Kg dry	1.12	05/26/22 23:21	B2E0830	kp2	1
Endrin	< 4.26	4.26		ug/Kg dry	0.767	05/26/22 23:04	B2E0830	kp2	1
Endrin aldehyde	< 8.51	8.51		ug/Kg dry	1.24	05/26/22 23:04	B2E0830	kp2	1
Endrin ketone	< 8.51	8.51		ug/Kg dry	1.31	05/26/22 23:04	B2E0830	kp2	1
gamma-BHC	< 4.26	4.26		ug/Kg dry	0.309	05/26/22 23:04	B2E0830	kp2	1
gamma-Chlordane	< 8.51	8.51		ug/Kg dry	1.82	05/26/22 23:04	B2E0830	kp2	1
Heptachlor	< 8.51	8.51		ug/Kg dry	1.20	05/26/22 23:04	B2E0830	kp2	1
Heptachlor epoxide	< 8.51	8.51		ug/Kg dry	1.17	05/26/22 23:04	B2E0830	kp2	1
Methoxychlor	< 8.51	8.51		ug/Kg dry	2.05	05/26/22 23:04	B2E0830	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 83%	Limits: 23-110	05/26/22 23:04	B2E0830	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 77%	Limits: 32-109	05/26/22 23:21	B2E0830	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.213	0.213		mg/Kg dry	0.0404	05/26/22 12:33	B2E0829	CS2	1
Aroclor 1221	< 0.319	0.319		mg/Kg dry	0.0862	05/26/22 12:33	B2E0829	CS2	1
Aroclor 1232	< 0.319	0.319		mg/Kg dry	0.0649	05/26/22 12:33	B2E0829	CS2	1
Aroclor 1242	< 0.319	0.319		mg/Kg dry	0.0702	05/26/22 12:33	B2E0829	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-104
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-05 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.319	0.319	mg/Kg dry	0.0649	05/26/22 12:33	B2E0829	CS2	1
Aroclor 1254	< 0.213	0.213	mg/Kg dry	0.0351	05/26/22 12:33	B2E0829	CS2	1
Aroclor 1260	< 0.213	0.213	mg/Kg dry	0.0458	05/26/22 12:33	B2E0829	CS2	1
Total PCB	< 0.319	0.319	mg/Kg dry	0.0862	05/26/22 12:33	B2E0829	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 71%	Limits: 10-127	05/26/22 12:33	B2E0829	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 57%	Limits: 11-119	05/26/22 12:33	B2E0829	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 101	101	ug/Kg dry	18.7	05/26/22 14:39	B2E0820	CG1	1
2,4,5-TP (Silvex)	< 202	202	ug/Kg dry	27.8	05/26/22 14:39	B2E0820	CG1	1
2,4-D	< 202	202	ug/Kg dry	18.0	05/26/22 14:39	B2E0820	CG1	1
2,4-DB	< 101	101	ug/Kg dry	13.7	05/26/22 23:06	B2E0820	CG1	1
Dalapon	< 850	850	ug/Kg dry	620	05/26/22 23:06	B2E0820	CG1	1
Dicamba	< 202	202	ug/Kg dry	35.1	05/26/22 23:06	B2E0820	CG1	1
Dichlorprop	< 101	101	ug/Kg dry	16.4	05/26/22 23:06	B2E0820	CG1	1
Dinoseb	< 202	202	ug/Kg dry	43.3	05/26/22 14:39	B2E0820	CG1	1
MCPA	< 101	101	ug/Kg dry	14.9	05/26/22 14:39	B2E0820	CG1	1
MCPP	< 101	101	ug/Kg dry	18.6	05/26/22 14:39	B2E0820	CG1	1
Pentachlorophenol	< 202	202	ug/Kg dry	48.3	05/26/22 23:06	B2E0820	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 75%	Limits: 10-116	05/26/22 14:39	B2E0820	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.53	1.53	ug/Kg dry	0.309	05/19/22 18:54	B2E0691	KS1	1
1,1,1-Trichloroethane	< 1.53	1.53	ug/Kg dry	0.312	05/19/22 18:54	B2E0691	KS1	1
1,1,2,2-Tetrachloroethane	< 1.53	1.53	ug/Kg dry	0.272	05/19/22 18:54	B2E0691	KS1	1
1,1,2 Trichloroethane	1.53	1.53	ug/Kg dry	0.335	05/19/22 18:54	B2E0691	K 1	1
1,1-Dichloroethane	< 3.05	3.05	ug/Kg dry	0.414	05/19/22 18:54	B2E0691	KS1	1
1,1-Dichloroethene	< 1.53	1.53	ug/Kg dry	0.331	05/19/22 18:54	B2E0691	KS1	1
1,1-Dichloropropene	< 15.3	15.3	ug/Kg dry	2.17	05/19/22 18:54	B2E0691	KS1	1
1,2,3-Trichlorobenzene	< 30.5	30.5	ug/Kg dry	4.94	05/19/22 18:54	B2E0691	KS1	1
1,2,3-Trichloropropane	< 15.3	15.3	ug/Kg dry	2.92	05/19/22 18:54	B2E0691	KS1	1
1,2,4-Trichlorobenzene	< 30.5	30.5	ug/Kg dry	4.85	05/19/22 18:54	B2E0691	KS1	1
1,2,4-Trimethylbenzene	< 6.10	6.10	ug/Kg dry	0.822	05/19/22 18:54	B2E0691	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.27	05/19/22 18:54	B2E0691	KS1	1
1,2-Dibromoethane	< 1.53	1.53	ug/Kg dry	0.207	05/19/22 18:54	B2E0691	KS1	1
1,2-Dichloroethane	< 1.53	1.53	ug/Kg dry	0.313	05/19/22 18:54	B2E0691	KS1	1
1,2-Dichloropropane	< 1.53	1.53	ug/Kg dry	0.369	05/19/22 18:54	B2E0691	KS1	1
1,3,5-Trimethylbenzene	< 3.05	3.05	ug/Kg dry	0.762	05/19/22 18:54	B2E0691	KS1	1
1,3-Dichloropropane	< 1.53	1.53	ug/Kg dry	0.341	05/19/22 18:54	B2E0691	KS1	1
2,2-Dichloropropane	< 1.53	1.53	ug/Kg dry	0.253	05/19/22 18:54	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-104
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-05 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
2-Butanone	< 21.4	21.4	ug/Kg dry	5.20	05/19/22 18:54	B2E0691	KS1	1
2-Chlorotoluene	< 3.05	3.05	ug/Kg dry	0.669	05/19/22 18:54	B2E0691	KS1	1
2-Hexanone	< 21.4	21.4	ug/Kg dry	4.05	05/19/22 18:54	B2E0691	KS1	1
4-Chlorotoluene	< 3.05	3.05	ug/Kg dry	0.668	05/19/22 18:54	B2E0691	KS1	1
4-Isopropyltoluene	< 6.10	6.10	ug/Kg dry	0.894	05/19/22 18:54	B2E0691	KS1	1
4-Methyl-2-pentanone	< 21.4	21.4	ug/Kg dry	3.11	05/19/22 18:54	B2E0691	KS1	1
Acetone	< 53.4	53.4	ug/Kg dry	9.23	05/19/22 18:54	B2E0691	KS1	1
Benzene	< 1.53	1.53	ug/Kg dry	0.220	05/19/22 18:54	B2E0691	KS1	1
Bromobenzene	< 3.05	3.05	ug/Kg dry	0.429	05/19/22 18:54	B2E0691	KS1	1
Bromochloromethane	< 3.05	3.05	ug/Kg dry	0.535	05/19/22 18:54	B2E0691	KS1	1
Bromodichloromethane	< 1.53	1.53	ug/Kg dry	0.367	05/19/22 18:54	B2E0691	KS1	1
Bromoform	< 3.05	3.05	ug/Kg dry	0.481	05/19/22 18:54	B2E0691	KS1	1
Bromomethane	< 15.3	15.3	ug/Kg dry	1.83	05/19/22 18:54	B2E0691	KS1	1
Carbon disulfide	< 3.05	3.05	ug/Kg dry	0.459	05/19/22 18:54	B2E0691	KS1	1
Carbon tetrachloride	< 15.3	15.3	ug/Kg dry	2.13	05/19/22 18:54	B2E0691	KS1	1
Chlorobenzene	< 3.05	3.05	ug/Kg dry	0.397	05/19/22 18:54	B2E0691	KS1	1
Chloroethane	< 6.10	6.10	ug/Kg dry	1.08	05/19/22 18:54	B2E0691	KS1	1
Chloroform	< 3.05	3.05	ug/Kg dry	0.558	05/19/22 18:54	B2E0691	KS1	1
Chloromethane	6.10	6.10	ug/Kg dry	1.11	05/19/22 18:54	B2E0691	K 1	1
cis-1,2-Dichloroethene	< 3.05	3.05	ug/Kg dry	0.435	05/19/22 18:54	B2E0691	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.528	05/19/22 18:54	B2E0691	KS1	1
Dibromochloromethane	< 1.53	1.53	ug/Kg dry	0.363	05/19/22 18:54	B2E0691	KS1	1
Dibromomethane	< 1.53	1.53	ug/Kg dry	0.279	05/19/22 18:54	B2E0691	KS1	1
Dichlorodifluoromethane	7.63	7.63	ug/Kg dry	0.923	05/19/22 18:54	B2E0691	K 1	1
Ethylbenzene	< 6.10	6.10	ug/Kg dry	0.789	05/19/22 18:54	B2E0691	KS1	1
Isopropylbenzene	< 3.05	3.05	ug/Kg dry	0.758	05/19/22 18:54	B2E0691	KS1	1
m,p-Xylene	< 6.10	6.10	ug/Kg dry	1.23	05/19/22 18:54	B2E0691	KS1	1
Methyl tert-butyl ether	< 1.53	1.53	ug/Kg dry	0.255	05/19/22 18:54	B2E0691	KS1	1
Methylene chloride	< 15.3	15.3	ug/Kg dry	3.00	05/19/22 18:54	B2E0691	KS1	1
n-Butylbenzene	< 15.3	15.3	ug/Kg dry	2.18	05/19/22 18:54	B2E0691	KS1	1
n-Propylbenzene	< 3.05	3.05	ug/Kg dry	0.730	05/19/22 18:54	B2E0691	KS1	1
o-Xylene	< 6.10	6.10	ug/Kg dry	0.779	05/19/22 18:54	B2E0691	KS1	1
sec-Butylbenzene	< 3.05	3.05	ug/Kg dry	0.749	05/19/22 18:54	B2E0691	KS1	1
Styrene	< 6.10	6.10	ug/Kg dry	0.837	05/19/22 18:54	B2E0691	KS1	1
tert-Butylbenzene	< 3.05	3.05	ug/Kg dry	0.290	05/19/22 18:54	B2E0691	KS1	1
Tetrachloroethene	< 3.05	3.05	ug/Kg dry	0.446	05/19/22 18:54	B2E0691	KS1	1
Toluene	< 1.53	1.53	ug/Kg dry	0.276	05/19/22 18:54	B2E0691	KS1	1
trans-1,2-Dichloroethene	< 3.05	3.05	ug/Kg dry	0.706	05/19/22 18:54	B2E0691	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.624	05/19/22 18:54	B2E0691	KS1	1
Trichloroethene	< 1.53	1.53	ug/Kg dry	0.370	05/19/22 18:54	B2E0691	KS1	1
Trichlorofluoromethane	< 1.53	1.53	ug/Kg dry	0.316	05/19/22 18:54	B2E0691	KS1	1
Vinyl acetate	< 3.05	3.05	ug/Kg dry	0.389	05/19/22 18:54	B2E0691	KS1	1
Vinyl chloride	< 3.05	3.05	ug/Kg dry	0.545	05/19/22 18:54	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-104
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-05 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 9.16	9.16	ug/Kg dry	1.95	05/19/22 18:54	B2E0691	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.481	05/19/22 18:54	B2E0691	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 103%	Limits: 80-141	05/19/22 18:54	B2E0691	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 117%	Limits: 79-150	05/19/22 18:54	B2E0691	KS1	1
Surrogate: Fluorobenzene			Recovery: 93%	Limits: 88-111	05/19/22 18:54	B2E0691	KS1	1
Surrogate: Toluene-d8			Recovery: 99%	Limits: 78-121	05/19/22 18:54	B2E0691	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 100%	Limits: 82-137	05/19/22 18:54	B2E0691	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 107%	Limits: 81-135	05/19/22 18:54	B2E0691	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 63.4	63.4	ug/Kg dry	11.9	05/19/22 20:21	B2E0535	LP	2
1,2-Dichlorobenzene	< 63.4	63.4	ug/Kg dry	11.0	05/19/22 20:21	B2E0535	LP	2
1,3-Dichlorobenzene	< 63.4	63.4	ug/Kg dry	10.5	05/19/22 20:21	B2E0535	LP	2
1,4-Dichlorobenzene	< 63.4	63.4	ug/Kg dry	10.0	05/19/22 20:21	B2E0535	LP	2
1-Methylnaphthalene	63.4	63.4	ug/Kg dry	11.9	05/19/22 20:21	B2E0535	LP	2
2,4,5-Trichlorophenol	< 42.2	42.2	ug/Kg dry	7.50	05/19/22 20:21	B2E0535	LP	2
2,4,6-Trichlorophenol	< 42.2	42.2	ug/Kg dry	14.0	05/19/22 20:21	B2E0535	LP	2
2,4-Dichlorophenol	< 42.2	42.2	ug/Kg dry	6.76	05/19/22 20:21	B2E0535	LP	2
2,4-Dimethylphenol	< 127	127	ug/Kg dry	8.71	05/19/22 20:21	B2E0535	LP	2
2,4-Dinitrophenol	< 1060	1060	ug/Kg dry	144	05/19/22 20:21	B2E0535	LP	2
2,4-Dinitrotoluene	< 63.4	63.4	ug/Kg dry	13.9	05/19/22 20:21	B2E0535	LP	2
2,6-Dinitrotoluene	< 42.2	42.2	ug/Kg dry	7.52	05/19/22 20:21	B2E0535	LP	2
2-Chloronaphthalene	< 42.2	42.2	ug/Kg dry	8.97	05/19/22 20:21	B2E0535	LP	2
2-Chlorophenol	< 42.2	42.2	ug/Kg dry	9.43	05/19/22 20:21	B2E0535	LP	2
2-Methylnaphthalene	< 63.4	63.4	ug/Kg dry	10.3	05/19/22 20:21	B2E0535	LP	2
2-Methylphenol	< 21.1	21.1	ug/Kg dry	4.85	05/19/22 20:21	B2E0535	LP	2
2-Nitroaniline	< 63.4	63.4	ug/Kg dry	12.9	05/19/22 20:21	B2E0535	LP	2
2-Nitrophenol	< 63.4	63.4	ug/Kg dry	17.7	05/19/22 20:21	B2E0535	LP	2
3,3'-Dichlorobenzidine	< 253	253	ug/Kg dry	40.2	05/19/22 20:21	B2E0535	LP	2
3 & 4-Me hylphenol	< 84.5	84.5	ug/Kg dry	16.5	05/19/22 20:21	B2E0535	LP	2
3-Nitroaniline	< 63.4	63.4	ug/Kg dry	22.5	05/19/22 20:21	B2E0535	LP	2
4,6-Dinitro-2-methylphenol	< 1690	1690	ug/Kg dry	249	05/19/22 20:21	B2E0535	LP	2
4-Bromophenyl-phenylether	< 63.4	63.4	ug/Kg dry	11.2	05/19/22 20:21	B2E0535	LP	2
4-Chloro-3-methylphenol	< 42.2	42.2	ug/Kg dry	5.80	05/19/22 20:21	B2E0535	LP	2
4-Chloroaniline	< 63.4	63.4	ug/Kg dry	10.1	05/19/22 20:21	B2E0535	LP	2
4-Chlorophenyl-phenylether	< 63.4	63.4	ug/Kg dry	10.7	05/19/22 20:21	B2E0535	LP	2
4-Nitroaniline	< 84.5	84.5	ug/Kg dry	8.38	05/19/22 20:21	B2E0535	LP	2
4-Nitrophenol	< 1690	1690	ug/Kg dry	280	05/19/22 20:21	B2E0535	LP	2
Acenaphthene	52.8	42.2	ug/Kg dry	8.48	05/19/22 20:21	B2E0535	LP	2
Acenaphthylene	175	42.2	ug/Kg dry	9.53	05/19/22 20:21	B2E0535	LP	2
Anthracene	575	63.4	ug/Kg dry	12.2	05/19/22 20:21	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-104
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-05 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Semivolatile Organic Compounds by GC/MS (Continued)								
Method: SW8270D / SW3550 (Continued)								
Azobenzene as 1,2-Diphenylhydrazine	< 42.2	42.2	ug/Kg dry	6.04	05/19/22 20:21	B2E0535	LP	2
Benzidine	< 358	358	ug/Kg dry	358	05/19/22 20:21	B2E0535	LP	2
Benzo(a)anthracene	1560	63.4	ug/Kg dry	10.6	05/19/22 20:21	B2E0535	LP	2
Benzo(a)pyrene	1430	90.0	ug/Kg dry	12.9	05/19/22 20:21	B2E0535	LP	2
Benzo(b)fluoranthene	1800	63.4	ug/Kg dry	16.9	05/19/22 20:21	B2E0535	LP	2
Benzo(g,h,i)perylene	875	84.5	ug/Kg dry	9.39	05/19/22 20:21	B2E0535	LP	2
Benzo(k)fluoranthene	1550	84.5	ug/Kg dry	10.3	05/19/22 20:21	B2E0535	LP	2
Benzoic acid	< 3380	3380	ug/Kg dry	210	05/19/22 20:21	B2E0535	LP	2
Benzyl alcohol	< 63.4	63.4	ug/Kg dry	10.8	05/19/22 20:21	B2E0535	LP	2
Bis(2-chloroethoxy)methane	< 42.2	42.2	ug/Kg dry	9.24	05/19/22 20:21	B2E0535	LP	2
Bis(2-chloroethyl)ether	< 660	660	ug/Kg dry	112	05/19/22 20:21	B2E0535	LP	2
Bis(2-chloroisopropyl)ether	< 1690	1690	ug/Kg dry	143	05/19/22 20:21	B2E0535	LP	2
Bis(2-ethylhexyl)phthalate	< 422	422	ug/Kg dry	71.5	05/19/22 20:21	B2E0535	LP	2
Butyl benzyl phthalate	< 127	127	ug/Kg dry	17.5	05/19/22 20:21	B2E0535	LP	2
Carbazole	73.9	42.2	ug/Kg dry	7.12	05/19/22 20:21	B2E0535	LP	2
Chrysene	1640	42.2	ug/Kg dry	6.73	05/19/22 20:21	B2E0535	LP	2
Dibenzo(a,h)anthracene	221	63.4	ug/Kg dry	25.7	05/19/22 20:21	B2E0535	LP	2
Dibenzofuran	< 63.4	63.4	ug/Kg dry	9.40	05/19/22 20:21	B2E0535	LP	2
Diethyl phthalate	< 422	422	ug/Kg dry	72.9	05/19/22 20:21	B2E0535	LP	2
Dimethyl phthalate	< 42.2	42.2	ug/Kg dry	8.47	05/19/22 20:21	B2E0535	LP	2
Di-n-butyl phthalate	< 127	127	ug/Kg dry	23.5	05/19/22 20:21	B2E0535	LP	2
Di-n-octyl phthalate	< 63.4	63.4	ug/Kg dry	15.5	05/19/22 20:21	B2E0535	LP	2
Fluoranthene	2620	63.4	ug/Kg dry	13.7	05/19/22 20:21	B2E0535	LP	2
Fluorene	114	42.2	ug/Kg dry	8.31	05/19/22 20:21	B2E0535	LP	2
Hexachlorobenzene	< 42.2	42.2	ug/Kg dry	8.13	05/19/22 20:21	B2E0535	LP	2
Hexachlorobutadiene	< 84.5	84.5	ug/Kg dry	13.0	05/19/22 20:21	B2E0535	LP	2
Hexachlorocyclopentadiene	< 1100	1100	ug/Kg dry	159	05/19/22 20:21	B2E0535	LP	2
Hexachloroethane	< 84.5	84.5	ug/Kg dry	11.6	05/19/22 20:21	B2E0535	LP	2
Indeno(1,2,3-cd)pyrene	1000	63.4	ug/Kg dry	16.7	05/19/22 20:21	B2E0535	LP	2
Isophorone	< 63.4	63.4	ug/Kg dry	8.07	05/19/22 20:21	B2E0535	LP	2
Naphthalene	< 63.4	63.4	ug/Kg dry	12.1	05/19/22 20:21	B2E0535	LP	2
Nitrobenzene	< 84.5	84.5	ug/Kg dry	11.0	05/19/22 20:21	B2E0535	LP	2
N-Nitrosodimethylamine	< 84.5	84.5	ug/Kg dry	16.0	05/19/22 20:21	B2E0535	LP	2
N-Nitrosodi-n-propylamine	< 19.8	19.8	ug/Kg dry	19.8	05/19/22 20:21	B2E0535	LP	2
N-Nitrosodiphenylamine	< 63.4	63.4	ug/Kg dry	14.6	05/19/22 20:21	B2E0535	LP	2
Pentachlorophenol	< 114	114	ug/Kg dry	114	05/19/22 20:21	B2E0535	LP	2
Phenanthrene	1400	63.4	ug/Kg dry	11.0	05/19/22 20:21	B2E0535	LP	2
Phenol	< 84.5	84.5	ug/Kg dry	11.7	05/19/22 20:21	B2E0535	LP	2
Pyrene	2710	63.4	ug/Kg dry	11.6	05/19/22 20:21	B2E0535	LP	2
Surrogate: 2-Fluorophenol			Recovery: 46%	Limits: 10-101	05/19/22 20:21	B2E0535	LP	2
Surrogate: Phenol-d5			Recovery: 53%	Limits: 10-110	05/19/22 20:21	B2E0535	LP	2
Surrogate: Nitrobenzene-d5			Recovery: 57%	Limits: 16-114	05/19/22 20:21	B2E0535	LP	2
Surrogate: 2-Fluorobiphenyl			Recovery: 71%	Limits: 15-117	05/19/22 20:21	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-104
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-05 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 68%		Limits: 10-118	05/19/22 20:21	B2E0535	LP	2
Surrogate: 4-Terphenyl-d14			Recovery: 94%		Limits: 12-144	05/19/22 20:21	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-105
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-06

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.33	1.33			mg/Kg dry	0.533	05/19/22 21:38	B2E0566	CS2	1
Arsenic	< 1.33	1.33			mg/Kg dry	0.384	05/19/22 21:38	B2E0566	CS2	1
Barium	24.2	1.33			mg/Kg dry	0.208	05/19/22 21:38	B2E0566	CS2	1
Beryllium	< 0.133	0.133			mg/Kg dry	0.0320	05/19/22 21:38	B2E0566	CS2	1
Cadmium	0.210	0.133			mg/Kg dry	0.0266	05/19/22 21:38	B2E0566	CS2	1
Chromium	6.13	1.33			mg/Kg dry	0.368	05/19/22 21:38	B2E0566	CS2	1
Cobalt	1.43	1.33			mg/Kg dry	0.208	05/19/22 21:38	B2E0566	CS2	1
Copper	7.98	1.33			mg/Kg dry	0.314	05/19/22 21:38	B2E0566	CS2	1
Iron	12800	666			mg/Kg dry	320	05/19/22 20:25	B2E0566	CS2	100
Lead	13.6	1.33			mg/Kg dry	0.320	05/19/22 21:38	B2E0566	CS2	1
Manganese	181	1.33			mg/Kg dry	0.224	05/19/22 21:38	B2E0566	CS2	1
Nickel	4.66	1.33			mg/Kg dry	0.234	05/19/22 21:38	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.384	05/19/22 21:38	B2E0566	CS2	1
Silver	< 1.33	1.33			mg/Kg dry	0.266	05/19/22 21:38	B2E0566	CS2	1
Thallium	< 1.33	1.33			mg/Kg dry	0.512	05/19/22 21:38	B2E0566	CS2	1
Vanadium	3.86	1.33			mg/Kg dry	0.181	05/19/22 21:38	B2E0566	CS2	1
Zinc	41.4	5.33			mg/Kg dry	1.15	05/19/22 21:38	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:49	B2E0641	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/19/22 18:49	B2E0641	KJ1	5
Barium, TCLP	0.150	0.0250			mg/L	0.00200	05/19/22 18:49	B2E0641	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:49	B2E0641	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/19/22 18:49	B2E0641	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/19/22 18:49	B2E0641	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:49	B2E0641	KJ1	5
Copper, TCLP	0.0250	0.0250			mg/L	0.00250	05/19/22 18:49	B2E0641	KJ1	5
Lead, TCLP	0.00772	0.00750			mg/L	0.00150	05/19/22 18:49	B2E0641	KJ1	5
Manganese, TCLP	1.82	0.0250			mg/L	0.00250	05/19/22 18:49	B2E0641	KJ1	5
Nickel, TCLP	0.0280	0.0250			mg/L	0.00250	05/19/22 18:49	B2E0641	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/19/22 18:49	B2E0641	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/19/22 18:49	B2E0641	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/19/22 18:49	B2E0641	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/19/22 18:49	B2E0641	KJ1	5
Zinc, TCLP	1.00	0.0250			mg/L	0.0100	05/19/22 18:49	B2E0641	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-105
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-06 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/24/22 14:19	B2E0772	TB2	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.032	05/19/22 14:28	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	90.8	0.100		% (Percent)	0.0240	05/18/22 06:23	B2E0562	MKP	1
Method: SW9045C									
pH	8.32			pH Units		05/19/22 13:24	B2E0632	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.47	8.47		ug/Kg dry	1.61	05/26/22 23:21	B2E0830	kp2	1
4,4'-DDE	< 4.23	4.23		ug/Kg dry	0.250	05/26/22 23:38	B2E0830	kp2	1
4,4'-DDT	< 8.47	8.47		ug/Kg dry	2.08	05/26/22 23:21	B2E0830	kp2	1
Aldrin	< 4.23	4.23		ug/Kg dry	0.628	05/26/22 23:38	B2E0830	kp2	1
alpha-BHC	< 0.500	0.500		ug/Kg dry	0.342	05/26/22 23:21	B2E0830	kp2	1
alpha-Chlordane	< 4.23	4.23		ug/Kg dry	0.748	05/26/22 23:21	B2E0830	kp2	1
beta-BHC	< 8.47	8.47		ug/Kg dry	1.18	05/26/22 23:38	B2E0830	kp2	1
delta BHC	2.12	2.12		ug/Kg dry	0.480	05/26/22 23:21	B2E0830	kp2	1
Dieldrin	< 4.00	4.00		ug/Kg dry	0.658	05/26/22 23:21	B2E0830	kp2	1
Endosulfan I	< 4.23	4.23		ug/Kg dry	1.01	05/26/22 23:21	B2E0830	kp2	1
Endosulfan II	< 4.23	4.23		ug/Kg dry	0.962	05/26/22 23:21	B2E0830	kp2	1
Endosulfan sulfate	< 8.47	8.47		ug/Kg dry	1.12	05/26/22 23:38	B2E0830	kp2	1
Endrin	< 4.23	4.23		ug/Kg dry	0.763	05/26/22 23:21	B2E0830	kp2	1
Endrin aldehyde	< 8.47	8.47		ug/Kg dry	1.23	05/26/22 23:21	B2E0830	kp2	1
Endrin ketone	< 8.47	8.47		ug/Kg dry	1.31	05/26/22 23:21	B2E0830	kp2	1
gamma-BHC	< 4.23	4.23		ug/Kg dry	0.308	05/26/22 23:38	B2E0830	kp2	1
gamma-Chlordane	< 8.47	8.47		ug/Kg dry	1.81	05/26/22 23:21	B2E0830	kp2	1
Heptachlor	< 8.47	8.47		ug/Kg dry	1.20	05/26/22 23:21	B2E0830	kp2	1
Heptachlor epoxide	< 8.47	8.47		ug/Kg dry	1.16	05/26/22 23:21	B2E0830	kp2	1
Methoxychlor	< 8.47	8.47		ug/Kg dry	2.04	05/26/22 23:21	B2E0830	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 74%	Limits: 23-110	05/26/22 23:21	B2E0830	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 72%	Limits: 32-109	05/26/22 23:38	B2E0830	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.212	0.212		mg/Kg dry	0.0402	05/26/22 12:50	B2E0829	CS2	1
Aroclor 1221	< 0.318	0.318		mg/Kg dry	0.0858	05/26/22 12:50	B2E0829	CS2	1
Aroclor 1232	< 0.318	0.318		mg/Kg dry	0.0646	05/26/22 12:50	B2E0829	CS2	1
Aroclor 1242	< 0.318	0.318		mg/Kg dry	0.0699	05/26/22 12:50	B2E0829	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-105
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-06 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.318	0.318	mg/Kg dry	0.0646	05/26/22 12:50	B2E0829	CS2	1
Aroclor 1254	< 0.212	0.212	mg/Kg dry	0.0349	05/26/22 12:50	B2E0829	CS2	1
Aroclor 1260	< 0.212	0.212	mg/Kg dry	0.0455	05/26/22 12:50	B2E0829	CS2	1
Total PCB	< 0.318	0.318	mg/Kg dry	0.0858	05/26/22 12:50	B2E0829	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 65%	Limits: 10-127	05/26/22 12:50	B2E0829	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 54%	Limits: 11-119	05/26/22 12:50	B2E0829	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 108	108	ug/Kg dry	19.9	05/26/22 15:16	B2E0820	CG1	1
2,4,5 TP (ilvex)	215	215	ug/Kg dry	29.6	05/27/22 00:02	B2E0820	CG1	1
2,4-D	< 215	215	ug/Kg dry	19.2	05/26/22 15:16	B2E0820	CG1	1
2,4-DB	194	108	ug/Kg dry	14.6	05/26/22 15:16	B2E0820	CG1	1
Dalapon	< 850	850	ug/Kg dry	660	05/26/22 15:16	B2E0820	CG1	1
Dicamba	< 215	215	ug/Kg dry	37.4	05/27/22 00:02	B2E0820	CG1	1
Dichlorprop	< 108	108	ug/Kg dry	17.5	05/26/22 15:16	B2E0820	CG1	1
Dinoseb	575	215	ug/Kg dry	46.0	05/26/22 15:16	B2E0820	CG1	1
MCPA	< 108	108	ug/Kg dry	15.8	05/26/22 15:16	B2E0820	CG1	1
MCPP	< 108	108	ug/Kg dry	19.7	05/27/22 00:02	B2E0820	CG1	1
Pentachlorophenol	215	215	ug/Kg dry	51.4	05/27/22 00:02	B2E0820	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 58%	Limits: 10-116	05/26/22 15:16	B2E0820	CG1	1

Volatile Organic Compounds by GC/MS

Method SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.43	1.43	ug/Kg dry	0.289	05/19/22 19:19	B2E0691	KS1	1
1,1,1-Trichloroethane	< 1.43	1.43	ug/Kg dry	0.292	05/19/22 19:19	B2E0691	KS1	1
1,1,2,2 Tetrachloroethane	1.43	1.43	ug/Kg dry	0.254	05/19/22 19:19	B2E0691	K 1	1
1,1,2-Trichloroethane	< 1.43	1.43	ug/Kg dry	0.313	05/19/22 19:19	B2E0691	KS1	1
1,1-Dichloroethane	< 2.85	2.85	ug/Kg dry	0.387	05/19/22 19:19	B2E0691	KS1	1
1,1-Dichloroethene	< 1.43	1.43	ug/Kg dry	0.309	05/19/22 19:19	B2E0691	KS1	1
1,1-Dichloropropene	< 14.3	14.3	ug/Kg dry	2.02	05/19/22 19:19	B2E0691	KS1	1
1,2,3-Trichlorobenzene	< 28.5	28.5	ug/Kg dry	4.62	05/19/22 19:19	B2E0691	KS1	1
1,2,3-Trichloropropane	< 14.3	14.3	ug/Kg dry	2.73	05/19/22 19:19	B2E0691	KS1	1
1,2,4-Trichlorobenzene	< 28.5	28.5	ug/Kg dry	4.53	05/19/22 19:19	B2E0691	KS1	1
1,2,4-Trimethylbenzene	< 5.70	5.70	ug/Kg dry	0.768	05/19/22 19:19	B2E0691	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.18	05/19/22 19:19	B2E0691	KS1	1
1,2-Dibromoethane	< 1.43	1.43	ug/Kg dry	0.194	05/19/22 19:19	B2E0691	KS1	1
1,2-Dichloroethane	< 1.43	1.43	ug/Kg dry	0.293	05/19/22 19:19	B2E0691	KS1	1
1,2-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.344	05/19/22 19:19	B2E0691	KS1	1
1,3,5-Trimethylbenzene	< 2.85	2.85	ug/Kg dry	0.712	05/19/22 19:19	B2E0691	KS1	1
1,3-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.319	05/19/22 19:19	B2E0691	KS1	1
2,2-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.236	05/19/22 19:19	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-105
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-06 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
2-Butanone	< 20.0	20.0	ug/Kg dry	4.85	05/19/22 19:19	B2E0691	KS1	1
2-Chlorotoluene	< 2.85	2.85	ug/Kg dry	0.625	05/19/22 19:19	B2E0691	KS1	1
2-Hexanone	< 20.0	20.0	ug/Kg dry	3.78	05/19/22 19:19	B2E0691	KS1	1
4-Chlorotoluene	< 2.85	2.85	ug/Kg dry	0.625	05/19/22 19:19	B2E0691	KS1	1
4-Isopropyltoluene	< 5.70	5.70	ug/Kg dry	0.835	05/19/22 19:19	B2E0691	KS1	1
4-Methyl-2-pentanone	< 20.0	20.0	ug/Kg dry	2.91	05/19/22 19:19	B2E0691	KS1	1
Acetone	< 49.9	49.9	ug/Kg dry	8.62	05/19/22 19:19	B2E0691	KS1	1
Benzene	< 1.43	1.43	ug/Kg dry	0.205	05/19/22 19:19	B2E0691	KS1	1
Bromobenzene	< 2.85	2.85	ug/Kg dry	0.401	05/19/22 19:19	B2E0691	KS1	1
Bromochloromethane	< 2.85	2.85	ug/Kg dry	0.500	05/19/22 19:19	B2E0691	KS1	1
Bromodichloromethane	< 1.43	1.43	ug/Kg dry	0.343	05/19/22 19:19	B2E0691	KS1	1
Bromoform	< 2.85	2.85	ug/Kg dry	0.449	05/19/22 19:19	B2E0691	KS1	1
Bromomethane	< 14.3	14.3	ug/Kg dry	1.71	05/19/22 19:19	B2E0691	KS1	1
Carbon disulfide	< 2.85	2.85	ug/Kg dry	0.429	05/19/22 19:19	B2E0691	KS1	1
Carbon tetrachloride	< 14.3	14.3	ug/Kg dry	1.99	05/19/22 19:19	B2E0691	KS1	1
Chlorobenzene	< 2.85	2.85	ug/Kg dry	0.371	05/19/22 19:19	B2E0691	KS1	1
Chloroethane	< 5.70	5.70	ug/Kg dry	1.01	05/19/22 19:19	B2E0691	KS1	1
Chloroform	< 2.85	2.85	ug/Kg dry	0.521	05/19/22 19:19	B2E0691	KS1	1
Chloromethane	5.70	5.70	ug/Kg dry	1.04	05/19/22 19:19	B2E0691	K 1	1
cis-1,2-Dichloroethene	< 2.85	2.85	ug/Kg dry	0.407	05/19/22 19:19	B2E0691	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.493	05/19/22 19:19	B2E0691	KS1	1
Dibromochloromethane	< 1.43	1.43	ug/Kg dry	0.339	05/19/22 19:19	B2E0691	KS1	1
Dibromomethane	< 1.43	1.43	ug/Kg dry	0.261	05/19/22 19:19	B2E0691	KS1	1
Dichlorodifluoromethane	7.13	7.13	ug/Kg dry	0.862	05/19/22 19:19	B2E0691	K 1	1
Ethylbenzene	< 5.70	5.70	ug/Kg dry	0.738	05/19/22 19:19	B2E0691	KS1	1
Isopropylbenzene	< 2.85	2.85	ug/Kg dry	0.708	05/19/22 19:19	B2E0691	KS1	1
m,p-Xylene	< 5.70	5.70	ug/Kg dry	1.15	05/19/22 19:19	B2E0691	KS1	1
Methyl tert-butyl ether	< 1.43	1.43	ug/Kg dry	0.238	05/19/22 19:19	B2E0691	KS1	1
Methylene chloride	< 14.3	14.3	ug/Kg dry	2.80	05/19/22 19:19	B2E0691	KS1	1
n-Butylbenzene	< 14.3	14.3	ug/Kg dry	2.04	05/19/22 19:19	B2E0691	KS1	1
n-Propylbenzene	< 2.85	2.85	ug/Kg dry	0.682	05/19/22 19:19	B2E0691	KS1	1
o-Xylene	< 5.70	5.70	ug/Kg dry	0.728	05/19/22 19:19	B2E0691	KS1	1
sec-Butylbenzene	< 2.85	2.85	ug/Kg dry	0.700	05/19/22 19:19	B2E0691	KS1	1
Styrene	< 5.70	5.70	ug/Kg dry	0.782	05/19/22 19:19	B2E0691	KS1	1
tert-Butylbenzene	< 2.85	2.85	ug/Kg dry	0.271	05/19/22 19:19	B2E0691	KS1	1
Tetrachloroethene	< 2.85	2.85	ug/Kg dry	0.416	05/19/22 19:19	B2E0691	KS1	1
Toluene	< 1.43	1.43	ug/Kg dry	0.258	05/19/22 19:19	B2E0691	KS1	1
trans-1,2-Dichloroethene	< 2.85	2.85	ug/Kg dry	0.660	05/19/22 19:19	B2E0691	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.583	05/19/22 19:19	B2E0691	KS1	1
Trichloroethene	< 1.43	1.43	ug/Kg dry	0.346	05/19/22 19:19	B2E0691	KS1	1
Trichlorofluoromethane	< 1.43	1.43	ug/Kg dry	0.295	05/19/22 19:19	B2E0691	KS1	1
Vinyl acetate	< 2.85	2.85	ug/Kg dry	0.364	05/19/22 19:19	B2E0691	KS1	1
Vinyl chloride	< 2.85	2.85	ug/Kg dry	0.509	05/19/22 19:19	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-105
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-06 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 8.55	8.55	ug/Kg dry	1.83	05/19/22 19:19	B2E0691	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.449	05/19/22 19:19	B2E0691	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 106%	Limits: 80-141	05/19/22 19:19	B2E0691	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 121%	Limits: 79-150	05/19/22 19:19	B2E0691	KS1	1
Surrogate: Fluorobenzene			Recovery: 103%	Limits: 88-111	05/19/22 19:19	B2E0691	KS1	1
Surrogate: Toluene-d8			Recovery: 100%	Limits: 78-121	05/19/22 19:19	B2E0691	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 101%	Limits: 82-137	05/19/22 19:19	B2E0691	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 104%	Limits: 81-135	05/19/22 19:19	B2E0691	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 64.2	64.2	ug/Kg dry	12.1	05/19/22 20:47	B2E0535	LP	2
1,2-Dichlorobenzene	< 64.2	64.2	ug/Kg dry	11.1	05/19/22 20:47	B2E0535	LP	2
1,3-Dichlorobenzene	< 64.2	64.2	ug/Kg dry	10.6	05/19/22 20:47	B2E0535	LP	2
1,4-Dichlorobenzene	< 64.2	64.2	ug/Kg dry	10.2	05/19/22 20:47	B2E0535	LP	2
1-Methylnaphthalene	64.2	64.2	ug/Kg dry	12.0	05/19/22 20:47	B2E0535	LP	2
2,4,5-Trichlorophenol	< 42.8	42.8	ug/Kg dry	7.61	05/19/22 20:47	B2E0535	LP	2
2,4,6-Trichlorophenol	< 42.8	42.8	ug/Kg dry	14.2	05/19/22 20:47	B2E0535	LP	2
2,4-Dichlorophenol	< 42.8	42.8	ug/Kg dry	6.85	05/19/22 20:47	B2E0535	LP	2
2,4-Dimethylphenol	< 128	128	ug/Kg dry	8.83	05/19/22 20:47	B2E0535	LP	2
2,4-Dinitrophenol	< 1070	1070	ug/Kg dry	146	05/19/22 20:47	B2E0535	LP	2
2,4-Dinitrotoluene	< 64.2	64.2	ug/Kg dry	14.1	05/19/22 20:47	B2E0535	LP	2
2,6-Dinitrotoluene	< 42.8	42.8	ug/Kg dry	7.62	05/19/22 20:47	B2E0535	LP	2
2-Chloronaphthalene	< 42.8	42.8	ug/Kg dry	9.09	05/19/22 20:47	B2E0535	LP	2
2-Chlorophenol	< 42.8	42.8	ug/Kg dry	9.56	05/19/22 20:47	B2E0535	LP	2
2-Methylnaphthalene	< 64.2	64.2	ug/Kg dry	10.4	05/19/22 20:47	B2E0535	LP	2
2-Methylphenol	< 21.4	21.4	ug/Kg dry	4.92	05/19/22 20:47	B2E0535	LP	2
2-Nitroaniline	< 64.2	64.2	ug/Kg dry	13.0	05/19/22 20:47	B2E0535	LP	2
2-Nitrophenol	< 64.2	64.2	ug/Kg dry	18.0	05/19/22 20:47	B2E0535	LP	2
3,3'-Dichlorobenzidine	< 257	257	ug/Kg dry	40.8	05/19/22 20:47	B2E0535	LP	2
3 & 4-Me hylphenol	< 85.6	85.6	ug/Kg dry	16.7	05/19/22 20:47	B2E0535	LP	2
3-Nitroaniline	< 64.2	64.2	ug/Kg dry	22.8	05/19/22 20:47	B2E0535	LP	2
4,6-Dinitro-2-methylphenol	< 1710	1710	ug/Kg dry	253	05/19/22 20:47	B2E0535	LP	2
4-Bromophenyl-phenylether	< 64.2	64.2	ug/Kg dry	11.3	05/19/22 20:47	B2E0535	LP	2
4-Chloro-3-methylphenol	< 42.8	42.8	ug/Kg dry	5.88	05/19/22 20:47	B2E0535	LP	2
4-Chloroaniline	< 64.2	64.2	ug/Kg dry	10.3	05/19/22 20:47	B2E0535	LP	2
4-Chlorophenyl-phenylether	< 64.2	64.2	ug/Kg dry	10.9	05/19/22 20:47	B2E0535	LP	2
4-Nitroaniline	< 85.6	85.6	ug/Kg dry	8.50	05/19/22 20:47	B2E0535	LP	2
4-Nitrophenol	< 1710	1710	ug/Kg dry	284	05/19/22 20:47	B2E0535	LP	2
Acenaphthene	46.4	42.8	ug/Kg dry	8.60	05/19/22 20:47	B2E0535	LP	2
Acenaphthylene	226	42.8	ug/Kg dry	9.66	05/19/22 20:47	B2E0535	LP	2
Anthracene	362	64.2	ug/Kg dry	12.4	05/19/22 20:47	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-105
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-06 (Continued)

Analyses	Result	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual	Units					
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Azobenzene as 1,2-Diphenylhydrazine	< 42.8	42.8		ug/Kg dry	6.12	05/19/22 20:47	B2E0535	LP	2
Benzidine	< 363	363		ug/Kg dry	363	05/19/22 20:47	B2E0535	LP	2
Benzo(a)anthracene	1510	64.2		ug/Kg dry	10.7	05/19/22 20:47	B2E0535	LP	2
Benzo(a)pyrene	1580	90.0		ug/Kg dry	13.1	05/19/22 20:47	B2E0535	LP	2
Benzo(b)fluoranthene	2200	64.2		ug/Kg dry	17.2	05/19/22 20:47	B2E0535	LP	2
Benzo(g,h,i)perylene	1080	85.6		ug/Kg dry	9.52	05/19/22 20:47	B2E0535	LP	2
Benzo(k)fluoranthene	537	85.6		ug/Kg dry	10.5	05/19/22 20:47	B2E0535	LP	2
Benzoic acid	< 3430	3430		ug/Kg dry	213	05/19/22 20:47	B2E0535	LP	2
Benzyl alcohol	< 64.2	64.2		ug/Kg dry	11.0	05/19/22 20:47	B2E0535	LP	2
Bis(2-chloroethoxy)methane	< 42.8	42.8		ug/Kg dry	9.37	05/19/22 20:47	B2E0535	LP	2
Bis(2-chloroethyl)ether	< 660	660		ug/Kg dry	113	05/19/22 20:47	B2E0535	LP	2
Bis(2-chloroisopropyl)ether	< 1710	1710		ug/Kg dry	145	05/19/22 20:47	B2E0535	LP	2
Bis(2-ethylhexyl)phthalate	< 428	428		ug/Kg dry	72.5	05/19/22 20:47	B2E0535	LP	2
Butyl benzyl phthalate	< 128	128		ug/Kg dry	17.7	05/19/22 20:47	B2E0535	LP	2
Carbazole	< 42.8	42.8		ug/Kg dry	7.22	05/19/22 20:47	B2E0535	LP	2
Chrysene	1700	42.8		ug/Kg dry	6.82	05/19/22 20:47	B2E0535	LP	2
Dibenzo(a,h)anthracene	321	64.2		ug/Kg dry	26.0	05/19/22 20:47	B2E0535	LP	2
Dibenzofuran	< 64.2	64.2		ug/Kg dry	9.53	05/19/22 20:47	B2E0535	LP	2
Diethyl phthalate	< 428	428		ug/Kg dry	73.9	05/19/22 20:47	B2E0535	LP	2
Dimethyl phthalate	< 42.8	42.8		ug/Kg dry	8.59	05/19/22 20:47	B2E0535	LP	2
Di-n-butyl phthalate	< 128	128		ug/Kg dry	23.8	05/19/22 20:47	B2E0535	LP	2
Di-n-octyl phthalate	< 64.2	64.2		ug/Kg dry	15.7	05/19/22 20:47	B2E0535	LP	2
Fluoranthene	1710	64.2		ug/Kg dry	13.9	05/19/22 20:47	B2E0535	LP	2
Fluorene	< 42.8	42.8		ug/Kg dry	8.43	05/19/22 20:47	B2E0535	LP	2
Hexachlorobenzene	< 42.8	42.8		ug/Kg dry	8.24	05/19/22 20:47	B2E0535	LP	2
Hexachlorobutadiene	< 85.6	85.6		ug/Kg dry	13.2	05/19/22 20:47	B2E0535	LP	2
Hexachlorocyclopentadiene	< 1100	1100		ug/Kg dry	161	05/19/22 20:47	B2E0535	LP	2
Hexachloroethane	< 85.6	85.6		ug/Kg dry	11.7	05/19/22 20:47	B2E0535	LP	2
Indeno(1,2,3-cd)pyrene	1290	64.2		ug/Kg dry	17.0	05/19/22 20:47	B2E0535	LP	2
Isophorone	< 64.2	64.2		ug/Kg dry	8.19	05/19/22 20:47	B2E0535	LP	2
Naphthalene	< 64.2	64.2		ug/Kg dry	12.3	05/19/22 20:47	B2E0535	LP	2
Nitrobenzene	< 85.6	85.6		ug/Kg dry	11.1	05/19/22 20:47	B2E0535	LP	2
N-Nitrosodimethylamine	< 85.6	85.6		ug/Kg dry	16.2	05/19/22 20:47	B2E0535	LP	2
N-Nitrosodi-n-propylamine	< 20.1	20.1		ug/Kg dry	20.1	05/19/22 20:47	B2E0535	LP	2
N-Nitrosodiphenylamine	< 64.2	64.2		ug/Kg dry	14.8	05/19/22 20:47	B2E0535	LP	2
Pentachlorophenol	< 115	115		ug/Kg dry	115	05/19/22 20:47	B2E0535	LP	2
Phenanthrene	483	64.2		ug/Kg dry	11.1	05/19/22 20:47	B2E0535	LP	2
Phenol	< 85.6	85.6		ug/Kg dry	11.8	05/19/22 20:47	B2E0535	LP	2
Pyrene	1770	64.2		ug/Kg dry	11.8	05/19/22 20:47	B2E0535	LP	2
Surrogate: 2-Fluorophenol				Recovery: 48%	Limits: 10-101	05/19/22 20:47	B2E0535	LP	2
Surrogate: Phenol-d5				Recovery: 55%	Limits: 10-110	05/19/22 20:47	B2E0535	LP	2
Surrogate: Nitrobenzene-d5				Recovery: 59%	Limits: 16-114	05/19/22 20:47	B2E0535	LP	2
Surrogate: 2-Fluorobiphenyl				Recovery: 71%	Limits: 15-117	05/19/22 20:47	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-105
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-06 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 67%		Limits: 10-118	05/19/22 20:47	B2E0535	LP	2
Surrogate: 4-Terphenyl-d14			Recovery: 96%		Limits: 12-144	05/19/22 20:47	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-106
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-07

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.31	1.31			mg/Kg dry	0.526	05/19/22 21:43	B2E0566	CS2	1
Arsenic	< 1.31	1.31			mg/Kg dry	0.379	05/19/22 21:43	B2E0566	CS2	1
Barium	23.9	1.31			mg/Kg dry	0.205	05/19/22 21:43	B2E0566	CS2	1
Beryllium	< 0.131	0.131			mg/Kg dry	0.0316	05/19/22 21:43	B2E0566	CS2	1
Cadmium	0.216	0.131			mg/Kg dry	0.0263	05/19/22 21:43	B2E0566	CS2	1
Chromium	5.86	1.31			mg/Kg dry	0.363	05/19/22 21:43	B2E0566	CS2	1
Cobalt	1.34	1.31			mg/Kg dry	0.205	05/19/22 21:43	B2E0566	CS2	1
Copper	5.08	1.31			mg/Kg dry	0.310	05/19/22 21:43	B2E0566	CS2	1
Iron	10000	657			mg/Kg dry	316	05/19/22 20:29	B2E0566	CS2	100
Lead	17.9	1.31			mg/Kg dry	0.316	05/19/22 21:43	B2E0566	CS2	1
Manganese	182	1.31			mg/Kg dry	0.221	05/19/22 21:43	B2E0566	CS2	1
Nickel	4.56	1.31			mg/Kg dry	0.231	05/19/22 21:43	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.379	05/19/22 21:43	B2E0566	CS2	1
Silver	< 1.31	1.31			mg/Kg dry	0.263	05/19/22 21:43	B2E0566	CS2	1
Thallium	< 1.31	1.31			mg/Kg dry	0.505	05/19/22 21:43	B2E0566	CS2	1
Vanadium	3.40	1.31			mg/Kg dry	0.179	05/19/22 21:43	B2E0566	CS2	1
Zinc	29.8	5.26			mg/Kg dry	1.13	05/19/22 21:43	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	0.0250	0.0250	J3	mg/L	0.00300	05/19/22 18:51	B2E0641	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250		mg/L	0.00200	05/19/22 18:51	B2E0641	KJ1	5
Barium, TCLP	0.109	0.0250		mg/L	0.00200	05/19/22 18:51	B2E0641	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250		mg/L	0.000500	05/19/22 18:51	B2E0641	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250		mg/L	0.000500	05/19/22 18:51	B2E0641	KJ1	5
Chromium, TCLP	< 0.0250	0.0250		mg/L	0.00250	05/19/22 18:51	B2E0641	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250		mg/L	0.00300	05/19/22 18:51	B2E0641	KJ1	5
Copper, TCLP	0.0250	0.0250		mg/L	0.00250	05/19/22 18:51	B2E0641	KJ1	5
Lead, TCLP	< 0.00750	0.00750		mg/L	0.00150	05/19/22 18:51	B2E0641	KJ1	5
Manganese, TCLP	1.06	0.0250		mg/L	0.00250	05/19/22 18:51	B2E0641	KJ1	5
Nickel, TCLP	< 0.0250	0.0250		mg/L	0.00250	05/19/22 18:51	B2E0641	KJ1	5
Selenium, TCLP	< 0.0250	0.0250		mg/L	0.00300	05/19/22 18:51	B2E0641	KJ1	5
Silver, TCLP	< 0.00250	0.00250		mg/L	0.000400	05/19/22 18:51	B2E0641	KJ1	5
Thallium, TCLP	< 0.0250	0.0250	J3	mg/L	0.000400	05/19/22 18:51	B2E0641	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250	J3	mg/L	0.00150	05/19/22 18:51	B2E0641	KJ1	5
Zinc, TCLP	25.3	0.250		mg/L	0.100	05/23/22 11:07	B2E0641	KJ1	50

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-106
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-07 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/24/22 14:21	B2E0772	TB2	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.031	05/19/22 14:30	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	87.1	0.100		% (Percent)	0.0240	05/18/22 07:05	B2E0563	MKP	1
Method: SW9045C									
pH	8.36			pH Units		05/19/22 13:24	B2E0632	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.96	8.96		ug/Kg dry	1.70	05/26/22 23:55	B2E0830	kp2	1
4,4'-DDE	< 4.48	4.48		ug/Kg dry	0.264	05/26/22 23:55	B2E0830	kp2	1
4,4'-DDT	< 8.96	8.96	S1	ug/Kg dry	2.20	05/26/22 23:55	B2E0830	kp2	1
Aldrin	< 4.48	4.48		ug/Kg dry	0.665	05/26/22 23:55	B2E0830	kp2	1
alpha-BHC	< 0.500	0.500		ug/Kg dry	0.361	05/26/22 23:55	B2E0830	kp2	1
alpha-Chlordane	< 4.48	4.48		ug/Kg dry	0.791	05/26/22 23:38	B2E0830	kp2	1
beta-BHC	< 8.96	8.96		ug/Kg dry	1.25	05/26/22 23:55	B2E0830	kp2	1
delta BHC	2.24	2.24		ug/Kg dry	0.508	05/26/22 23:38	B2E0830	kp2	1
Dieldrin	< 4.00	4.00		ug/Kg dry	0.696	05/26/22 23:38	B2E0830	kp2	1
Endosulfan I	< 4.48	4.48		ug/Kg dry	1.07	05/26/22 23:38	B2E0830	kp2	1
Endosulfan II	< 4.48	4.48		ug/Kg dry	1.02	05/26/22 23:38	B2E0830	kp2	1
Endosulfan sulfate	< 8.96	8.96		ug/Kg dry	1.18	05/26/22 23:55	B2E0830	kp2	1
Endrin	< 4.48	4.48		ug/Kg dry	0.807	05/26/22 23:38	B2E0830	kp2	1
Endrin aldehyde	< 8.96	8.96		ug/Kg dry	1.30	05/26/22 23:38	B2E0830	kp2	1
Endrin ketone	< 8.96	8.96		ug/Kg dry	1.38	05/26/22 23:38	B2E0830	kp2	1
gamma-BHC	< 4.48	4.48		ug/Kg dry	0.325	05/26/22 23:55	B2E0830	kp2	1
gamma-Chlordane	< 8.96	8.96		ug/Kg dry	1.92	05/26/22 23:38	B2E0830	kp2	1
Heptachlor	< 8.96	8.96		ug/Kg dry	1.27	05/26/22 23:38	B2E0830	kp2	1
Heptachlor epoxide	< 8.96	8.96		ug/Kg dry	1.23	05/26/22 23:38	B2E0830	kp2	1
Methoxychlor	< 8.96	8.96		ug/Kg dry	2.15	05/26/22 23:38	B2E0830	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 80%	Limits: 23-110	05/26/22 23:38	B2E0830	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 76%	Limits: 32-109	05/26/22 23:55	B2E0830	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.224	0.224		mg/Kg dry	0.0425	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1221	< 0.336	0.336		mg/Kg dry	0.0907	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1232	< 0.336	0.336		mg/Kg dry	0.0683	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1242	< 0.336	0.336		mg/Kg dry	0.0739	05/26/22 13:07	B2E0829	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-106
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-07 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.336	0.336	mg/Kg dry	0.0683	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1254	< 0.224	0.224	mg/Kg dry	0.0369	05/26/22 13:07	B2E0829	CS2	1
Aroclor 1260	< 0.224	0.224	mg/Kg dry	0.0481	05/26/22 13:07	B2E0829	CS2	1
Total PCB	< 0.336	0.336	mg/Kg dry	0.0907	05/26/22 13:07	B2E0829	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 72%	Limits: 10-127	05/26/22 13:07	B2E0829	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 57%	Limits: 11-119	05/26/22 13:07	B2E0829	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 111	111	ug/Kg dry	20.6	05/26/22 15:54	B2E0820	CG1	1
2,4,5-TP (Silvex)	< 223	223	ug/Kg dry	30.7	05/26/22 15:54	B2E0820	CG1	1
2,4-D	< 223	223	ug/Kg dry	19.8	05/26/22 15:54	B2E0820	CG1	1
2,4-DB	< 111	111	ug/Kg dry	15.1	05/27/22 00:58	B2E0820	CG1	1
Dalapon	< 850	850	ug/Kg dry	683	05/26/22 15:54	B2E0820	CG1	1
Dicamba	< 223	223	ug/Kg dry	38.7	05/27/22 00:58	B2E0820	CG1	1
Dichlorprop	< 111	111	ug/Kg dry	18.1	05/26/22 15:54	B2E0820	CG1	1
Dinoseb	< 223	223	ug/Kg dry	47.7	05/26/22 15:54	B2E0820	CG1	1
MCPA	< 111	111	ug/Kg dry	16.4	05/26/22 15:54	B2E0820	CG1	1
MCPP	< 111	111	ug/Kg dry	20.4	05/26/22 15:54	B2E0820	CG1	1
Pentachlorophenol	< 223	223	ug/Kg dry	53.2	05/27/22 00:58	B2E0820	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 79%	Limits: 10-116	05/26/22 15:54	B2E0820	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.50	1.50	ug/Kg dry	0.304	05/19/22 19:44	B2E0691	KS1	1
1,1,1-Trichloroethane	< 1.50	1.50	ug/Kg dry	0.308	05/19/22 19:44	B2E0691	KS1	1
1,1,2,2-Tetrachloroethane	< 1.50	1.50	ug/Kg dry	0.268	05/19/22 19:44	B2E0691	KS1	1
1,1,2-Trichloroethane	< 1.50	1.50	ug/Kg dry	0.330	05/19/22 19:44	B2E0691	KS1	1
1,1-Dichloroethane	< 3.00	3.00	ug/Kg dry	0.408	05/19/22 19:44	B2E0691	KS1	1
1,1-Dichloroethene	< 1.50	1.50	ug/Kg dry	0.326	05/19/22 19:44	B2E0691	KS1	1
1,1-Dichloropropene	< 15.0	15.0	ug/Kg dry	2.13	05/19/22 19:44	B2E0691	KS1	1
1,2,3-Trichlorobenzene	< 30.0	30.0	ug/Kg dry	4.87	05/19/22 19:44	B2E0691	KS1	1
1,2,3-Trichloropropane	< 15.0	15.0	ug/Kg dry	2.88	05/19/22 19:44	B2E0691	KS1	1
1,2,4-Trichlorobenzene	< 30.0	30.0	ug/Kg dry	4.78	05/19/22 19:44	B2E0691	KS1	1
1,2,4-Trimethylbenzene	< 6.01	6.01	ug/Kg dry	0.809	05/19/22 19:44	B2E0691	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.25	05/19/22 19:44	B2E0691	KS1	1
1,2-Dibromoethane	< 1.50	1.50	ug/Kg dry	0.204	05/19/22 19:44	B2E0691	KS1	1
1,2-Dichloroethane	< 1.50	1.50	ug/Kg dry	0.309	05/19/22 19:44	B2E0691	KS1	1
1,2-Dichloropropane	< 1.50	1.50	ug/Kg dry	0.363	05/19/22 19:44	B2E0691	KS1	1
1,3,5-Trimethylbenzene	< 3.00	3.00	ug/Kg dry	0.751	05/19/22 19:44	B2E0691	KS1	1
1,3-Dichloropropane	< 1.50	1.50	ug/Kg dry	0.336	05/19/22 19:44	B2E0691	KS1	1
2,2-Dichloropropane	< 1.50	1.50	ug/Kg dry	0.249	05/19/22 19:44	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-106
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-07 (Continued)

Analyses	Result	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual	Units					
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5035 (Continued)									
2-Butanone	< 21.0	21.0		ug/Kg dry	5.12	05/19/22 19:44	B2E0691	KS1	1
2-Chlorotoluene	< 3.00	3.00		ug/Kg dry	0.659	05/19/22 19:44	B2E0691	KS1	1
2-Hexanone	< 21.0	21.0		ug/Kg dry	3.99	05/19/22 19:44	B2E0691	KS1	1
4-Chlorotoluene	< 3.00	3.00		ug/Kg dry	0.658	05/19/22 19:44	B2E0691	KS1	1
4-Isopropyltoluene	< 6.01	6.01		ug/Kg dry	0.880	05/19/22 19:44	B2E0691	KS1	1
4-Methyl-2-pentanone	< 21.0	21.0		ug/Kg dry	3.06	05/19/22 19:44	B2E0691	KS1	1
Acetone	< 52.6	52.6		ug/Kg dry	9.09	05/19/22 19:44	B2E0691	KS1	1
Benzene	< 1.50	1.50		ug/Kg dry	0.216	05/19/22 19:44	B2E0691	KS1	1
Bromobenzene	< 3.00	3.00		ug/Kg dry	0.422	05/19/22 19:44	B2E0691	KS1	1
Bromochloromethane	< 3.00	3.00		ug/Kg dry	0.527	05/19/22 19:44	B2E0691	KS1	1
Bromodichloromethane	< 1.50	1.50		ug/Kg dry	0.362	05/19/22 19:44	B2E0691	KS1	1
Bromoform	< 3.00	3.00		ug/Kg dry	0.473	05/19/22 19:44	B2E0691	KS1	1
Bromomethane	< 15.0	15.0		ug/Kg dry	1.81	05/19/22 19:44	B2E0691	KS1	1
Carbon disulfide	< 3.00	3.00		ug/Kg dry	0.452	05/19/22 19:44	B2E0691	KS1	1
Carbon tetrachloride	< 15.0	15.0		ug/Kg dry	2.10	05/19/22 19:44	B2E0691	KS1	1
Chlorobenzene	< 3.00	3.00		ug/Kg dry	0.391	05/19/22 19:44	B2E0691	KS1	1
Chloroethane	< 6.01	6.01		ug/Kg dry	1.06	05/19/22 19:44	B2E0691	KS1	1
Chloroform	< 3.00	3.00		ug/Kg dry	0.549	05/19/22 19:44	B2E0691	KS1	1
Chloromethane	6.01	6.01		ug/Kg dry	1.10	05/19/22 19:44	B2E0691	K 1	1
cis-1,2-Dichloroethene	< 3.00	3.00		ug/Kg dry	0.429	05/19/22 19:44	B2E0691	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.520	05/19/22 19:44	B2E0691	KS1	1
Dibromochloromethane	< 1.50	1.50		ug/Kg dry	0.357	05/19/22 19:44	B2E0691	KS1	1
Dibromomethane	< 1.50	1.50		ug/Kg dry	0.275	05/19/22 19:44	B2E0691	KS1	1
Dichlorodifluoromethane	7.51	7.51		ug/Kg dry	0.909	05/19/22 19:44	B2E0691	K 1	1
Ethylbenzene	< 6.01	6.01		ug/Kg dry	0.777	05/19/22 19:44	B2E0691	KS1	1
Isopropylbenzene	< 3.00	3.00		ug/Kg dry	0.746	05/19/22 19:44	B2E0691	KS1	1
m,p-Xylene	< 6.01	6.01		ug/Kg dry	1.22	05/19/22 19:44	B2E0691	KS1	1
Methyl tert-butyl ether	< 1.50	1.50		ug/Kg dry	0.251	05/19/22 19:44	B2E0691	KS1	1
Methylene chloride	< 15.0	15.0		ug/Kg dry	2.95	05/19/22 19:44	B2E0691	KS1	1
n-Butylbenzene	< 15.0	15.0		ug/Kg dry	2.15	05/19/22 19:44	B2E0691	KS1	1
n-Propylbenzene	< 3.00	3.00		ug/Kg dry	0.719	05/19/22 19:44	B2E0691	KS1	1
o-Xylene	< 6.01	6.01		ug/Kg dry	0.767	05/19/22 19:44	B2E0691	KS1	1
sec-Butylbenzene	< 3.00	3.00		ug/Kg dry	0.737	05/19/22 19:44	B2E0691	KS1	1
Styrene	< 6.01	6.01		ug/Kg dry	0.824	05/19/22 19:44	B2E0691	KS1	1
tert-Butylbenzene	< 3.00	3.00		ug/Kg dry	0.285	05/19/22 19:44	B2E0691	KS1	1
Tetrachloroethene	< 3.00	3.00		ug/Kg dry	0.439	05/19/22 19:44	B2E0691	KS1	1
Toluene	< 1.50	1.50		ug/Kg dry	0.272	05/19/22 19:44	B2E0691	KS1	1
trans-1,2-Dichloroethene	< 3.00	3.00		ug/Kg dry	0.695	05/19/22 19:44	B2E0691	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.615	05/19/22 19:44	B2E0691	KS1	1
Trichloroethene	< 1.50	1.50		ug/Kg dry	0.365	05/19/22 19:44	B2E0691	KS1	1
Trichlorofluoromethane	< 1.50	1.50		ug/Kg dry	0.311	05/19/22 19:44	B2E0691	KS1	1
Vinyl acetate	< 3.00	3.00		ug/Kg dry	0.383	05/19/22 19:44	B2E0691	KS1	1
Vinyl chloride	< 3.00	3.00		ug/Kg dry	0.537	05/19/22 19:44	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-106
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-07 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual						
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5035 (Continued)									
Xylenes, Total	< 9.01	9.01		ug/Kg dry	1.92	05/19/22 19:44	B2E0691	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00		ug/Kg dry	0.473	05/19/22 19:44	B2E0691	KS1	1
Surrogate: Dibromofluoromethane				Recovery: 105%	Limits: 80-141	05/19/22 19:44	B2E0691	KS1	1
Surrogate: 1,2-Dichloroethane-d4				Recovery: 115%	Limits: 79-150	05/19/22 19:44	B2E0691	KS1	1
Surrogate: Fluorobenzene				Recovery: 99%	Limits: 88-111	05/19/22 19:44	B2E0691	KS1	1
Surrogate: Toluene-d8				Recovery: 106%	Limits: 78-121	05/19/22 19:44	B2E0691	KS1	1
Surrogate: 4-Bromofluorobenzene				Recovery: 102%	Limits: 82-137	05/19/22 19:44	B2E0691	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4				Recovery: 107%	Limits: 81-135	05/19/22 19:44	B2E0691	KS1	1
Semivolatile Organic Compounds by GC/MS									
Method: SW8270D / SW3550									
1,2,4-Trichlorobenzene	< 67.7	67.7		ug/Kg dry	12.8	05/19/22 21:13	B2E0535	LP	2
1,2-Dichlorobenzene	< 67.7	67.7		ug/Kg dry	11.7	05/19/22 21:13	B2E0535	LP	2
1,3-Dichlorobenzene	< 67.7	67.7		ug/Kg dry	11.2	05/19/22 21:13	B2E0535	LP	2
1,4-Dichlorobenzene	< 67.7	67.7		ug/Kg dry	10.7	05/19/22 21:13	B2E0535	LP	2
1-Methylnaphthalene	67.7	67.7		ug/Kg dry	12.7	05/19/22 21:13	B2E0535	LP	2
2,4,5-Trichlorophenol	< 45.1	45.1		ug/Kg dry	8.02	05/19/22 21:13	B2E0535	LP	2
2,4,6-Trichlorophenol	< 45.1	45.1		ug/Kg dry	14.9	05/19/22 21:13	B2E0535	LP	2
2,4-Dichlorophenol	< 45.1	45.1		ug/Kg dry	7.22	05/19/22 21:13	B2E0535	LP	2
2,4-Dimethylphenol	< 135	135		ug/Kg dry	9.31	05/19/22 21:13	B2E0535	LP	2
2,4-Dinitrophenol	< 1130	1130		ug/Kg dry	153	05/19/22 21:13	B2E0535	LP	2
2,4-Dinitrotoluene	< 67.7	67.7		ug/Kg dry	14.9	05/19/22 21:13	B2E0535	LP	2
2,6-Dinitrotoluene	< 45.1	45.1		ug/Kg dry	8.03	05/19/22 21:13	B2E0535	LP	2
2-Chloronaphthalene	< 45.1	45.1		ug/Kg dry	9.59	05/19/22 21:13	B2E0535	LP	2
2-Chlorophenol	< 45.1	45.1		ug/Kg dry	10.1	05/19/22 21:13	B2E0535	LP	2
2-Methylnaphthalene	< 67.7	67.7		ug/Kg dry	11.0	05/19/22 21:13	B2E0535	LP	2
2-Methylphenol	< 22.6	22.6		ug/Kg dry	5.18	05/19/22 21:13	B2E0535	LP	2
2-Nitroaniline	< 67.7	67.7		ug/Kg dry	13.7	05/19/22 21:13	B2E0535	LP	2
2-Nitrophenol	< 67.7	67.7		ug/Kg dry	18.9	05/19/22 21:13	B2E0535	LP	2
3,3'-Dichlorobenzidine	< 271	271		ug/Kg dry	43.0	05/19/22 21:13	B2E0535	LP	2
3 & 4-Me hylphenol	< 90.3	90.3		ug/Kg dry	17.6	05/19/22 21:13	B2E0535	LP	2
3-Nitroaniline	< 67.7	67.7		ug/Kg dry	24.0	05/19/22 21:13	B2E0535	LP	2
4,6-Dinitro-2-methylphenol	< 1810	1810		ug/Kg dry	266	05/19/22 21:13	B2E0535	LP	2
4-Bromophenyl-phenylether	< 67.7	67.7		ug/Kg dry	12.0	05/19/22 21:13	B2E0535	LP	2
4-Chloro-3-methylphenol	< 45.1	45.1		ug/Kg dry	6.19	05/19/22 21:13	B2E0535	LP	2
4-Chloroaniline	< 67.7	67.7		ug/Kg dry	10.8	05/19/22 21:13	B2E0535	LP	2
4-Chlorophenyl-phenylether	< 67.7	67.7		ug/Kg dry	11.4	05/19/22 21:13	B2E0535	LP	2
4-Nitroaniline	< 90.3	90.3		ug/Kg dry	8.96	05/19/22 21:13	B2E0535	LP	2
4-Nitrophenol	< 1810	1810		ug/Kg dry	299	05/19/22 21:13	B2E0535	LP	2
Acenaphthene	52.7	45.1		ug/Kg dry	9.06	05/19/22 21:13	B2E0535	LP	2
Acenaphthylene	209	45.1		ug/Kg dry	10.2	05/19/22 21:13	B2E0535	LP	2
Anthracene	486	67.7		ug/Kg dry	13.0	05/19/22 21:13	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-106
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-07 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Azobenzene as 1,2-Diphenylhydrazine	< 45.1	45.1		ug/Kg dry	6.45	05/19/22 21:13	B2E0535	LP	2
Benzidine	< 383	383		ug/Kg dry	383	05/19/22 21:13	B2E0535	LP	2
Benzo(a)anthracene	1590	67.7		ug/Kg dry	11.3	05/19/22 21:13	B2E0535	LP	2
Benzo(a)pyrene	1620	90.0		ug/Kg dry	13.8	05/19/22 21:13	B2E0535	LP	2
Benzo(b)fluoranthene	2050	67.7		ug/Kg dry	18.1	05/19/22 21:13	B2E0535	LP	2
Benzo(g,h,i)perylene	1030	90.3		ug/Kg dry	10.0	05/19/22 21:13	B2E0535	LP	2
Benzo(k)fluoranthene	657	90.3		ug/Kg dry	11.0	05/19/22 21:13	B2E0535	LP	2
Benzoic acid	< 3610	3610		ug/Kg dry	224	05/19/22 21:13	B2E0535	LP	2
Benzyl alcohol	< 67.7	67.7		ug/Kg dry	11.6	05/19/22 21:13	B2E0535	LP	2
Bis(2-chloroethoxy)methane	< 45.1	45.1		ug/Kg dry	9.88	05/19/22 21:13	B2E0535	LP	2
Bis(2-chloroethyl)ether	< 660	660		ug/Kg dry	120	05/19/22 21:13	B2E0535	LP	2
Bis(2-chloroisopropyl)ether	< 1810	1810		ug/Kg dry	152	05/19/22 21:13	B2E0535	LP	2
Bis(2-ethylhexyl)phthalate	571	451		ug/Kg dry	76.4	05/19/22 21:13	B2E0535	LP	2
Butyl benzyl phthalate	< 135	135		ug/Kg dry	18.7	05/19/22 21:13	B2E0535	LP	2
Carbazole	< 45.1	45.1		ug/Kg dry	7.60	05/19/22 21:13	B2E0535	LP	2
Chrysene	1820	45.1		ug/Kg dry	7.19	05/19/22 21:13	B2E0535	LP	2
Dibenzo(a,h)anthracene	296	67.7		ug/Kg dry	27.4	05/19/22 21:13	B2E0535	LP	2
Dibenzofuran	< 67.7	67.7		ug/Kg dry	10.0	05/19/22 21:13	B2E0535	LP	2
Diethyl phthalate	< 451	451		ug/Kg dry	77.9	05/19/22 21:13	B2E0535	LP	2
Dimethyl phthalate	< 45.1	45.1		ug/Kg dry	9.05	05/19/22 21:13	B2E0535	LP	2
Di-n-butyl phthalate	< 135	135		ug/Kg dry	25.1	05/19/22 21:13	B2E0535	LP	2
Di-n-octyl phthalate	< 67.7	67.7		ug/Kg dry	16.5	05/19/22 21:13	B2E0535	LP	2
Fluoranthene	1820	67.7		ug/Kg dry	14.6	05/19/22 21:13	B2E0535	LP	2
Fluorene	63.9	45.1		ug/Kg dry	8.88	05/19/22 21:13	B2E0535	LP	2
Hexachlorobenzene	< 45.1	45.1		ug/Kg dry	8.69	05/19/22 21:13	B2E0535	LP	2
Hexachlorobutadiene	< 90.3	90.3		ug/Kg dry	13.9	05/19/22 21:13	B2E0535	LP	2
Hexachlorocyclopentadiene	< 1100	1100		ug/Kg dry	170	05/19/22 21:13	B2E0535	LP	2
Hexachloroethane	< 90.3	90.3		ug/Kg dry	12.4	05/19/22 21:13	B2E0535	LP	2
Indeno(1,2,3-cd)pyrene	1180	67.7		ug/Kg dry	17.9	05/19/22 21:13	B2E0535	LP	2
Isophorone	< 67.7	67.7		ug/Kg dry	8.63	05/19/22 21:13	B2E0535	LP	2
Naphthalene	< 67.7	67.7		ug/Kg dry	13.0	05/19/22 21:13	B2E0535	LP	2
Nitrobenzene	< 90.3	90.3		ug/Kg dry	11.7	05/19/22 21:13	B2E0535	LP	2
N-Nitrosodimethylamine	< 90.3	90.3		ug/Kg dry	17.1	05/19/22 21:13	B2E0535	LP	2
N-Nitrosodi-n-propylamine	< 21.2	21.2		ug/Kg dry	21.2	05/19/22 21:13	B2E0535	LP	2
N-Nitrosodiphenylamine	< 67.7	67.7		ug/Kg dry	15.6	05/19/22 21:13	B2E0535	LP	2
Pentachlorophenol	< 121	121		ug/Kg dry	121	05/19/22 21:13	B2E0535	LP	2
Phenanthrene	519	67.7		ug/Kg dry	11.7	05/19/22 21:13	B2E0535	LP	2
Phenol	< 90.3	90.3		ug/Kg dry	12.5	05/19/22 21:13	B2E0535	LP	2
Pyrene	2080	67.7		ug/Kg dry	12.4	05/19/22 21:13	B2E0535	LP	2
Surrogate: 2-Fluorophenol				Recovery: 53%	Limits: 10-101	05/19/22 21:13	B2E0535	LP	2
Surrogate: Phenol-d5				Recovery: 60%	Limits: 10-110	05/19/22 21:13	B2E0535	LP	2
Surrogate: Nitrobenzene-d5				Recovery: 64%	Limits: 16-114	05/19/22 21:13	B2E0535	LP	2
Surrogate: 2-Fluorobiphenyl				Recovery: 75%	Limits: 15-117	05/19/22 21:13	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0636

Client Sample ID: BR-2021-106
Report Date: 05/31/2022
Collection Date: 05/16/2022 11:00
Matrix: Solid
Lab ID: 22E0636-07 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 70%		Limits: 10-118	05/19/22 21:13	B2E0535	LP	2
Surrogate: 4-Terphenyl-d14			Recovery: 94%		Limits: 12-144	05/19/22 21:13	B2E0535	LP	2

Analytical Report

Cornelia Marin
Wang Engineering, Inc.
1145 North Main Street
Lombard, IL 60148

May 23, 2022

Work Order: 22E0532

RE: CCDD Project
1294-21-01

Dear Cornelia Marin:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,



Tim Witrzek
Federal Program Manager
847.967.6666
twitrzek@emt.com

Approved for release: 5/21/2022 6:34:11PM

Approved by,



Gerald L. Bagnowski Jr.
Inorganics Manager

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable

State of Illinois, NELAP Accredited Lab No. 100256, Cert No. 1002562021-6



Table of Contents

Cover Letter	1
Sample Summary	3
Case Narrative	4
Client Sample Results	5
Dates Report	47
Quality Control	54
Certified Analyses	91
List of Certifications	97
Qualifiers and Definitions	98
Chain of Custody	99

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BR-2021-110	22E0532-01	Solid	05/12/22 13:00	05/13/22 15:25
BR-2021-107	22E0532-02	Solid	05/12/22 13:00	05/13/22 15:25
BR-2021-109	22E0532-03	Solid	05/12/22 13:00	05/13/22 15:25
BR-2021-108	22E0532-04	Solid	05/12/22 13:00	05/13/22 15:25
BR-2021-003 (3-5ft)	22E0532-05	Solid	05/12/22 15:00	05/13/22 15:25
BR-2021-008 (3-5ft)	22E0532-06	Solid	05/12/22 15:00	05/13/22 15:25

Case Narrative

Client: Wang Engineering, Inc.

Date: 05/23/2022

Project: CCDD Project
1294-21-01

Work Order 22E0532

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

Work Order: 22E0532

The sample were received on 05/13/22 15 25 The temperature of the cooler() at receipt wa

<u>Cooler</u>	<u>Temp C°</u>
Default Cooler	2.0

The samples were received in good condition and were properly preserved.

The Chain of Custody for the associated samples was received but was incomplete. Necessary information was collected from the sample containers.

HPLC

Method 8321

B2E0490-BLK1: 2,4 DB was detected in the method blank. The hit was not confirmed on the confirmation column. The hit in the blank is not 2,4 DB all samples were reported off the confirmation column, other than 22E0532-01. The confirmation re ult wa greater than 40%, the primary column re ult wa reported

Metals

Method 6020

B2E0554-DUP1: Serial Dilution The % RPD Recovery for metals was outside the limits; Dilution test is only applicable for analytes with concentrations > 50X LOQ. No metals were greater than 50 x MRL.

GC Semivolatiles

8081 PEST MW

22E0532-05: The sample was utilized for MS/MSD purposes. A number of compounds recovered and/or had RPD values outside control criteria. As all other pertinent quality indicators were acceptable, the exceedances would be attributed to sample matrix.

GCMS Seimvolatiles

8270D SVOC

22E0532-05: The sample was utilized for MS/MSD purposes. In the MSD benzidine recovered outside control criteria (22% - 110%) at 10%. As all other pertinent quality indicators were acceptable, this exceedance would be attributed to sample matrix.

Client Sample Results

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-110
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-01

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.33	1.33	J2	mg/Kg dry	0.530	05/19/22 20:41	B2E0566	CS2		1
Arsenic	< 1.33	1.33		mg/Kg dry	0.382	05/19/22 20:41	B2E0566	CS2		1
Barium	5.76	1.33	J2	mg/Kg dry	0.207	05/19/22 20:41	B2E0566	CS2		1
Beryllium	< 0.133	0.133		mg/Kg dry	0.0318	05/19/22 20:41	B2E0566	CS2		1
Cadmium	< 0.133	0.133	J2	mg/Kg dry	0.0265	05/19/22 20:41	B2E0566	CS2		1
Chromium	2.98	1.33	J2	mg/Kg dry	0.366	05/19/22 20:41	B2E0566	CS2		1
Cobalt	< 1.33	1.33	J2	mg/Kg dry	0.207	05/19/22 20:41	B2E0566	CS2		1
Copper	< 1.33	1.33		mg/Kg dry	0.313	05/19/22 20:41	B2E0566	CS2		1
Iron	4890	663	J2	mg/Kg dry	318	05/19/22 18:33	B2E0566	CS2		100
Lead	2.27	1.33	J2	mg/Kg dry	0.318	05/19/22 20:41	B2E0566	CS2		1
Manganese	163	1.33	J2	mg/Kg dry	0.223	05/19/22 20:41	B2E0566	CS2		1
Nickel	2.80	1.33	J2	mg/Kg dry	0.233	05/19/22 20:41	B2E0566	CS2		1
Selenium	< 1.30	1.30		mg/Kg dry	0.382	05/19/22 20:41	B2E0566	CS2		1
Silver	< 1.33	1.33		mg/Kg dry	0.265	05/19/22 20:41	B2E0566	CS2		1
Thallium	< 1.33	1.33	J2	mg/Kg dry	0.509	05/19/22 20:41	B2E0566	CS2		1
Vanadium	2.52	1.33	J2	mg/Kg dry	0.180	05/19/22 20:41	B2E0566	CS2		1
Zinc	6.89	5.30	J2	mg/Kg dry	1.14	05/19/22 20:41	B2E0566	CS2		1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250		mg/L	0.00300	05/18/22 15:20	B2E0554	KJ1		5
Arsenic, TCLP	< 0.0250	0.0250		mg/L	0.00200	05/18/22 15:20	B2E0554	KJ1		5
Barium, TCLP	0.119	0.0250		mg/L	0.00200	05/18/22 15:20	B2E0554	KJ1		5
Beryllium, TCLP	< 0.00250	0.00250		mg/L	0.000500	05/18/22 15:20	B2E0554	KJ1		5
Cadmium, TCLP	< 0.00250	0.00250		mg/L	0.000500	05/18/22 15:20	B2E0554	KJ1		5
Chromium, TCLP	< 0.0250	0.0250		mg/L	0.00250	05/18/22 15:20	B2E0554	KJ1		5
Cobalt, TCLP	< 0.0250	0.0250		mg/L	0.00300	05/18/22 15:20	B2E0554	KJ1		5
Copper, TCLP	0.0370	0.0250		mg/L	0.00250	05/18/22 15:20	B2E0554	KJ1		5
Lead, TCLP	< 0.00750	0.00750		mg/L	0.00150	05/18/22 15:20	B2E0554	KJ1		5
Manganese, TCLP	1.61	0.0250		mg/L	0.00250	05/18/22 15:20	B2E0554	KJ1		5
Nickel, TCLP	0.0446	0.0250		mg/L	0.00250	05/18/22 15:20	B2E0554	KJ1		5
Selenium, TCLP	< 0.0250	0.0250		mg/L	0.00300	05/18/22 15:20	B2E0554	KJ1		5
Silver, TCLP	< 0.00250	0.00250		mg/L	0.000400	05/18/22 15:20	B2E0554	KJ1		5
Thallium, TCLP	< 0.0250	0.0250		mg/L	0.000400	05/18/22 15:20	B2E0554	KJ1		5
Vanadium, TCLP	< 0.0250	0.0250		mg/L	0.00150	05/18/22 15:20	B2E0554	KJ1		5
inc, TCLP	0.202	0.0250		mg/L	0.0100	05/18/22 15:20	B2E0554	KJ1		5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-110
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-01 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/18/22 15:31	B2E0596	GSB	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.029	05/16/22 11:43	B2E0486	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	92.4	0.100		% (Percent)	0.0240	05/16/22 05:44	B2E0464	MKP	1
Method: SW9045C									
pH	7.87			pH Units		05/18/22 11:47	B2E0586	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.47	8.47		ug/Kg dry	1.61	05/19/22 21:45	B2E0542	kp2	1
4,4'-DDE	< 4.24	4.24		ug/Kg dry	0.250	05/19/22 21:24	B2E0542	kp2	1
4,4'-DDT	< 8.47	8.47		ug/Kg dry	2.08	05/19/22 21:24	B2E0542	kp2	1
Aldrin	< 4.24	4.24		ug/Kg dry	0.629	05/19/22 21:24	B2E0542	kp2	1
alpha-BHC	< 2.12	2.12		ug/Kg dry	0.342	05/19/22 21:45	B2E0542	kp2	1
alpha-Chlordane	< 4.24	4.24		ug/Kg dry	0.748	05/19/22 21:24	B2E0542	kp2	1
beta-BHC	< 8.47	8.47		ug/Kg dry	1.18	05/19/22 21:45	B2E0542	kp2	1
delta BHC	2.12	2.12		ug/Kg dry	0.480	05/19/22 21:45	B2E0542	kp2	1
Dieldrin	4.96	4.00		ug/Kg dry	0.659	05/19/22 21:45	B2E0542	kp2	1
Endosulfan I	< 4.24	4.24		ug/Kg dry	1.01	05/19/22 21:24	B2E0542	kp2	1
Endosulfan II	< 4.24	4.24		ug/Kg dry	0.962	05/19/22 21:45	B2E0542	kp2	1
Endosulfan sulfate	< 8.47	8.47		ug/Kg dry	1.12	05/19/22 21:45	B2E0542	kp2	1
Endrin	< 4.24	4.24		ug/Kg dry	0.763	05/19/22 21:24	B2E0542	kp2	1
Endrin aldehyde	< 8.47	8.47		ug/Kg dry	1.23	05/19/22 21:45	B2E0542	kp2	1
Endrin ketone	43.4	8.47		ug/Kg dry	1.31	05/19/22 21:45	B2E0542	kp2	1
gamma-BHC	< 4.24	4.24		ug/Kg dry	0.308	05/19/22 21:45	B2E0542	kp2	1
gamma-Chlordane	8.47	8.47		ug/Kg dry	1.81	05/19/22 21:24	B2E0542	kp2	1
Heptachlor	< 8.47	8.47		ug/Kg dry	1.20	05/19/22 21:24	B2E0542	kp2	1
Heptachlor epoxide	< 8.47	8.47		ug/Kg dry	1.16	05/19/22 21:24	B2E0542	kp2	1
Methoxychlor	< 8.47	8.47		ug/Kg dry	2.04	05/19/22 21:24	B2E0542	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 52%	Limits: 23-110	05/19/22 21:24	B2E0542	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 49%	Limits: 32-109	05/19/22 21:24	B2E0542	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.212	0.212		mg/Kg dry	0.0402	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1221	< 0.318	0.318		mg/Kg dry	0.0858	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1232	< 0.318	0.318		mg/Kg dry	0.0646	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1242	< 0.318	0.318		mg/Kg dry	0.0699	05/19/22 17:44	B2E0543	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-110
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.318	0.318	mg/Kg dry	0.0646	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1254	< 0.212	0.212	mg/Kg dry	0.0349	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1260	< 0.212	0.212	mg/Kg dry	0.0455	05/19/22 17:44	B2E0543	CS2	1
Total PCB	< 0.318	0.318	mg/Kg dry	0.0858	05/19/22 17:44	B2E0543	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 62%	Limits: 10-127	05/19/22 17:44	B2E0543	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 44%	Limits: 11-119	05/19/22 17:44	B2E0543	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 515	515	ug/Kg dry	95.3	05/18/22 00:17	B2E0490	CG1	1
2,4,5-TP (Silvex)	< 1030	1030	ug/Kg dry	142	05/18/22 05:21	B2E0490	CG1	1
2,4-D	< 1030	1030	ug/Kg dry	91.7	05/18/22 00:17	B2E0490	CG1	1
2,4-DB	1050	515	B ug/Kg dry	69.7	05/18/22 00:17	B2E0490	CG1	1
Dalapon	< 3160	3160	ug/Kg dry	3160	05/18/22 00:17	B2E0490	CG1	1
Dicamba	< 1030	1030	ug/Kg dry	179	05/18/22 05:21	B2E0490	CG1	1
Dichlorprop	645	515	ug/Kg dry	83.6	05/18/22 05:21	B2E0490	CG1	1
Dinoseb	7060	340	ug/Kg dry	220	05/18/22 00:17	B2E0490	CG1	1
MCPA	< 515	515	ug/Kg dry	75.8	05/18/22 00:17	B2E0490	CG1	1
MCPP	< 515	515	ug/Kg dry	94.4	05/18/22 00:17	B2E0490	CG1	1
Pentachlorophenol	< 1030	1030	ug/Kg dry	246	05/18/22 05:21	B2E0490	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 50%	Limits: 10-116	05/18/22 00:17	B2E0490	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.70	1.70	ug/Kg dry	0.344	05/19/22 16:25	B2E0691	KS1	1
1,1,1-Trichloroethane	< 1.70	1.70	ug/Kg dry	0.348	05/19/22 16:25	B2E0691	KS1	1
1,1,2,2-Tetrachloroethane	< 1.70	1.70	ug/Kg dry	0.303	05/19/22 16:25	B2E0691	KS1	1
1,1,2-Trichloroethane	< 1.70	1.70	ug/Kg dry	0.373	05/19/22 16:25	B2E0691	KS1	1
1,1-Dichloroethane	< 3.40	3.40	ug/Kg dry	0.461	05/19/22 16:25	B2E0691	KS1	1
1,1-Dichloroethene	< 1.70	1.70	ug/Kg dry	0.368	05/19/22 16:25	B2E0691	KS1	1
1,1-Dichloropropene	< 17.0	17.0	ug/Kg dry	2.41	05/19/22 16:25	B2E0691	KS1	1
1,2,3-Trichlorobenzene	< 34.0	34.0	ug/Kg dry	5.50	05/19/22 16:25	B2E0691	KS1	1
1,2,3-Trichloropropane	< 17.0	17.0	ug/Kg dry	3.25	05/19/22 16:25	B2E0691	KS1	1
1,2,4-Trichlorobenzene	< 34.0	34.0	ug/Kg dry	5.40	05/19/22 16:25	B2E0691	KS1	1
1,2,4-Trimethylbenzene	< 6.80	6.80	ug/Kg dry	0.915	05/19/22 16:25	B2E0691	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.41	05/19/22 16:25	B2E0691	KS1	1
1,2-Dibromoethane	< 1.70	1.70	ug/Kg dry	0.231	05/19/22 16:25	B2E0691	KS1	1
1,2-Dichloroethane	< 1.70	1.70	ug/Kg dry	0.349	05/19/22 16:25	B2E0691	KS1	1
1,2-Dichloropropane	1.70	1.70	ug/Kg dry	0.410	05/19/22 16:25	B2E0691	K 1	1
1,3,5-Trimethylbenzene	< 3.40	3.40	ug/Kg dry	0.849	05/19/22 16:25	B2E0691	KS1	1
1,3-Dichloropropane	< 1.70	1.70	ug/Kg dry	0.380	05/19/22 16:25	B2E0691	KS1	1
2,2-Dichloropropane	< 1.70	1.70	ug/Kg dry	0.281	05/19/22 16:25	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-110
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
2-Butanone	< 23.8	23.8	ug/Kg dry	5.79	05/19/22 16:25	B2E0691	KS1	1
2-Chlorotoluene	< 3.40	3.40	ug/Kg dry	0.745	05/19/22 16:25	B2E0691	KS1	1
2-Hexanone	< 23.8	23.8	ug/Kg dry	4.51	05/19/22 16:25	B2E0691	KS1	1
4-Chlorotoluene	< 3.40	3.40	ug/Kg dry	0.744	05/19/22 16:25	B2E0691	KS1	1
4-Isopropyltoluene	< 6.80	6.80	ug/Kg dry	0.995	05/19/22 16:25	B2E0691	KS1	1
4-Methyl-2-pentanone	< 23.8	23.8	ug/Kg dry	3.47	05/19/22 16:25	B2E0691	KS1	1
Acetone	< 59.5	59.5	ug/Kg dry	10.3	05/19/22 16:25	B2E0691	KS1	1
Benzene	1.90	1.70	ug/Kg dry	0.245	05/19/22 16:25	B2E0691	KS1	1
Bromobenzene	< 3.40	3.40	ug/Kg dry	0.478	05/19/22 16:25	B2E0691	KS1	1
Bromochloromethane	< 3.40	3.40	ug/Kg dry	0.596	05/19/22 16:25	B2E0691	KS1	1
Bromodichloromethane	< 1.70	1.70	ug/Kg dry	0.409	05/19/22 16:25	B2E0691	KS1	1
Bromoform	< 3.40	3.40	ug/Kg dry	0.535	05/19/22 16:25	B2E0691	KS1	1
Bromomethane	< 17.0	17.0	ug/Kg dry	2.04	05/19/22 16:25	B2E0691	KS1	1
Carbon disulfide	< 3.40	3.40	ug/Kg dry	0.511	05/19/22 16:25	B2E0691	KS1	1
Carbon tetrachloride	< 17.0	17.0	ug/Kg dry	2.37	05/19/22 16:25	B2E0691	KS1	1
Chlorobenzene	< 3.40	3.40	ug/Kg dry	0.442	05/19/22 16:25	B2E0691	KS1	1
Chloroethane	< 6.80	6.80	ug/Kg dry	1.20	05/19/22 16:25	B2E0691	KS1	1
Chloroform	< 3.40	3.40	ug/Kg dry	0.621	05/19/22 16:25	B2E0691	KS1	1
Chloromethane	< 6.80	6.80	ug/Kg dry	1.24	05/19/22 16:25	B2E0691	KS1	1
cis-1,2-Dichloroethene	< 3.40	3.40	ug/Kg dry	0.485	05/19/22 16:25	B2E0691	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.588	05/19/22 16:25	B2E0691	KS1	1
Dibromochloromethane	< 1.70	1.70	ug/Kg dry	0.404	05/19/22 16:25	B2E0691	KS1	1
Dibromomethane	< 1.70	1.70	ug/Kg dry	0.311	05/19/22 16:25	B2E0691	KS1	1
Dichlorodifluoromethane	< 8.50	8.50	ug/Kg dry	1.03	05/19/22 16:25	B2E0691	KS1	1
Ethylbenzene	< 6.80	6.80	ug/Kg dry	0.879	05/19/22 16:25	B2E0691	KS1	1
Isopropylbenzene	3.40	3.40	ug/Kg dry	0.844	05/19/22 16:25	B2E0691	K 1	1
m,p-Xylene	< 6.80	6.80	ug/Kg dry	1.37	05/19/22 16:25	B2E0691	KS1	1
Methyl tert-butyl ether	< 1.70	1.70	ug/Kg dry	0.284	05/19/22 16:25	B2E0691	KS1	1
Methylene chloride	< 17.0	17.0	ug/Kg dry	3.34	05/19/22 16:25	B2E0691	KS1	1
n-Butylbenzene	< 17.0	17.0	ug/Kg dry	2.43	05/19/22 16:25	B2E0691	KS1	1
n-Propylbenzene	< 3.40	3.40	ug/Kg dry	0.813	05/19/22 16:25	B2E0691	KS1	1
o-Xylene	< 6.80	6.80	ug/Kg dry	0.868	05/19/22 16:25	B2E0691	KS1	1
sec-Butylbenzene	< 3.40	3.40	ug/Kg dry	0.834	05/19/22 16:25	B2E0691	KS1	1
Styrene	< 6.80	6.80	ug/Kg dry	0.932	05/19/22 16:25	B2E0691	KS1	1
tert-Butylbenzene	< 3.40	3.40	ug/Kg dry	0.323	05/19/22 16:25	B2E0691	KS1	1
Tetrachloroethene	< 3.40	3.40	ug/Kg dry	0.496	05/19/22 16:25	B2E0691	KS1	1
Toluene	< 1.70	1.70	ug/Kg dry	0.307	05/19/22 16:25	B2E0691	KS1	1
trans-1,2-Dichloroethene	< 3.40	3.40	ug/Kg dry	0.786	05/19/22 16:25	B2E0691	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.695	05/19/22 16:25	B2E0691	KS1	1
Trichloroethene	< 1.70	1.70	ug/Kg dry	0.412	05/19/22 16:25	B2E0691	KS1	1
Trichlorofluoromethane	< 1.70	1.70	ug/Kg dry	0.352	05/19/22 16:25	B2E0691	KS1	1
Vinyl acetate	< 3.40	3.40	ug/Kg dry	0.433	05/19/22 16:25	B2E0691	KS1	1
Vinyl chloride	< 3.40	3.40	ug/Kg dry	0.607	05/19/22 16:25	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-110
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 10.2	10.2	ug/Kg dry	2.18	05/19/22 16:25	B2E0691	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.535	05/19/22 16:25	B2E0691	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 109%	Limits: 80-141	05/19/22 16:25	B2E0691	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 112%	Limits: 79-150	05/19/22 16:25	B2E0691	KS1	1
Surrogate: Fluorobenzene			Recovery: 98%	Limits: 88-111	05/19/22 16:25	B2E0691	KS1	1
Surrogate: Toluene-d8			Recovery: 105%	Limits: 78-121	05/19/22 16:25	B2E0691	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 102%	Limits: 82-137	05/19/22 16:25	B2E0691	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 108%	Limits: 81-135	05/19/22 16:25	B2E0691	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 162	162	ug/Kg dry	30.6	05/19/22 16:53	B2E0535	LP	5
1,2-Dichlorobenzene	< 162	162	ug/Kg dry	28.2	05/19/22 16:53	B2E0535	LP	5
1,3-Dichlorobenzene	< 162	162	ug/Kg dry	26.8	05/19/22 16:53	B2E0535	LP	5
1,4-Dichlorobenzene	< 162	162	ug/Kg dry	25.7	05/19/22 16:53	B2E0535	LP	5
1-Methylnaphthalene	< 162	162	ug/Kg dry	30.4	05/19/22 16:53	B2E0535	LP	5
2,4,5-Trichlorophenol	< 108	108	ug/Kg dry	19.2	05/19/22 16:53	B2E0535	LP	5
2,4,6-Trichlorophenol	< 108	108	ug/Kg dry	35.8	05/19/22 16:53	B2E0535	LP	5
2,4-Dichlorophenol	< 108	108	ug/Kg dry	17.3	05/19/22 16:53	B2E0535	LP	5
2,4-Dimethylphenol	< 325	325	ug/Kg dry	22.3	05/19/22 16:53	B2E0535	LP	5
2,4-Dinitrophenol	< 2710	2710	ug/Kg dry	368	05/19/22 16:53	B2E0535	LP	5
2,4-Dinitrotoluene	< 162	162	ug/Kg dry	35.7	05/19/22 16:53	B2E0535	LP	5
2,6-Dinitrotoluene	< 108	108	ug/Kg dry	19.3	05/19/22 16:53	B2E0535	LP	5
2-Chloronaphthalene	< 108	108	ug/Kg dry	23.0	05/19/22 16:53	B2E0535	LP	5
2-Chlorophenol	< 108	108	ug/Kg dry	24.2	05/19/22 16:53	B2E0535	LP	5
2-Methylnaphthalene	< 162	162	ug/Kg dry	26.4	05/19/22 16:53	B2E0535	LP	5
2-Methylphenol	< 54.1	54.1	ug/Kg dry	12.4	05/19/22 16:53	B2E0535	LP	5
2-Nitroaniline	< 162	162	ug/Kg dry	32.9	05/19/22 16:53	B2E0535	LP	5
2-Nitrophenol	< 162	162	ug/Kg dry	45.4	05/19/22 16:53	B2E0535	LP	5
3,3'-Dichlorobenzidine	< 649	649	ug/Kg dry	103	05/19/22 16:53	B2E0535	LP	5
3 & 4 Me hylphenol	216	216	ug/Kg dry	42.2	05/19/22 16:53	B2E0535	LP	5
3-Nitroaniline	< 162	162	ug/Kg dry	57.6	05/19/22 16:53	B2E0535	LP	5
4,6-Dinitro-2-methylphenol	< 4330	4330	ug/Kg dry	638	05/19/22 16:53	B2E0535	LP	5
4-Bromophenyl-phenylether	< 162	162	ug/Kg dry	28.7	05/19/22 16:53	B2E0535	LP	5
4-Chloro-3-methylphenol	< 108	108	ug/Kg dry	14.8	05/19/22 16:53	B2E0535	LP	5
4-Chloroaniline	< 162	162	ug/Kg dry	26.0	05/19/22 16:53	B2E0535	LP	5
4-Chlorophenyl-phenylether	< 162	162	ug/Kg dry	27.4	05/19/22 16:53	B2E0535	LP	5
4-Nitroaniline	< 216	216	ug/Kg dry	21.5	05/19/22 16:53	B2E0535	LP	5
4-Nitrophenol	< 4330	4330	ug/Kg dry	718	05/19/22 16:53	B2E0535	LP	5
Acenaphthene	254	108	ug/Kg dry	21.7	05/19/22 16:53	B2E0535	LP	5
Acenaphthylene	1030	108	ug/Kg dry	24.4	05/19/22 16:53	B2E0535	LP	5
Anthracene	2900	162	ug/Kg dry	31.2	05/19/22 16:53	B2E0535	LP	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-110
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Semivolatile Organic Compounds by GC/MS (Continued)								
Method: SW8270D / SW3550 (Continued)								
Azobenzene as 1,2-Diphenylhydrazine	< 108	108	ug/Kg dry	15.5	05/19/22 16:53	B2E0535	LP	5
Benzidine	< 918	918	ug/Kg dry	918	05/19/22 16:53	B2E0535	LP	5
Benzo(a)anthracene	7390	162	ug/Kg dry	27.1	05/19/22 16:53	B2E0535	LP	5
Benzo(a)pyrene	6910	90.0	ug/Kg dry	33.2	05/19/22 16:53	B2E0535	LP	5
Benzo(b)fluoranthene	9060	162	ug/Kg dry	43.4	05/19/22 16:53	B2E0535	LP	5
Benzo(g,h,i)perylene	4370	216	ug/Kg dry	24.0	05/19/22 16:53	B2E0535	LP	5
Benzo(k)fluoranthene	2310	216	ug/Kg dry	26.4	05/19/22 16:53	B2E0535	LP	5
Benzoic acid	< 8660	8660	ug/Kg dry	538	05/19/22 16:53	B2E0535	LP	5
Benzyl alcohol	< 162	162	ug/Kg dry	27.8	05/19/22 16:53	B2E0535	LP	5
Bis(2-chloroethoxy)methane	< 108	108	ug/Kg dry	23.7	05/19/22 16:53	B2E0535	LP	5
Bis(2-chloroethyl)ether	< 660	660	ug/Kg dry	287	05/19/22 16:53	B2E0535	LP	5
Bis(2-chloroisopropyl)ether	< 2400	2400	ug/Kg dry	365	05/19/22 16:53	B2E0535	LP	5
Bis(2-ethylhexyl)phthalate	< 1080	1080	ug/Kg dry	183	05/19/22 16:53	B2E0535	LP	5
Butyl benzyl phthalate	< 325	325	ug/Kg dry	44.8	05/19/22 16:53	B2E0535	LP	5
Carbazole	272	108	ug/Kg dry	18.2	05/19/22 16:53	B2E0535	LP	5
Chrysene	8690	108	ug/Kg dry	17.2	05/19/22 16:53	B2E0535	LP	5
Dibenzo(a,h)anthracene	1270	162	ug/Kg dry	65.8	05/19/22 16:53	B2E0535	LP	5
Dibenzofuran	< 162	162	ug/Kg dry	24.1	05/19/22 16:53	B2E0535	LP	5
Diethyl phthalate	< 1080	1080	ug/Kg dry	187	05/19/22 16:53	B2E0535	LP	5
Dimethyl phthalate	< 108	108	ug/Kg dry	21.7	05/19/22 16:53	B2E0535	LP	5
Di-n-butyl phthalate	< 325	325	ug/Kg dry	60.2	05/19/22 16:53	B2E0535	LP	5
Di-n-octyl phthalate	< 162	162	ug/Kg dry	39.6	05/19/22 16:53	B2E0535	LP	5
Fluoranthene	9770	162	ug/Kg dry	35.1	05/19/22 16:53	B2E0535	LP	5
Fluorene	292	108	ug/Kg dry	21.3	05/19/22 16:53	B2E0535	LP	5
Hexachlorobenzene	< 108	108	ug/Kg dry	20.8	05/19/22 16:53	B2E0535	LP	5
Hexachlorobutadiene	< 216	216	ug/Kg dry	33.3	05/19/22 16:53	B2E0535	LP	5
Hexachlorocyclopentadiene	< 1100	1100	ug/Kg dry	407	05/19/22 16:53	B2E0535	LP	5
Hexachloroethane	< 216	216	ug/Kg dry	29.7	05/19/22 16:53	B2E0535	LP	5
Indeno(1,2,3-cd)pyrene	5180	162	ug/Kg dry	42.9	05/19/22 16:53	B2E0535	LP	5
Isophorone	< 162	162	ug/Kg dry	20.7	05/19/22 16:53	B2E0535	LP	5
Naphthalene	236	162	ug/Kg dry	31.1	05/19/22 16:53	B2E0535	LP	5
Nitrobenzene	< 216	216	ug/Kg dry	28.1	05/19/22 16:53	B2E0535	LP	5
N-Nitrosodimethylamine	< 216	216	ug/Kg dry	40.9	05/19/22 16:53	B2E0535	LP	5
N-Nitrosodi-n-propylamine	< 50.8	50.8	ug/Kg dry	50.8	05/19/22 16:53	B2E0535	LP	5
N-Nitrosodiphenylamine	< 162	162	ug/Kg dry	37.5	05/19/22 16:53	B2E0535	LP	5
Pentachlorophenol	< 291	291	ug/Kg dry	291	05/19/22 16:53	B2E0535	LP	5
Phenanthrene	2370	162	ug/Kg dry	28.1	05/19/22 16:53	B2E0535	LP	5
Phenol	< 216	216	ug/Kg dry	29.9	05/19/22 16:53	B2E0535	LP	5
Pyrene	9590	162	ug/Kg dry	29.8	05/19/22 16:53	B2E0535	LP	5
Surrogate: 2-Fluorophenol			Recovery: 59%	Limits: 10-101	05/19/22 16:53	B2E0535	LP	5
Surrogate: Phenol-d5			Recovery: 62%	Limits: 10-110	05/19/22 16:53	B2E0535	LP	5
Surrogate: Nitrobenzene-d5			Recovery: 67%	Limits: 16-114	05/19/22 16:53	B2E0535	LP	5
Surrogate: 2-Fluorobiphenyl			Recovery: 80%	Limits: 15-117	05/19/22 16:53	B2E0535	LP	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-110
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-01 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 82%		Limits: 10-118	05/19/22 16:53	B2E0535	LP	5
Surrogate: 4-Terphenyl-d14			Recovery: 86%		Limits: 12-144	05/19/22 16:53	B2E0535	LP	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-107
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-02

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.27	1.27			mg/Kg dry	0.509	05/19/22 20:45	B2E0566	CS2	1
Arsenic	< 1.27	1.27			mg/Kg dry	0.367	05/19/22 20:45	B2E0566	CS2	1
Barium	19.7	1.27			mg/Kg dry	0.199	05/19/22 20:45	B2E0566	CS2	1
Beryllium	< 0.127	0.127			mg/Kg dry	0.0306	05/19/22 20:45	B2E0566	CS2	1
Cadmium	0.306	0.127			mg/Kg dry	0.0255	05/19/22 20:45	B2E0566	CS2	1
Chromium	5.48	1.27			mg/Kg dry	0.351	05/19/22 20:45	B2E0566	CS2	1
Cobalt	< 1.27	1.27			mg/Kg dry	0.199	05/19/22 20:45	B2E0566	CS2	1
Copper	9.68	1.27			mg/Kg dry	0.301	05/19/22 20:45	B2E0566	CS2	1
Iron	8610	637			mg/Kg dry	306	05/19/22 18:37	B2E0566	CS2	100
Lead	14.8	1.27			mg/Kg dry	0.306	05/19/22 20:45	B2E0566	CS2	1
Manganese	154	1.27			mg/Kg dry	0.214	05/19/22 20:45	B2E0566	CS2	1
Nickel	4.22	1.27			mg/Kg dry	0.224	05/19/22 20:45	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.367	05/19/22 20:45	B2E0566	CS2	1
Silver	< 1.27	1.27			mg/Kg dry	0.255	05/19/22 20:45	B2E0566	CS2	1
Thallium	< 1.27	1.27			mg/Kg dry	0.489	05/19/22 20:45	B2E0566	CS2	1
Vanadium	3.13	1.27			mg/Kg dry	0.173	05/19/22 20:45	B2E0566	CS2	1
Zinc	31.9	5.09			mg/Kg dry	1.10	05/19/22 20:45	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:22	B2E0554	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/18/22 15:22	B2E0554	KJ1	5
Barium, TCLP	0.115	0.0250			mg/L	0.00200	05/18/22 15:22	B2E0554	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:22	B2E0554	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:22	B2E0554	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:22	B2E0554	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:22	B2E0554	KJ1	5
Copper, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:22	B2E0554	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/18/22 15:22	B2E0554	KJ1	5
Manganese, TCLP	1.34	0.0250			mg/L	0.00250	05/18/22 15:22	B2E0554	KJ1	5
Nickel, TCLP	0.0289	0.0250			mg/L	0.00250	05/18/22 15:22	B2E0554	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:22	B2E0554	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/18/22 15:22	B2E0554	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/18/22 15:22	B2E0554	KJ1	5
Vanadium, TCLP	0.0250	0.0250			mg/L	0.00150	05/18/22 15:22	B2E0554	KJ1	5
Zinc, TCLP	0.198	0.0250			mg/L	0.0100	05/18/22 15:22	B2E0554	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-107
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-02 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/18/22 15:32	B2E0596	GSB	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.030	05/16/22 11:45	B2E0486	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	87.7	0.100		% (Percent)	0.0240	05/16/22 05:46	B2E0464	MKP	1
Method: SW9045C									
pH	8.15			pH Units		05/18/22 11:47	B2E0586	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.76	8.76		ug/Kg dry	1.66	05/19/22 21:45	B2E0542	kp2	1
4,4'-DDE	< 4.38	4.38		ug/Kg dry	0.258	05/19/22 22:07	B2E0542	kp2	1
4,4'-DDT	< 8.76	8.76		ug/Kg dry	2.15	05/19/22 22:07	B2E0542	kp2	1
Aldrin	< 4.38	4.38		ug/Kg dry	0.650	05/19/22 21:45	B2E0542	kp2	1
alpha-BHC	< 2.19	2.19		ug/Kg dry	0.353	05/19/22 22:07	B2E0542	kp2	1
alpha-Chlordane	< 4.38	4.38		ug/Kg dry	0.774	05/19/22 21:45	B2E0542	kp2	1
beta-BHC	< 8.76	8.76		ug/Kg dry	1.22	05/19/22 22:07	B2E0542	kp2	1
delta BHC	2.19	2.19		ug/Kg dry	0.496	05/19/22 22:07	B2E0542	kp2	1
Dieldrin	< 4.38	4.38		ug/Kg dry	0.681	05/19/22 21:45	B2E0542	kp2	1
Endosulfan I	< 4.38	4.38		ug/Kg dry	1.05	05/19/22 21:45	B2E0542	kp2	1
Endosulfan II	< 4.38	4.38		ug/Kg dry	0.995	05/19/22 21:45	B2E0542	kp2	1
Endosulfan sulfate	< 8.76	8.76		ug/Kg dry	1.15	05/19/22 22:07	B2E0542	kp2	1
Endrin	< 4.38	4.38		ug/Kg dry	0.789	05/19/22 21:45	B2E0542	kp2	1
Endrin aldehyde	< 8.76	8.76		ug/Kg dry	1.28	05/19/22 22:07	B2E0542	kp2	1
Endrin ketone	< 8.76	8.76		ug/Kg dry	1.35	05/19/22 21:45	B2E0542	kp2	1
gamma-BHC	< 4.38	4.38		ug/Kg dry	0.318	05/19/22 22:07	B2E0542	kp2	1
gamma-Chlordane	< 8.76	8.76		ug/Kg dry	1.88	05/19/22 22:07	B2E0542	kp2	1
Heptachlor	< 8.76	8.76		ug/Kg dry	1.24	05/19/22 22:07	B2E0542	kp2	1
Heptachlor epoxide	< 8.76	8.76		ug/Kg dry	1.20	05/19/22 21:45	B2E0542	kp2	1
Methoxychlor	< 8.76	8.76		ug/Kg dry	2.11	05/19/22 21:45	B2E0542	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 58%	Limits: 23-110	05/19/22 21:45	B2E0542	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 56%	Limits: 32-109	05/19/22 21:45	B2E0542	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.219	0.219		mg/Kg dry	0.0416	05/19/22 18:01	B2E0543	CS2	1
Aroclor 1221	< 0.329	0.329		mg/Kg dry	0.0887	05/19/22 18:01	B2E0543	CS2	1
Aroclor 1232	< 0.329	0.329		mg/Kg dry	0.0668	05/19/22 18:01	B2E0543	CS2	1
Aroclor 1242	< 0.329	0.329		mg/Kg dry	0.0723	05/19/22 18:01	B2E0543	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-107
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-02 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.329	0.329	mg/Kg dry	0.0668	05/19/22 18:01	B2E0543	CS2	1
Aroclor 1254	< 0.219	0.219	mg/Kg dry	0.0361	05/19/22 18:01	B2E0543	CS2	1
Aroclor 1260	< 0.219	0.219	mg/Kg dry	0.0471	05/19/22 18:01	B2E0543	CS2	1
Total PCB	< 0.329	0.329	mg/Kg dry	0.0887	05/19/22 18:01	B2E0543	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 56%	Limits: 10-127	05/19/22 18:01	B2E0543	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 46%	Limits: 11-119	05/19/22 18:01	B2E0543	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 223	223	ug/Kg dry	41.3	05/18/22 00:54	B2E0490	CG1	1
2,4,5 TP (ilvex)	446	446	ug/Kg dry	61.4	05/18/22 00:54	B2E0490	CG1	1
2,4-D	< 446	446	ug/Kg dry	39.7	05/18/22 00:54	B2E0490	CG1	1
2,4-DB	< 223	223	ug/Kg dry	30.2	05/18/22 06:17	B2E0490	CG1	1
Dalapon	< 1370	1370	ug/Kg dry	1370	05/18/22 00 54	B2E0490	CG1	1
Dicamba	< 446	446	ug/Kg dry	77.4	05/18/22 06:17	B2E0490	CG1	1
Dichlorprop	223	223	ug/Kg dry	36.2	05/18/22 00:54	B2E0490	CG1	1
Dinoseb	< 340	340	ug/Kg dry	95.4	05/18/22 00:54	B2E0490	CG1	1
MCPA	< 223	223	ug/Kg dry	32.8	05/18/22 00:54	B2E0490	CG1	1
MCPP	< 223	223	ug/Kg dry	40.9	05/18/22 00 54	B2E0490	CG1	1
Pentachlorophenol	< 446	446	ug/Kg dry	107	05/18/22 06:17	B2E0490	CG1	1

Volatile Organic Compounds by GC/MS

Method SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.43	1.43	ug/Kg dry	0.290	05/19/22 01:04	B2E0644	KS1	1
1,1,1-Trichloroethane	< 1.43	1.43	ug/Kg dry	0.293	05/19/22 01:04	B2E0644	KS1	1
1,1,2,2-Tetrachloroethane	< 1.43	1.43	ug/Kg dry	0.255	05/19/22 01:04	B2E0644	KS1	1
1,1,2-Trichloroethane	< 1.43	1.43	ug/Kg dry	0.314	05/19/22 01:04	B2E0644	KS1	1
1,1-Dichloroethane	< 2.86	2.86	ug/Kg dry	0.389	05/19/22 01:04	B2E0644	KS1	1
1,1-Dichloroethene	< 1.43	1.43	ug/Kg dry	0.310	05/19/22 01:04	B2E0644	KS1	1
1,1-Dichloropropene	< 14.3	14.3	ug/Kg dry	2.03	05/19/22 01:04	B2E0644	KS1	1
1,2,3-Trichlorobenzene	< 28.6	28.6	ug/Kg dry	4.64	05/19/22 01:04	B2E0644	KS1	1
1,2,3-Trichloropropane	< 14.3	14.3	ug/Kg dry	2.74	05/19/22 01:04	B2E0644	KS1	1
1,2,4-Trichlorobenzene	< 28.6	28.6	ug/Kg dry	4.55	05/19/22 01:04	B2E0644	KS1	1
1,2,4-Trimethylbenzene	< 5.73	5.73	ug/Kg dry	0.771	05/19/22 01:04	B2E0644	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.19	05/19/22 01:04	B2E0644	KS1	1
1,2-Dibromoethane	< 1.43	1.43	ug/Kg dry	0.195	05/19/22 01:04	B2E0644	KS1	1
1,2-Dichloroethane	< 1.43	1.43	ug/Kg dry	0.294	05/19/22 01:04	B2E0644	KS1	1
1,2-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.346	05/19/22 01:04	B2E0644	KS1	1
1,3,5-Trimethylbenzene	< 2.86	2.86	ug/Kg dry	0.716	05/19/22 01:04	B2E0644	KS1	1
1,3-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.320	05/19/22 01:04	B2E0644	KS1	1
2,2-Dichloropropane	< 1.43	1.43	ug/Kg dry	0.237	05/19/22 01:04	B2E0644	KS1	1
2-Butanone	< 20.1	20.1	ug/Kg dry	4.88	05/19/22 01:04	B2E0644	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-107
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-02 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
2-Chlorotoluene	< 2.86	2.86	ug/Kg dry	0.628	05/19/22 01:04	B2E0644	KS1	1
2-Hexanone	< 20.1	20.1	ug/Kg dry	3.80	05/19/22 01:04	B2E0644	KS1	1
4-Chlorotoluene	< 2.86	2.86	ug/Kg dry	0.628	05/19/22 01:04	B2E0644	KS1	1
4-Isopropyltoluene	< 5.73	5.73	ug/Kg dry	0.839	05/19/22 01:04	B2E0644	KS1	1
4-Methyl-2-pentanone	< 20.1	20.1	ug/Kg dry	2.92	05/19/22 01:04	B2E0644	KS1	1
Acetone	< 50.1	50.1	ug/Kg dry	8.67	05/19/22 01:04	B2E0644	KS1	1
Benzene	< 1.43	1.43	ug/Kg dry	0.206	05/19/22 01:04	B2E0644	KS1	1
Bromobenzene	< 2.86	2.86	ug/Kg dry	0.403	05/19/22 01:04	B2E0644	KS1	1
Bromochloromethane	< 2.86	2.86	ug/Kg dry	0.502	05/19/22 01:04	B2E0644	KS1	1
Bromodichloromethane	< 1.43	1.43	ug/Kg dry	0.345	05/19/22 01:04	B2E0644	KS1	1
Bromoform	< 2.86	2.86	ug/Kg dry	0.451	05/19/22 01:04	B2E0644	KS1	1
Bromomethane	< 14.3	14.3	ug/Kg dry	1.72	05/19/22 01:04	B2E0644	KS1	1
Carbon disulfide	< 2.86	2.86	ug/Kg dry	0.431	05/19/22 01:04	B2E0644	KS1	1
Carbon tetrachloride	< 14.3	14.3	ug/Kg dry	2.00	05/19/22 01:04	B2E0644	KS1	1
Chlorobenzene	< 2.86	2.86	ug/Kg dry	0.372	05/19/22 01:04	B2E0644	KS1	1
Chloroethane	< 5.73	5.73	ug/Kg dry	1.01	05/19/22 01:04	B2E0644	KS1	1
Chloroform	< 2.86	2.86	ug/Kg dry	0.524	05/19/22 01:04	B2E0644	KS1	1
Chloromethane	< 5.73	5.73	ug/Kg dry	1.05	05/19/22 01:04	B2E0644	KS1	1
cis-1,2-Dichloroethene	2.86	2.86	ug/Kg dry	0.409	05/19/22 01:04	B2E0644	K 1	1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.496	05/19/22 01:04	B2E0644	KS1	1
Dibromochloromethane	< 1.43	1.43	ug/Kg dry	0.341	05/19/22 01:04	B2E0644	KS1	1
Dibromomethane	< 1.43	1.43	ug/Kg dry	0.262	05/19/22 01:04	B2E0644	KS1	1
Dichlorodifluoromethane	< 7.16	7.16	ug/Kg dry	0.867	05/19/22 01:04	B2E0644	KS1	1
Ethylbenzene	5.73	5.73	ug/Kg dry	0.741	05/19/22 01:04	B2E0644	K 1	1
Isopropylbenzene	< 2.86	2.86	ug/Kg dry	0.711	05/19/22 01:04	B2E0644	KS1	1
m,p-Xylene	< 5.73	5.73	ug/Kg dry	1.16	05/19/22 01:04	B2E0644	KS1	1
Methyl tert-butyl ether	< 1.43	1.43	ug/Kg dry	0.240	05/19/22 01:04	B2E0644	KS1	1
Methylene chloride	< 14.3	14.3	ug/Kg dry	2.81	05/19/22 01:04	B2E0644	KS1	1
n-Butylbenzene	< 14.3	14.3	ug/Kg dry	2.05	05/19/22 01:04	B2E0644	KS1	1
n-Propylbenzene	< 2.86	2.86	ug/Kg dry	0.685	05/19/22 01:04	B2E0644	KS1	1
o-Xylene	< 5.73	5.73	ug/Kg dry	0.731	05/19/22 01:04	B2E0644	KS1	1
sec-Butylbenzene	< 2.86	2.86	ug/Kg dry	0.703	05/19/22 01:04	B2E0644	KS1	1
Styrene	< 5.73	5.73	ug/Kg dry	0.786	05/19/22 01:04	B2E0644	KS1	1
tert-Butylbenzene	< 2.86	2.86	ug/Kg dry	0.272	05/19/22 01:04	B2E0644	KS1	1
Tetrachloroethene	< 2.86	2.86	ug/Kg dry	0.418	05/19/22 01:04	B2E0644	KS1	1
Toluene	< 1.43	1.43	ug/Kg dry	0.259	05/19/22 01:04	B2E0644	KS1	1
trans-1,2-Dichloroethene	< 2.86	2.86	ug/Kg dry	0.663	05/19/22 01:04	B2E0644	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.586	05/19/22 01:04	B2E0644	KS1	1
Trichloroethene	< 1.43	1.43	ug/Kg dry	0.347	05/19/22 01:04	B2E0644	KS1	1
Trichlorofluoromethane	< 1.43	1.43	ug/Kg dry	0.297	05/19/22 01:04	B2E0644	KS1	1
Vinyl acetate	< 2.86	2.86	ug/Kg dry	0.365	05/19/22 01:04	B2E0644	KS1	1
Vinyl chloride	< 2.86	2.86	ug/Kg dry	0.512	05/19/22 01:04	B2E0644	KS1	1
Xylenes, Total	< 8.59	8.59	ug/Kg dry	1.83	05/19/22 01:04	B2E0644	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-107
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-02 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.451	05/19/22 01:04	B2E0644	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 112%	Limits: 80-141	05/19/22 01:04	B2E0644	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 121%	Limits: 79-150	05/19/22 01:04	B2E0644	KS1	1
Surrogate: Fluorobenzene			Recovery: 100%	Limits: 88-111	05/19/22 01:04	B2E0644	KS1	1
Surrogate: Toluene-d8			Recovery: 102%	Limits: 78-121	05/19/22 01:04	B2E0644	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 102%	Limits: 82-137	05/19/22 01:04	B2E0644	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 104%	Limits: 81-135	05/19/22 01:04	B2E0644	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	67.3	67.3	ug/Kg dry	12.7	05/19/22 17:19	B2E0535	LP	2
1,2-Dichlorobenzene	< 67.3	67.3	ug/Kg dry	11.7	05/19/22 17:19	B2E0535	LP	2
1,3-Dichlorobenzene	< 67.3	67.3	ug/Kg dry	11.1	05/19/22 17:19	B2E0535	LP	2
1,4-Dichlorobenzene	< 67.3	67.3	ug/Kg dry	10.7	05/19/22 17:19	B2E0535	LP	2
1-Methylnaphthalene	< 67.3	67.3	ug/Kg dry	12.6	05/19/22 17:19	B2E0535	LP	2
2,4,5-Trichlorophenol	44.9	44.9	ug/Kg dry	7.97	05/19/22 17:19	B2E0535	LP	2
2,4,6-Trichlorophenol	< 44.9	44.9	ug/Kg dry	14.8	05/19/22 17:19	B2E0535	LP	2
2,4-Dichlorophenol	< 44.9	44.9	ug/Kg dry	7.18	05/19/22 17:19	B2E0535	LP	2
2,4-Dimethylphenol	< 135	135	ug/Kg dry	9.25	05/19/22 17:19	B2E0535	LP	2
2,4-Dinitrophenol	< 1120	1120	ug/Kg dry	152	05/19/22 17:19	B2E0535	LP	2
2,4-Dinitrotoluene	< 67.3	67.3	ug/Kg dry	14.8	05/19/22 17:19	B2E0535	LP	2
2,6-Dinitrotoluene	< 44.9	44.9	ug/Kg dry	7.98	05/19/22 17:19	B2E0535	LP	2
2-Chloronaphthalene	< 44.9	44.9	ug/Kg dry	9.53	05/19/22 17:19	B2E0535	LP	2
2-Chlorophenol	< 44.9	44.9	ug/Kg dry	10.0	05/19/22 17:19	B2E0535	LP	2
2-Methylnaphthalene	< 67.3	67.3	ug/Kg dry	10.9	05/19/22 17:19	B2E0535	LP	2
2-Methylphenol	< 22.4	22.4	ug/Kg dry	5.15	05/19/22 17:19	B2E0535	LP	2
2-Nitroaniline	< 67.3	67.3	ug/Kg dry	13.7	05/19/22 17:19	B2E0535	LP	2
2-Nitrophenol	< 67.3	67.3	ug/Kg dry	18.8	05/19/22 17:19	B2E0535	LP	2
3,3'-Dichlorobenzidine	< 269	269	ug/Kg dry	42.7	05/19/22 17:19	B2E0535	LP	2
3 & 4-Methylphenol	< 89.7	89.7	ug/Kg dry	17.5	05/19/22 17:19	B2E0535	LP	2
3-Nitroaniline	< 67.3	67.3	ug/Kg dry	23.9	05/19/22 17:19	B2E0535	LP	2
4,6-Dinitro-2-methylphenol	< 1790	1790	ug/Kg dry	265	05/19/22 17:19	B2E0535	LP	2
4-Bromophenyl-phenylether	< 67.3	67.3	ug/Kg dry	11.9	05/19/22 17:19	B2E0535	LP	2
4-Chloro-3-methylphenol	< 44.9	44.9	ug/Kg dry	6.15	05/19/22 17:19	B2E0535	LP	2
4-Chloroaniline	< 67.3	67.3	ug/Kg dry	10.8	05/19/22 17:19	B2E0535	LP	2
4-Chlorophenyl-phenylether	< 67.3	67.3	ug/Kg dry	11.4	05/19/22 17:19	B2E0535	LP	2
4-Nitroaniline	< 89.7	89.7	ug/Kg dry	8.90	05/19/22 17:19	B2E0535	LP	2
4-Nitrophenol	< 1790	1790	ug/Kg dry	298	05/19/22 17:19	B2E0535	LP	2
Acenaphthene	50.1	44.9	ug/Kg dry	9.01	05/19/22 17:19	B2E0535	LP	2
Acenaphthylene	186	44.9	ug/Kg dry	10.1	05/19/22 17:19	B2E0535	LP	2
Anthracene	320	67.3	ug/Kg dry	12.9	05/19/22 17:19	B2E0535	LP	2
Azobenzene as 1,2-Diphenylhydrazine	< 44.9	44.9	ug/Kg dry	6.41	05/19/22 17:19	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-107
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-02 (Continued)

Analyses	Result	EMT Reporting		MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual Units					
Semivolatile Organic Compounds by GC/MS (Continued)								
Method: SW8270D / SW3550 (Continued)								
Benzidine	< 380	380	ug/Kg dry	380	05/19/22 17:19	B2E0535	LP	2
Benzo(a)anthracene	1420	67.3	ug/Kg dry	11.3	05/19/22 17:19	B2E0535	LP	2
Benzo(a)pyrene	1460	90.0	ug/Kg dry	13.7	05/19/22 17:19	B2E0535	LP	2
Benzo(b)fluoranthene	2040	67.3	ug/Kg dry	18.0	05/19/22 17:19	B2E0535	LP	2
Benzo(g,h,i)perylene	967	89.7	ug/Kg dry	9.97	05/19/22 17:19	B2E0535	LP	2
Benzo(k)fluoranthene	481	89.7	ug/Kg dry	11.0	05/19/22 17:19	B2E0535	LP	2
Benzoic acid	< 3590	3590	ug/Kg dry	223	05/19/22 17:19	B2E0535	LP	2
Benzyl alcohol	< 67.3	67.3	ug/Kg dry	11.5	05/19/22 17:19	B2E0535	LP	2
Bis(2-chloroethoxy)methane	< 44.9	44.9	ug/Kg dry	9.82	05/19/22 17:19	B2E0535	LP	2
Bis(2-chloroethyl)ether	< 660	660	ug/Kg dry	119	05/19/22 17:19	B2E0535	LP	2
Bis(2-chloroisopropyl)ether	< 1790	1790	ug/Kg dry	151	05/19/22 17:19	B2E0535	LP	2
Bis(2-ethylhexyl)phthalate	< 449	449	ug/Kg dry	75.9	05/19/22 17:19	B2E0535	LP	2
Butyl benzyl phthalate	< 135	135	ug/Kg dry	18.6	05/19/22 17:19	B2E0535	LP	2
Carbazole	< 44.9	44.9	ug/Kg dry	7.56	05/19/22 17:19	B2E0535	LP	2
Chrysene	1620	44.9	ug/Kg dry	7.14	05/19/22 17:19	B2E0535	LP	2
Dibenzo(a,h)anthracene	266	67.3	ug/Kg dry	27.3	05/19/22 17:19	B2E0535	LP	2
Dibenzofuran	< 67.3	67.3	ug/Kg dry	9.98	05/19/22 17:19	B2E0535	LP	2
Diethyl phthalate	< 449	449	ug/Kg dry	77.4	05/19/22 17:19	B2E0535	LP	2
Dimethyl phthalate	< 44.9	44.9	ug/Kg dry	9.00	05/19/22 17:19	B2E0535	LP	2
Di-n-butyl phthalate	< 135	135	ug/Kg dry	24.9	05/19/22 17:19	B2E0535	LP	2
Di-n-octyl phthalate	< 67.3	67.3	ug/Kg dry	16.4	05/19/22 17:19	B2E0535	LP	2
Fluoranthene	1380	67.3	ug/Kg dry	14.5	05/19/22 17:19	B2E0535	LP	2
Fluorene	48.6	44.9	ug/Kg dry	8.83	05/19/22 17:19	B2E0535	LP	2
Hexachlorobenzene	< 44.9	44.9	ug/Kg dry	8.63	05/19/22 17:19	B2E0535	LP	2
Hexachlorobutadiene	< 89.7	89.7	ug/Kg dry	13.8	05/19/22 17:19	B2E0535	LP	2
Hexachlorocyclopentadiene	< 1100	1100	ug/Kg dry	169	05/19/22 17:19	B2E0535	LP	2
Hexachloroethane	89.7	89.7	ug/Kg dry	12.3	05/19/22 17:19	B2E0535	LP	2
Indeno(1,2,3-cd)pyrene	1210	67.3	ug/Kg dry	17.8	05/19/22 17:19	B2E0535	LP	2
Isophorone	67.3	67.3	ug/Kg dry	8.58	05/19/22 17:19	B2E0535	LP	2
Naphthalene	87.5	67.3	ug/Kg dry	12.9	05/19/22 17:19	B2E0535	LP	2
Nitrobenzene	89.7	89.7	ug/Kg dry	11.6	05/19/22 17:19	B2E0535	LP	2
N-Nitrosodimethylamine	< 89.7	89.7	ug/Kg dry	17.0	05/19/22 17:19	B2E0535	LP	2
N-Nitrosodi-n-propylamine	< 135	135	ug/Kg dry	21.0	05/19/22 17:19	B2E0535	LP	2
N-Nitrosodiphenylamine	< 67.3	67.3	ug/Kg dry	15.6	05/19/22 17:19	B2E0535	LP	2
Pentachlorophenol	< 121	121	ug/Kg dry	121	05/19/22 17:19	B2E0535	LP	2
Phenanthrene	372	67.3	ug/Kg dry	11.6	05/19/22 17:19	B2E0535	LP	2
Phenol	< 89.7	89.7	ug/Kg dry	12.4	05/19/22 17:19	B2E0535	LP	2
Pyrene	1710	67.3	ug/Kg dry	12.4	05/19/22 17:19	B2E0535	LP	2
Surrogate: 2-Fluorophenol			Recovery: 48%	Limits: 10-101	05/19/22 17:19	B2E0535	LP	2
Surrogate: Phenol-d5			Recovery: 59%	Limits: 10-110	05/19/22 17:19	B2E0535	LP	2
Surrogate: Nitrobenzene-d5			Recovery: 67%	Limits: 16-114	05/19/22 17:19	B2E0535	LP	2
Surrogate: 2-Fluorobiphenyl			Recovery: 79%	Limits: 15-117	05/19/22 17:19	B2E0535	LP	2
Surrogate: 2,4,6-Tribromophenol			Recovery: 70%	Limits: 10-118	05/19/22 17:19	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-107
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-02 (Continued)

Analyses	EMT Reporting				MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual	Units						
Semivolatile Organic Compounds by GC/MS (Continued)										
Method: SW8270D / SW3550 (Continued)										
Surrogate: 4-Terphenyl-d14				Recovery: 100%		Limits: 12-144	05/19/22 17:19	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-109
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-03

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.31	1.31			mg/Kg dry	0.525	05/19/22 20:50	B2E0566	CS2	1
Arsenic	< 1.31	1.31			mg/Kg dry	0.378	05/19/22 20:50	B2E0566	CS2	1
Barium	22.9	1.31			mg/Kg dry	0.205	05/19/22 20:50	B2E0566	CS2	1
Beryllium	< 0.131	0.131			mg/Kg dry	0.0315	05/19/22 20:50	B2E0566	CS2	1
Cadmium	0.624	0.131			mg/Kg dry	0.0262	05/19/22 20:50	B2E0566	CS2	1
Chromium	6.52	1.31			mg/Kg dry	0.362	05/19/22 20:50	B2E0566	CS2	1
Cobalt	1.36	1.31			mg/Kg dry	0.205	05/19/22 20:50	B2E0566	CS2	1
Copper	6.48	1.31			mg/Kg dry	0.310	05/19/22 20:50	B2E0566	CS2	1
Iron	13900	656			mg/Kg dry	315	05/19/22 18:42	B2E0566	CS2	100
Lead	23.0	1.31			mg/Kg dry	0.315	05/19/22 20:50	B2E0566	CS2	1
Manganese	195	1.31			mg/Kg dry	0.220	05/19/22 20:50	B2E0566	CS2	1
Nickel	7.84	1.31			mg/Kg dry	0.231	05/19/22 20:50	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.378	05/19/22 20:50	B2E0566	CS2	1
Silver	< 1.31	1.31			mg/Kg dry	0.262	05/19/22 20:50	B2E0566	CS2	1
Thallium	< 1.31	1.31			mg/Kg dry	0.504	05/19/22 20:50	B2E0566	CS2	1
Vanadium	3.00	1.31			mg/Kg dry	0.178	05/19/22 20:50	B2E0566	CS2	1
Zinc	56.7	5.25			mg/Kg dry	1.13	05/19/22 20:50	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:24	B2E0554	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/18/22 15:24	B2E0554	KJ1	5
Barium, TCLP	0.0886	0.0250			mg/L	0.00200	05/18/22 15:24	B2E0554	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:24	B2E0554	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:24	B2E0554	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:24	B2E0554	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:24	B2E0554	KJ1	5
Copper, TCLP	0.0250	0.0250			mg/L	0.00250	05/18/22 15:24	B2E0554	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/18/22 15:24	B2E0554	KJ1	5
Manganese, TCLP	1.08	0.0250			mg/L	0.00250	05/18/22 15:24	B2E0554	KJ1	5
Nickel, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:24	B2E0554	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:24	B2E0554	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/18/22 15:24	B2E0554	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/18/22 15:24	B2E0554	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/18/22 15:24	B2E0554	KJ1	5
Zinc, TCLP	0.104	0.0250			mg/L	0.0100	05/18/22 15:24	B2E0554	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-109
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-03 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/18/22 15:34	B2E0596	GSB	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.031	05/16/22 11:47	B2E0486	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	92.9	0.100		% (Percent)	0.0240	05/16/22 05:48	B2E0464	MKP	1
Method: SW9045C									
pH	8.55			pH Units		05/18/22 11:47	B2E0586	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 8.27	8.27		ug/Kg dry	1.57	05/19/22 22:07	B2E0542	kp2	1
4,4'-DDE	< 4.13	4.13		ug/Kg dry	0.244	05/19/22 22:28	B2E0542	kp2	1
4,4'-DDT	< 8.27	8.27		ug/Kg dry	2.03	05/19/22 22:28	B2E0542	kp2	1
Aldrin	< 4.13	4.13		ug/Kg dry	0.613	05/19/22 22:07	B2E0542	kp2	1
alpha-BHC	< 2.07	2.07		ug/Kg dry	0.333	05/19/22 22:28	B2E0542	kp2	1
alpha-Chlordane	< 4.13	4.13		ug/Kg dry	0.730	05/19/22 22:07	B2E0542	kp2	1
beta-BHC	< 8.27	8.27		ug/Kg dry	1.15	05/19/22 22:28	B2E0542	kp2	1
delta BHC	2.07	2.07		ug/Kg dry	0.468	05/19/22 22:28	B2E0542	kp2	1
Dieldrin	< 4.13	4.13		ug/Kg dry	0.643	05/19/22 22:28	B2E0542	kp2	1
Endosulfan I	< 4.13	4.13		ug/Kg dry	0.987	05/19/22 22:07	B2E0542	kp2	1
Endosulfan II	< 4.13	4.13		ug/Kg dry	0.939	05/19/22 22:28	B2E0542	kp2	1
Endosulfan sulfate	< 8.27	8.27		ug/Kg dry	1.09	05/19/22 22:28	B2E0542	kp2	1
Endrin	< 4.13	4.13		ug/Kg dry	0.745	05/19/22 22:28	B2E0542	kp2	1
Endrin aldehyde	< 8.27	8.27		ug/Kg dry	1.20	05/19/22 22:28	B2E0542	kp2	1
Endrin ketone	< 8.27	8.27		ug/Kg dry	1.28	05/19/22 22:07	B2E0542	kp2	1
gamma-BHC	< 4.13	4.13		ug/Kg dry	0.300	05/19/22 22:28	B2E0542	kp2	1
gamma-Chlordane	< 8.27	8.27		ug/Kg dry	1.77	05/19/22 22:28	B2E0542	kp2	1
Heptachlor	< 8.27	8.27		ug/Kg dry	1.17	05/19/22 22:28	B2E0542	kp2	1
Heptachlor epoxide	< 8.27	8.27		ug/Kg dry	1.14	05/19/22 22:28	B2E0542	kp2	1
Methoxychlor	< 8.27	8.27		ug/Kg dry	1.99	05/19/22 22:07	B2E0542	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 54%	Limits: 23-110	05/19/22 22:07	B2E0542	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 52%	Limits: 32-109	05/19/22 22:07	B2E0542	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.207	0.207		mg/Kg dry	0.0393	05/19/22 18:18	B2E0543	CS2	1
Aroclor 1221	< 0.310	0.310		mg/Kg dry	0.0837	05/19/22 18:18	B2E0543	CS2	1
Aroclor 1232	< 0.310	0.310		mg/Kg dry	0.0630	05/19/22 18:18	B2E0543	CS2	1
Aroclor 1242	< 0.310	0.310		mg/Kg dry	0.0682	05/19/22 18:18	B2E0543	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-109
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-03 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.310	0.310	mg/Kg dry	0.0630	05/19/22 18:18	B2E0543	CS2	1
Aroclor 1254	< 0.207	0.207	mg/Kg dry	0.0341	05/19/22 18:18	B2E0543	CS2	1
Aroclor 1260	< 0.207	0.207	mg/Kg dry	0.0444	05/19/22 18:18	B2E0543	CS2	1
Total PCB	< 0.310	0.310	mg/Kg dry	0.0837	05/19/22 18:18	B2E0543	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 52%	Limits: 10-127	05/19/22 18:18	B2E0543	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 42%	Limits: 11-119	05/19/22 18:18	B2E0543	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 528	528	ug/Kg dry	97.8	05/18/22 01:32	B2E0490	CG1	1
2,4,5 TP (ilvex)	1060	1060	ug/Kg dry	145	05/18/22 01:32	B2E0490	CG1	1
2,4-D	< 1060	1060	ug/Kg dry	94.0	05/18/22 01:32	B2E0490	CG1	1
2,4-DB	1920	528	ug/Kg dry	71.5	05/18/22 07:13	B2E0490	CG1	1
Dalapon	< 3240	3240	ug/Kg dry	3240	05/18/22 01:32	B2E0490	CG1	1
Dicamba	< 1060	1060	ug/Kg dry	183	05/18/22 01:32	B2E0490	CG1	1
Dichlorprop	< 528	528	ug/Kg dry	85.7	05/18/22 07:13	B2E0490	CG1	1
Dinoseb	2060	340	ug/Kg dry	226	05/18/22 01:32	B2E0490	CG1	1
MCPA	< 528	528	ug/Kg dry	77.8	05/18/22 01:32	B2E0490	CG1	1
MCPP	< 528	528	ug/Kg dry	96.9	05/18/22 01:32	B2E0490	CG1	1
Pentachlorophenol	1060	1060	ug/Kg dry	252	05/18/22 07:13	B2E0490	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 77%	Limits: 10-116	05/18/22 01:32	B2E0490	CG1	1

Volatile Organic Compounds by GC/MS

Method SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.56	1.56	ug/Kg dry	0.316	05/19/22 01:29	B2E0644	KS1	1
1,1,1-Trichloroethane	< 1.56	1.56	ug/Kg dry	0.319	05/19/22 01:29	B2E0644	KS1	1
1,1,2,2 Tetrachloroethane	1.56	1.56	ug/Kg dry	0.278	05/19/22 01:29	B2E0644	K 1	1
1,1,2-Trichloroethane	< 1.56	1.56	ug/Kg dry	0.342	05/19/22 01:29	B2E0644	KS1	1
1,1-Dichloroethane	< 3.12	3.12	ug/Kg dry	0.423	05/19/22 01:29	B2E0644	KS1	1
1,1-Dichloroethene	< 1.56	1.56	ug/Kg dry	0.338	05/19/22 01:29	B2E0644	KS1	1
1,1-Dichloropropene	< 15.6	15.6	ug/Kg dry	2.21	05/19/22 01:29	B2E0644	KS1	1
1,2,3-Trichlorobenzene	< 31.2	31.2	ug/Kg dry	5.05	05/19/22 01:29	B2E0644	KS1	1
1,2,3-Trichloropropane	< 15.6	15.6	ug/Kg dry	2.99	05/19/22 01:29	B2E0644	KS1	1
1,2,4-Trichlorobenzene	< 31.2	31.2	ug/Kg dry	4.96	05/19/22 01:29	B2E0644	KS1	1
1,2,4-Trimethylbenzene	< 6.24	6.24	ug/Kg dry	0.840	05/19/22 01:29	B2E0644	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.29	05/19/22 01:29	B2E0644	KS1	1
1,2-Dibromoethane	< 1.56	1.56	ug/Kg dry	0.212	05/19/22 01:29	B2E0644	KS1	1
1,2-Dichloroethane	< 1.56	1.56	ug/Kg dry	0.320	05/19/22 01:29	B2E0644	KS1	1
1,2-Dichloropropane	< 1.56	1.56	ug/Kg dry	0.377	05/19/22 01:29	B2E0644	KS1	1
1,3,5-Trimethylbenzene	< 3.12	3.12	ug/Kg dry	0.779	05/19/22 01:29	B2E0644	KS1	1
1,3-Dichloropropane	< 1.56	1.56	ug/Kg dry	0.349	05/19/22 01:29	B2E0644	KS1	1
2,2-Dichloropropane	< 1.56	1.56	ug/Kg dry	0.258	05/19/22 01:29	B2E0644	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-109
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-03 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
2-Butanone	< 21.8	21.8	ug/Kg dry	5.31	05/19/22 01:29	B2E0644	KS1	1
2-Chlorotoluene	< 3.12	3.12	ug/Kg dry	0.684	05/19/22 01:29	B2E0644	KS1	1
2-Hexanone	< 21.8	21.8	ug/Kg dry	4.14	05/19/22 01:29	B2E0644	KS1	1
4-Chlorotoluene	< 3.12	3.12	ug/Kg dry	0.683	05/19/22 01:29	B2E0644	KS1	1
4-Isopropyltoluene	< 6.24	6.24	ug/Kg dry	0.913	05/19/22 01:29	B2E0644	KS1	1
4-Methyl-2-pentanone	< 21.8	21.8	ug/Kg dry	3.18	05/19/22 01:29	B2E0644	KS1	1
Acetone	< 54.6	54.6	ug/Kg dry	9.43	05/19/22 01:29	B2E0644	KS1	1
Benzene	< 1.56	1.56	ug/Kg dry	0.225	05/19/22 01:29	B2E0644	KS1	1
Bromobenzene	< 3.12	3.12	ug/Kg dry	0.438	05/19/22 01:29	B2E0644	KS1	1
Bromochloromethane	< 3.12	3.12	ug/Kg dry	0.547	05/19/22 01:29	B2E0644	KS1	1
Bromodichloromethane	< 1.56	1.56	ug/Kg dry	0.375	05/19/22 01:29	B2E0644	KS1	1
Bromoform	< 3.12	3.12	ug/Kg dry	0.491	05/19/22 01:29	B2E0644	KS1	1
Bromomethane	< 15.6	15.6	ug/Kg dry	1.87	05/19/22 01:29	B2E0644	KS1	1
Carbon disulfide	< 3.12	3.12	ug/Kg dry	0.469	05/19/22 01:29	B2E0644	KS1	1
Carbon tetrachloride	< 15.6	15.6	ug/Kg dry	2.18	05/19/22 01:29	B2E0644	KS1	1
Chlorobenzene	< 3.12	3.12	ug/Kg dry	0.405	05/19/22 01:29	B2E0644	KS1	1
Chloroethane	< 6.24	6.24	ug/Kg dry	1.10	05/19/22 01:29	B2E0644	KS1	1
Chloroform	< 3.12	3.12	ug/Kg dry	0.570	05/19/22 01:29	B2E0644	KS1	1
Chloromethane	6.24	6.24	ug/Kg dry	1.14	05/19/22 01:29	B2E0644	K 1	1
cis-1,2-Dichloroethene	< 3.12	3.12	ug/Kg dry	0.445	05/19/22 01:29	B2E0644	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.539	05/19/22 01:29	B2E0644	KS1	1
Dibromochloromethane	< 1.56	1.56	ug/Kg dry	0.371	05/19/22 01:29	B2E0644	KS1	1
Dibromomethane	< 1.56	1.56	ug/Kg dry	0.285	05/19/22 01:29	B2E0644	KS1	1
Dichlorodifluoromethane	7.80	7.80	ug/Kg dry	0.943	05/19/22 01:29	B2E0644	K 1	1
Ethylbenzene	< 6.24	6.24	ug/Kg dry	0.807	05/19/22 01:29	B2E0644	KS1	1
Isopropylbenzene	< 3.12	3.12	ug/Kg dry	0.775	05/19/22 01:29	B2E0644	KS1	1
m,p-Xylene	< 6.24	6.24	ug/Kg dry	1.26	05/19/22 01:29	B2E0644	KS1	1
Methyl tert-butyl ether	< 1.56	1.56	ug/Kg dry	0.261	05/19/22 01:29	B2E0644	KS1	1
Methylene chloride	< 15.6	15.6	ug/Kg dry	3.06	05/19/22 01:29	B2E0644	KS1	1
n-Butylbenzene	< 15.6	15.6	ug/Kg dry	2.23	05/19/22 01:29	B2E0644	KS1	1
n-Propylbenzene	< 3.12	3.12	ug/Kg dry	0.746	05/19/22 01:29	B2E0644	KS1	1
o-Xylene	< 6.24	6.24	ug/Kg dry	0.796	05/19/22 01:29	B2E0644	KS1	1
sec-Butylbenzene	< 3.12	3.12	ug/Kg dry	0.765	05/19/22 01:29	B2E0644	KS1	1
Styrene	< 6.24	6.24	ug/Kg dry	0.855	05/19/22 01:29	B2E0644	KS1	1
tert-Butylbenzene	< 3.12	3.12	ug/Kg dry	0.296	05/19/22 01:29	B2E0644	KS1	1
Tetrachloroethene	< 3.12	3.12	ug/Kg dry	0.455	05/19/22 01:29	B2E0644	KS1	1
Toluene	< 1.56	1.56	ug/Kg dry	0.282	05/19/22 01:29	B2E0644	KS1	1
trans-1,2-Dichloroethene	< 3.12	3.12	ug/Kg dry	0.722	05/19/22 01:29	B2E0644	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.638	05/19/22 01:29	B2E0644	KS1	1
Trichloroethene	< 1.56	1.56	ug/Kg dry	0.378	05/19/22 01:29	B2E0644	KS1	1
Trichlorofluoromethane	< 1.56	1.56	ug/Kg dry	0.323	05/19/22 01:29	B2E0644	KS1	1
Vinyl acetate	< 3.12	3.12	ug/Kg dry	0.398	05/19/22 01:29	B2E0644	KS1	1
Vinyl chloride	< 3.12	3.12	ug/Kg dry	0.557	05/19/22 01:29	B2E0644	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-109
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-03 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 9.36	9.36	ug/Kg dry	2.00	05/19/22 01:29	B2E0644	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.491	05/19/22 01:29	B2E0644	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 104%	Limits: 80-141	05/19/22 01:29	B2E0644	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 108%	Limits: 79-150	05/19/22 01:29	B2E0644	KS1	1
Surrogate: Fluorobenzene			Recovery: 101%	Limits: 88-111	05/19/22 01:29	B2E0644	KS1	1
Surrogate: Toluene-d8			Recovery: 100%	Limits: 78-121	05/19/22 01:29	B2E0644	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 99%	Limits: 82-137	05/19/22 01:29	B2E0644	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 104%	Limits: 81-135	05/19/22 01:29	B2E0644	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 161	161	ug/Kg dry	30.3	05/19/22 17:45	B2E0535	LP	5
1,2-Dichlorobenzene	< 161	161	ug/Kg dry	27.9	05/19/22 17:45	B2E0535	LP	5
1,3-Dichlorobenzene	< 161	161	ug/Kg dry	26.5	05/19/22 17:45	B2E0535	LP	5
1,4-Dichlorobenzene	< 161	161	ug/Kg dry	25.5	05/19/22 17:45	B2E0535	LP	5
1-Methylnaphthalene	161	161	ug/Kg dry	30.1	05/19/22 17:45	B2E0535	LP	5
2,4,5-Trichlorophenol	< 107	107	ug/Kg dry	19.0	05/19/22 17:45	B2E0535	LP	5
2,4,6-Trichlorophenol	< 107	107	ug/Kg dry	35.5	05/19/22 17:45	B2E0535	LP	5
2,4-Dichlorophenol	< 107	107	ug/Kg dry	17.1	05/19/22 17:45	B2E0535	LP	5
2,4-Dimethylphenol	< 321	321	ug/Kg dry	22.1	05/19/22 17:45	B2E0535	LP	5
2,4-Dinitrophenol	< 2680	2680	ug/Kg dry	364	05/19/22 17:45	B2E0535	LP	5
2,4-Dinitrotoluene	< 161	161	ug/Kg dry	35.3	05/19/22 17:45	B2E0535	LP	5
2,6-Dinitrotoluene	< 107	107	ug/Kg dry	19.1	05/19/22 17:45	B2E0535	LP	5
2-Chloronaphthalene	< 107	107	ug/Kg dry	22.8	05/19/22 17:45	B2E0535	LP	5
2-Chlorophenol	< 107	107	ug/Kg dry	23.9	05/19/22 17:45	B2E0535	LP	5
2-Methylnaphthalene	< 161	161	ug/Kg dry	26.1	05/19/22 17:45	B2E0535	LP	5
2-Methylphenol	< 53.6	53.6	ug/Kg dry	12.3	05/19/22 17:45	B2E0535	LP	5
2-Nitroaniline	< 161	161	ug/Kg dry	32.6	05/19/22 17:45	B2E0535	LP	5
2-Nitrophenol	< 161	161	ug/Kg dry	44.9	05/19/22 17:45	B2E0535	LP	5
3,3'-Dichlorobenzidine	< 643	643	ug/Kg dry	102	05/19/22 17:45	B2E0535	LP	5
3 & 4-Me hylphenol	< 214	214	ug/Kg dry	41.8	05/19/22 17:45	B2E0535	LP	5
3-Nitroaniline	< 161	161	ug/Kg dry	57.0	05/19/22 17:45	B2E0535	LP	5
4,6-Dinitro-2-methylphenol	< 4290	4290	ug/Kg dry	632	05/19/22 17:45	B2E0535	LP	5
4-Bromophenyl-phenylether	< 161	161	ug/Kg dry	28.4	05/19/22 17:45	B2E0535	LP	5
4-Chloro-3-methylphenol	< 107	107	ug/Kg dry	14.7	05/19/22 17:45	B2E0535	LP	5
4-Chloroaniline	< 161	161	ug/Kg dry	25.7	05/19/22 17:45	B2E0535	LP	5
4-Chlorophenyl-phenylether	< 161	161	ug/Kg dry	27.2	05/19/22 17:45	B2E0535	LP	5
4-Nitroaniline	< 214	214	ug/Kg dry	21.3	05/19/22 17:45	B2E0535	LP	5
4-Nitrophenol	< 4290	4290	ug/Kg dry	711	05/19/22 17:45	B2E0535	LP	5
Acenaphthene	< 107	107	ug/Kg dry	21.5	05/19/22 17:45	B2E0535	LP	5
Acenaphthylene	593	107	ug/Kg dry	24.2	05/19/22 17:45	B2E0535	LP	5
Anthracene	1290	161	ug/Kg dry	30.9	05/19/22 17:45	B2E0535	LP	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-109
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-03 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Semivolatile Organic Compounds by GC/MS (Continued)								
Method: SW8270D / SW3550 (Continued)								
Azobenzene as 1,2-Diphenylhydrazine	< 107	107	ug/Kg dry	15.3	05/19/22 17:45	B2E0535	LP	5
Benzydine	< 909	909	ug/Kg dry	909	05/19/22 17:45	B2E0535	LP	5
Benzo(a)anthracene	4540	161	ug/Kg dry	26.9	05/19/22 17:45	B2E0535	LP	5
Benzo(a)pyrene	4270	90.0	ug/Kg dry	32.8	05/19/22 17:45	B2E0535	LP	5
Benzo(b)fluoranthene	5450	161	ug/Kg dry	43.0	05/19/22 17:45	B2E0535	LP	5
Benzo(g,h,i)perylene	2690	214	ug/Kg dry	23.8	05/19/22 17:45	B2E0535	LP	5
Benzo(k)fluoranthene	1820	214	ug/Kg dry	26.2	05/19/22 17:45	B2E0535	LP	5
Benzoic acid	< 8570	8570	ug/Kg dry	533	05/19/22 17:45	B2E0535	LP	5
Benzyl alcohol	< 161	161	ug/Kg dry	27.5	05/19/22 17:45	B2E0535	LP	5
Bis(2-chloroethoxy)methane	< 107	107	ug/Kg dry	23.5	05/19/22 17:45	B2E0535	LP	5
Bis(2-chloroethyl)ether	< 660	660	ug/Kg dry	284	05/19/22 17:45	B2E0535	LP	5
Bis(2-chloroisopropyl)ether	< 2400	2400	ug/Kg dry	362	05/19/22 17:45	B2E0535	LP	5
Bis(2-ethylhexyl)phthalate	< 1070	1070	ug/Kg dry	181	05/19/22 17:45	B2E0535	LP	5
Butyl benzyl phthalate	< 321	321	ug/Kg dry	44.4	05/19/22 17:45	B2E0535	LP	5
Carbazole	< 107	107	ug/Kg dry	18.1	05/19/22 17:45	B2E0535	LP	5
Chrysene	4960	107	ug/Kg dry	17.1	05/19/22 17:45	B2E0535	LP	5
Dibenzo(a,h)anthracene	800	161	ug/Kg dry	65.1	05/19/22 17:45	B2E0535	LP	5
Dibenzofuran	< 161	161	ug/Kg dry	23.8	05/19/22 17:45	B2E0535	LP	5
Diethyl phthalate	< 1070	1070	ug/Kg dry	185	05/19/22 17:45	B2E0535	LP	5
Dimethyl phthalate	< 107	107	ug/Kg dry	21.5	05/19/22 17:45	B2E0535	LP	5
Di-n-butyl phthalate	< 321	321	ug/Kg dry	59.6	05/19/22 17:45	B2E0535	LP	5
Di-n-octyl phthalate	< 161	161	ug/Kg dry	39.3	05/19/22 17:45	B2E0535	LP	5
Fluoranthene	5470	161	ug/Kg dry	34.7	05/19/22 17:45	B2E0535	LP	5
Fluorene	< 107	107	ug/Kg dry	21.1	05/19/22 17:45	B2E0535	LP	5
Hexachlorobenzene	< 107	107	ug/Kg dry	20.6	05/19/22 17:45	B2E0535	LP	5
Hexachlorobutadiene	< 214	214	ug/Kg dry	33.0	05/19/22 17:45	B2E0535	LP	5
Hexachlorocyclopentadiene	< 1100	1100	ug/Kg dry	403	05/19/22 17:45	B2E0535	LP	5
Hexachloroethane	< 214	214	ug/Kg dry	29.4	05/19/22 17:45	B2E0535	LP	5
Indeno(1,2,3-cd)pyrene	3210	161	ug/Kg dry	42.5	05/19/22 17:45	B2E0535	LP	5
Isophorone	< 161	161	ug/Kg dry	20.5	05/19/22 17:45	B2E0535	LP	5
Naphthalene	< 161	161	ug/Kg dry	30.8	05/19/22 17:45	B2E0535	LP	5
Nitrobenzene	< 214	214	ug/Kg dry	27.8	05/19/22 17:45	B2E0535	LP	5
N-Nitrosodimethylamine	< 214	214	ug/Kg dry	40.5	05/19/22 17:45	B2E0535	LP	5
N-Nitrosodi-n-propylamine	< 50.3	50.3	ug/Kg dry	50.3	05/19/22 17:45	B2E0535	LP	5
N-Nitrosodiphenylamine	< 161	161	ug/Kg dry	37.1	05/19/22 17:45	B2E0535	LP	5
Pentachlorophenol	< 288	288	ug/Kg dry	288	05/19/22 17:45	B2E0535	LP	5
Phenanthrene	654	161	ug/Kg dry	27.8	05/19/22 17:45	B2E0535	LP	5
Phenol	< 214	214	ug/Kg dry	29.6	05/19/22 17:45	B2E0535	LP	5
Pyrene	5810	161	ug/Kg dry	29.5	05/19/22 17:45	B2E0535	LP	5
Surrogate: 2-Fluorophenol			Recovery: 50%	Limits: 10-101	05/19/22 17:45	B2E0535	LP	5
Surrogate: Phenol-d5			Recovery: 58%	Limits: 10-110	05/19/22 17:45	B2E0535	LP	5
Surrogate: Nitrobenzene-d5			Recovery: 60%	Limits: 16-114	05/19/22 17:45	B2E0535	LP	5
Surrogate: 2-Fluorobiphenyl			Recovery: 77%	Limits: 15-117	05/19/22 17:45	B2E0535	LP	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-109
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-03 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 68%		Limits: 10-118	05/19/22 17:45	B2E0535	LP	5
Surrogate: 4-Terphenyl-d14			Recovery: 91%		Limits: 12-144	05/19/22 17:45	B2E0535	LP	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-108
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-04

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.41	1.41			mg/Kg dry	0.564	05/19/22 20:54	B2E0566	CS2	1
Arsenic	< 1.41	1.41			mg/Kg dry	0.406	05/19/22 20:54	B2E0566	CS2	1
Barium	16.9	1.41			mg/Kg dry	0.220	05/19/22 20:54	B2E0566	CS2	1
Beryllium	< 0.141	0.141			mg/Kg dry	0.0339	05/19/22 20:54	B2E0566	CS2	1
Cadmium	0.277	0.141			mg/Kg dry	0.0282	05/19/22 20:54	B2E0566	CS2	1
Chromium	5.29	1.41			mg/Kg dry	0.389	05/19/22 20:54	B2E0566	CS2	1
Cobalt	< 1.41	1.41			mg/Kg dry	0.220	05/19/22 20:54	B2E0566	CS2	1
Copper	6.05	1.41			mg/Kg dry	0.333	05/19/22 20:54	B2E0566	CS2	1
Iron	9940	706			mg/Kg dry	339	05/19/22 18:46	B2E0566	CS2	100
Lead	13.4	1.41			mg/Kg dry	0.339	05/19/22 20:54	B2E0566	CS2	1
Manganese	190	1.41			mg/Kg dry	0.237	05/19/22 20:54	B2E0566	CS2	1
Nickel	6.50	1.41			mg/Kg dry	0.248	05/19/22 20:54	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.406	05/19/22 20:54	B2E0566	CS2	1
Silver	< 1.41	1.41			mg/Kg dry	0.282	05/19/22 20:54	B2E0566	CS2	1
Thallium	< 1.41	1.41			mg/Kg dry	0.542	05/19/22 20:54	B2E0566	CS2	1
Vanadium	3.22	1.41			mg/Kg dry	0.192	05/19/22 20:54	B2E0566	CS2	1
Zinc	28.4	5.64			mg/Kg dry	1.21	05/19/22 20:54	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:26	B2E0554	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/18/22 15:26	B2E0554	KJ1	5
Barium, TCLP	0.0903	0.0250			mg/L	0.00200	05/18/22 15:26	B2E0554	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:26	B2E0554	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:26	B2E0554	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:26	B2E0554	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:26	B2E0554	KJ1	5
Copper, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:26	B2E0554	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/18/22 15:26	B2E0554	KJ1	5
Manganese, TCLP	0.792	0.0250			mg/L	0.00250	05/18/22 15:26	B2E0554	KJ1	5
Nickel, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:26	B2E0554	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:26	B2E0554	KJ1	5
Silver, TCLP	0.00250	0.00250			mg/L	0.000400	05/18/22 15:26	B2E0554	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/18/22 15:26	B2E0554	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/18/22 15:26	B2E0554	KJ1	5
inc, TCLP	0.133	0.0250			mg/L	0.0100	05/18/22 15:26	B2E0554	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-108
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-04 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/18/22 15:36	B2E0596	GSB	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.034	05/16/22 11:49	B2E0486	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	82.7	0.100		% (Percent)	0.0240	05/16/22 05:50	B2E0464	MKP	1
Method: SW9045C									
pH	8.21			pH Units		05/18/22 11:47	B2E0586	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 9.46	9.46		ug/Kg dry	1.80	05/19/22 22:28	B2E0542	kp2	1
4,4'-DDE	< 4.73	4.73		ug/Kg dry	0.279	05/19/22 22:50	B2E0542	kp2	1
4,4'-DDT	< 9.46	9.46		ug/Kg dry	2.32	05/19/22 22:28	B2E0542	kp2	1
Aldrin	< 4.73	4.73		ug/Kg dry	0.702	05/19/22 22:28	B2E0542	kp2	1
alpha-BHC	< 2.36	2.36		ug/Kg dry	0.381	05/19/22 22:50	B2E0542	kp2	1
alpha-Chlordane	< 4.73	4.73		ug/Kg dry	0.835	05/19/22 22:28	B2E0542	kp2	1
beta-BHC	< 9.46	9.46		ug/Kg dry	1.32	05/19/22 22:50	B2E0542	kp2	1
delta BHC	2.36	2.36		ug/Kg dry	0.536	05/19/22 22:50	B2E0542	kp2	1
Dieldrin	< 4.73	4.73		ug/Kg dry	0.735	05/19/22 22:28	B2E0542	kp2	1
Endosulfan I	< 4.73	4.73		ug/Kg dry	1.13	05/19/22 22:28	B2E0542	kp2	1
Endosulfan II	< 4.73	4.73		ug/Kg dry	1.07	05/19/22 22:28	B2E0542	kp2	1
Endosulfan sulfate	< 9.46	9.46		ug/Kg dry	1.24	05/19/22 22:50	B2E0542	kp2	1
Endrin	< 4.73	4.73		ug/Kg dry	0.852	05/19/22 22:28	B2E0542	kp2	1
Endrin aldehyde	< 9.46	9.46		ug/Kg dry	1.38	05/19/22 22:50	B2E0542	kp2	1
Endrin ketone	< 9.46	9.46		ug/Kg dry	1.46	05/19/22 22:28	B2E0542	kp2	1
gamma-BHC	< 4.73	4.73		ug/Kg dry	0.343	05/19/22 22:50	B2E0542	kp2	1
gamma-Chlordane	< 9.46	9.46		ug/Kg dry	2.03	05/19/22 22:50	B2E0542	kp2	1
Heptachlor	< 9.46	9.46		ug/Kg dry	1.34	05/19/22 22:28	B2E0542	kp2	1
Heptachlor epoxide	< 9.46	9.46		ug/Kg dry	1.30	05/19/22 22:28	B2E0542	kp2	1
Methoxychlor	< 9.46	9.46		ug/Kg dry	2.27	05/19/22 22:28	B2E0542	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 70%	Limits: 23-110	05/19/22 22:50	B2E0542	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 65%	Limits: 32-109	05/19/22 22:50	B2E0542	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.236	0.236		mg/Kg dry	0.0449	05/19/22 18:35	B2E0543	CS2	1
Aroclor 1221	< 0.355	0.355		mg/Kg dry	0.0957	05/19/22 18:35	B2E0543	CS2	1
Aroclor 1232	< 0.355	0.355		mg/Kg dry	0.0721	05/19/22 18:35	B2E0543	CS2	1
Aroclor 1242	< 0.355	0.355		mg/Kg dry	0.0780	05/19/22 18:35	B2E0543	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-108
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-04 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.355	0.355	mg/Kg dry	0.0721	05/19/22 18:35	B2E0543	CS2	1
Aroclor 1254	< 0.236	0.236	mg/Kg dry	0.0390	05/19/22 18:35	B2E0543	CS2	1
Aroclor 1260	< 0.236	0.236	mg/Kg dry	0.0508	05/19/22 18:35	B2E0543	CS2	1
Total PCB	< 0.355	0.355	mg/Kg dry	0.0957	05/19/22 18:35	B2E0543	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 71%	Limits: 10-127	05/19/22 18:35	B2E0543	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 54%	Limits: 11-119	05/19/22 18:35	B2E0543	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 236	236	ug/Kg dry	43.7	05/18/22 02:09	B2E0490	CG1	1
2,4,5-TP (Silvex)	< 473	473	ug/Kg dry	65.1	05/18/22 08:10	B2E0490	CG1	1
2,4-D	< 473	473	ug/Kg dry	42.1	05/18/22 02:09	B2E0490	CG1	1
2,4-DB	435	236	ug/Kg dry	32.0	05/18/22 08:10	B2E0490	CG1	1
Dalapon	< 1450	1450	ug/Kg dry	1450	05/18/22 02:09	B2E0490	CG1	1
Dicamba	< 473	473	ug/Kg dry	82.1	05/18/22 08:10	B2E0490	CG1	1
Dichloroprop	< 236	236	ug/Kg dry	38.4	05/18/22 02:09	B2E0490	CG1	1
Dinoseb	< 340	340	ug/Kg dry	101	05/18/22 02:09	B2E0490	CG1	1
MCPA	< 236	236	ug/Kg dry	34.8	05/18/22 02:09	B2E0490	CG1	1
MCPP	< 236	236	ug/Kg dry	43.3	05/18/22 02:09	B2E0490	CG1	1
Pentachlorophenol	< 473	473	ug/Kg dry	113	05/18/22 08:10	B2E0490	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 39%	Limits: 10-116	05/18/22 02:09	B2E0490	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.86	1.86	ug/Kg dry	0.377	05/19/22 16:50	B2E0691	KS1	1
1,1,1-Trichloroethane	< 1.86	1.86	ug/Kg dry	0.381	05/19/22 16:50	B2E0691	KS1	1
1,1,2,2-Tetrachloroethane	< 1.86	1.86	ug/Kg dry	0.332	05/19/22 16:50	B2E0691	KS1	1
1,1,2-Trichloroethane	< 1.86	1.86	ug/Kg dry	0.408	05/19/22 16:50	B2E0691	KS1	1
1,1-Dichloroethane	< 3.72	3.72	ug/Kg dry	0.505	05/19/22 16:50	B2E0691	KS1	1
1,1 Dichloroethene	1.86	1.86	ug/Kg dry	0.403	05/19/22 16:50	B2E0691	K 1	1
1,1-Dichloropropene	< 18.6	18.6	ug/Kg dry	2.64	05/19/22 16:50	B2E0691	KS1	1
1,2,3-Trichlorobenzene	< 37.2	37.2	ug/Kg dry	6.03	05/19/22 16:50	B2E0691	KS1	1
1,2,3-Trichloropropane	< 18.6	18.6	ug/Kg dry	3.56	05/19/22 16:50	B2E0691	KS1	1
1,2,4-Trichlorobenzene	< 37.2	37.2	ug/Kg dry	5.92	05/19/22 16:50	B2E0691	KS1	1
1,2,4-Trimethylbenzene	< 7.44	7.44	ug/Kg dry	1.00	05/19/22 16:50	B2E0691	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.54	05/19/22 16:50	B2E0691	KS1	1
1,2-Dibromoethane	< 1.86	1.86	ug/Kg dry	0.253	05/19/22 16:50	B2E0691	KS1	1
1,2-Dichloroethane	< 1.86	1.86	ug/Kg dry	0.382	05/19/22 16:50	B2E0691	KS1	1
1,2-Dichloropropane	< 1.86	1.86	ug/Kg dry	0.449	05/19/22 16:50	B2E0691	KS1	1
1,3,5-Trimethylbenzene	< 3.72	3.72	ug/Kg dry	0.930	05/19/22 16:50	B2E0691	KS1	1
1,3-Dichloropropane	< 1.86	1.86	ug/Kg dry	0.416	05/19/22 16:50	B2E0691	KS1	1
2,2-Dichloropropane	< 1.86	1.86	ug/Kg dry	0.308	05/19/22 16:50	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-108
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-04 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
2-Butanone	< 26.1	26.1	ug/Kg dry	6.34	05/19/22 16:50	B2E0691	KS1	1
2-Chlorotoluene	< 3.72	3.72	ug/Kg dry	0.816	05/19/22 16:50	B2E0691	KS1	1
2-Hexanone	< 26.1	26.1	ug/Kg dry	4.94	05/19/22 16:50	B2E0691	KS1	1
4-Chlorotoluene	< 3.72	3.72	ug/Kg dry	0.815	05/19/22 16:50	B2E0691	KS1	1
4-Isopropyltoluene	< 7.44	7.44	ug/Kg dry	1.09	05/19/22 16:50	B2E0691	KS1	1
4-Methyl-2-pentanone	< 26.1	26.1	ug/Kg dry	3.79	05/19/22 16:50	B2E0691	KS1	1
Acetone	< 65.1	65.1	ug/Kg dry	11.3	05/19/22 16:50	B2E0691	KS1	1
Benzene	< 1.86	1.86	ug/Kg dry	0.268	05/19/22 16:50	B2E0691	KS1	1
Bromobenzene	< 3.72	3.72	ug/Kg dry	0.523	05/19/22 16:50	B2E0691	KS1	1
Bromochloromethane	< 3.72	3.72	ug/Kg dry	0.652	05/19/22 16:50	B2E0691	KS1	1
Bromodichloromethane	< 1.86	1.86	ug/Kg dry	0.448	05/19/22 16:50	B2E0691	KS1	1
Bromoform	< 3.72	3.72	ug/Kg dry	0.586	05/19/22 16:50	B2E0691	KS1	1
Bromomethane	< 18.6	18.6	ug/Kg dry	2.24	05/19/22 16:50	B2E0691	KS1	1
Carbon disulfide	< 3.72	3.72	ug/Kg dry	0.560	05/19/22 16:50	B2E0691	KS1	1
Carbon tetrachloride	< 18.6	18.6	ug/Kg dry	2.60	05/19/22 16:50	B2E0691	KS1	1
Chlorobenzene	< 3.72	3.72	ug/Kg dry	0.484	05/19/22 16:50	B2E0691	KS1	1
Chloroethane	< 7.44	7.44	ug/Kg dry	1.32	05/19/22 16:50	B2E0691	KS1	1
Chloroform	< 3.72	3.72	ug/Kg dry	0.680	05/19/22 16:50	B2E0691	KS1	1
Chloromethane	7.44	7.44	ug/Kg dry	1.36	05/19/22 16:50	B2E0691	K 1	1
cis-1,2-Dichloroethene	< 3.72	3.72	ug/Kg dry	0.531	05/19/22 16:50	B2E0691	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.644	05/19/22 16:50	B2E0691	KS1	1
Dibromochloromethane	< 1.86	1.86	ug/Kg dry	0.442	05/19/22 16:50	B2E0691	KS1	1
Dibromomethane	< 1.86	1.86	ug/Kg dry	0.340	05/19/22 16:50	B2E0691	KS1	1
Dichlorodifluoromethane	19.1	9.30	ug/Kg dry	1.13	05/19/22 16:50	B2E0691	K 1	1
Ethylbenzene	< 7.44	7.44	ug/Kg dry	0.963	05/19/22 16:50	B2E0691	KS1	1
Isopropylbenzene	3.72	3.72	ug/Kg dry	0.924	05/19/22 16:50	B2E0691	K 1	1
m,p-Xylene	< 7.44	7.44	ug/Kg dry	1.51	05/19/22 16:50	B2E0691	KS1	1
Methyl tert-butyl ether	< 1.86	1.86	ug/Kg dry	0.311	05/19/22 16:50	B2E0691	KS1	1
Methylene chloride	< 18.6	18.6	ug/Kg dry	3.66	05/19/22 16:50	B2E0691	KS1	1
n-Butylbenzene	< 18.6	18.6	ug/Kg dry	2.66	05/19/22 16:50	B2E0691	KS1	1
n-Propylbenzene	< 3.72	3.72	ug/Kg dry	0.890	05/19/22 16:50	B2E0691	KS1	1
o-Xylene	< 7.44	7.44	ug/Kg dry	0.950	05/19/22 16:50	B2E0691	KS1	1
sec-Butylbenzene	< 3.72	3.72	ug/Kg dry	0.913	05/19/22 16:50	B2E0691	KS1	1
Styrene	< 7.44	7.44	ug/Kg dry	1.02	05/19/22 16:50	B2E0691	KS1	1
tert-Butylbenzene	< 3.72	3.72	ug/Kg dry	0.354	05/19/22 16:50	B2E0691	KS1	1
Tetrachloroethene	< 3.72	3.72	ug/Kg dry	0.544	05/19/22 16:50	B2E0691	KS1	1
Toluene	< 1.86	1.86	ug/Kg dry	0.336	05/19/22 16:50	B2E0691	KS1	1
trans-1,2-Dichloroethene	< 3.72	3.72	ug/Kg dry	0.861	05/19/22 16:50	B2E0691	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00	ug/Kg dry	0.761	05/19/22 16:50	B2E0691	KS1	1
Trichloroethene	< 1.86	1.86	ug/Kg dry	0.451	05/19/22 16:50	B2E0691	KS1	1
Trichlorofluoromethane	< 1.86	1.86	ug/Kg dry	0.386	05/19/22 16:50	B2E0691	KS1	1
Vinyl acetate	< 3.72	3.72	ug/Kg dry	0.474	05/19/22 16:50	B2E0691	KS1	1
Vinyl chloride	< 3.72	3.72	ug/Kg dry	0.665	05/19/22 16:50	B2E0691	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-108
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-04 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 11.2	11.2	ug/Kg dry	2.38	05/19/22 16:50	B2E0691	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.586	05/19/22 16:50	B2E0691	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 105%	Limits: 80-141	05/19/22 16:50	B2E0691	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 110%	Limits: 79-150	05/19/22 16:50	B2E0691	KS1	1
Surrogate: Fluorobenzene			Recovery: 103%	Limits: 88-111	05/19/22 16:50	B2E0691	KS1	1
Surrogate: Toluene-d8			Recovery: 100%	Limits: 78-121	05/19/22 16:50	B2E0691	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 92%	Limits: 82-137	05/19/22 16:50	B2E0691	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 110%	Limits: 81-135	05/19/22 16:50	B2E0691	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 72.3	72.3	ug/Kg dry	13.6	05/19/22 18:11	B2E0535	LP	2
1,2-Dichlorobenzene	< 72.3	72.3	ug/Kg dry	12.5	05/19/22 18:11	B2E0535	LP	2
1,3-Dichlorobenzene	< 72.3	72.3	ug/Kg dry	11.9	05/19/22 18:11	B2E0535	LP	2
1,4-Dichlorobenzene	< 72.3	72.3	ug/Kg dry	11.5	05/19/22 18:11	B2E0535	LP	2
1-Methylnaphthalene	72.3	72.3	ug/Kg dry	13.6	05/19/22 18:11	B2E0535	LP	2
2,4,5-Trichlorophenol	< 48.2	48.2	ug/Kg dry	8.56	05/19/22 18:11	B2E0535	LP	2
2,4,6-Trichlorophenol	< 48.2	48.2	ug/Kg dry	16.0	05/19/22 18:11	B2E0535	LP	2
2,4-Dichlorophenol	< 48.2	48.2	ug/Kg dry	7.71	05/19/22 18:11	B2E0535	LP	2
2,4-Dimethylphenol	< 145	145	ug/Kg dry	9.94	05/19/22 18:11	B2E0535	LP	2
2,4-Dinitrophenol	1210	1210	ug/Kg dry	164	05/19/22 18:11	B2E0535	LP	2
2,4-Dinitrotoluene	< 72.3	72.3	ug/Kg dry	15.9	05/19/22 18:11	B2E0535	LP	2
2,6-Dinitrotoluene	< 48.2	48.2	ug/Kg dry	8.58	05/19/22 18:11	B2E0535	LP	2
2-Chloronaphthalene	< 48.2	48.2	ug/Kg dry	10.2	05/19/22 18:11	B2E0535	LP	2
2-Chlorophenol	< 48.2	48.2	ug/Kg dry	10.8	05/19/22 18:11	B2E0535	LP	2
2-Methylnaphthalene	< 72.3	72.3	ug/Kg dry	11.7	05/19/22 18:11	B2E0535	LP	2
2-Methylphenol	< 24.1	24.1	ug/Kg dry	5.54	05/19/22 18:11	B2E0535	LP	2
2-Nitroaniline	< 72.3	72.3	ug/Kg dry	14.7	05/19/22 18:11	B2E0535	LP	2
2-Nitrophenol	< 72.3	72.3	ug/Kg dry	20.2	05/19/22 18:11	B2E0535	LP	2
3,3'-Dichlorobenzidine	< 289	289	ug/Kg dry	45.9	05/19/22 18:11	B2E0535	LP	2
3 & 4-Methylphenol	< 96.4	96.4	ug/Kg dry	18.8	05/19/22 18:11	B2E0535	LP	2
3-Nitroaniline	< 72.3	72.3	ug/Kg dry	25.7	05/19/22 18:11	B2E0535	LP	2
4,6-Dinitro-2-methylphenol	< 1930	1930	ug/Kg dry	284	05/19/22 18:11	B2E0535	LP	2
4-Bromophenyl-phenylether	< 72.3	72.3	ug/Kg dry	12.8	05/19/22 18:11	B2E0535	LP	2
4-Chloro-3-methylphenol	< 48.2	48.2	ug/Kg dry	6.61	05/19/22 18:11	B2E0535	LP	2
4-Chloroaniline	< 72.3	72.3	ug/Kg dry	11.6	05/19/22 18:11	B2E0535	LP	2
4-Chlorophenyl-phenylether	< 72.3	72.3	ug/Kg dry	12.2	05/19/22 18:11	B2E0535	LP	2
4-Nitroaniline	< 96.4	96.4	ug/Kg dry	9.56	05/19/22 18:11	B2E0535	LP	2
4-Nitrophenol	< 1930	1930	ug/Kg dry	320	05/19/22 18:11	B2E0535	LP	2
Acenaphthene	77.9	48.2	ug/Kg dry	9.68	05/19/22 18:11	B2E0535	LP	2
Acenaphthylene	321	48.2	ug/Kg dry	10.9	05/19/22 18:11	B2E0535	LP	2
Anthracene	468	72.3	ug/Kg dry	13.9	05/19/22 18:11	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-108
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-04 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Azobenzene as 1,2-Diphenylhydrazine	< 48.2	48.2		ug/Kg dry	6.89	05/19/22 18:11	B2E0535	LP	2
Benzidine	< 409	409		ug/Kg dry	409	05/19/22 18:11	B2E0535	LP	2
Benzo(a)anthracene	2270	72.3		ug/Kg dry	12.1	05/19/22 18:11	B2E0535	LP	2
Benzo(a)pyrene	2290	90.0		ug/Kg dry	14.8	05/19/22 18:11	B2E0535	LP	2
Benzo(b)fluoranthene	2910	72.3		ug/Kg dry	19.3	05/19/22 18:11	B2E0535	LP	2
Benzo(g,h,i)perylene	1460	96.4		ug/Kg dry	10.7	05/19/22 18:11	B2E0535	LP	2
Benzo(k)fluoranthene	941	96.4		ug/Kg dry	11.8	05/19/22 18:11	B2E0535	LP	2
Benzoic acid	< 3860	3860		ug/Kg dry	240	05/19/22 18:11	B2E0535	LP	2
Benzyl alcohol	< 72.3	72.3		ug/Kg dry	12.4	05/19/22 18:11	B2E0535	LP	2
Bis(2-chloroethoxy)methane	< 48.2	48.2		ug/Kg dry	10.6	05/19/22 18:11	B2E0535	LP	2
Bis(2-chloroethyl)ether	< 660	660		ug/Kg dry	128	05/19/22 18:11	B2E0535	LP	2
Bis(2-chloroisopropyl)ether	< 1930	1930		ug/Kg dry	163	05/19/22 18:11	B2E0535	LP	2
Bis(2-ethylhexyl)phthalate	< 482	482		ug/Kg dry	81.6	05/19/22 18:11	B2E0535	LP	2
Butyl benzyl phthalate	< 145	145		ug/Kg dry	20.0	05/19/22 18:11	B2E0535	LP	2
Carbazole	< 48.2	48.2		ug/Kg dry	8.12	05/19/22 18:11	B2E0535	LP	2
Chrysene	2500	48.2		ug/Kg dry	7.68	05/19/22 18:11	B2E0535	LP	2
Dibenzo(a,h)anthracene	390	72.3		ug/Kg dry	29.3	05/19/22 18:11	B2E0535	LP	2
Dibenzofuran	< 72.3	72.3		ug/Kg dry	10.7	05/19/22 18:11	B2E0535	LP	2
Diethyl phthalate	< 482	482		ug/Kg dry	83.2	05/19/22 18:11	B2E0535	LP	2
Dimethyl phthalate	< 48.2	48.2		ug/Kg dry	9.67	05/19/22 18:11	B2E0535	LP	2
Di-n-butyl phthalate	< 145	145		ug/Kg dry	26.8	05/19/22 18:11	B2E0535	LP	2
Di-n-octyl phthalate	< 72.3	72.3		ug/Kg dry	17.7	05/19/22 18:11	B2E0535	LP	2
Fluoranthene	2270	72.3		ug/Kg dry	15.6	05/19/22 18:11	B2E0535	LP	2
Fluorene	76.3	48.2		ug/Kg dry	9.49	05/19/22 18:11	B2E0535	LP	2
Hexachlorobenzene	< 48.2	48.2		ug/Kg dry	9.28	05/19/22 18:11	B2E0535	LP	2
Hexachlorobutadiene	< 96.4	96.4		ug/Kg dry	14.8	05/19/22 18:11	B2E0535	LP	2
Hexachlorocyclopentadiene	< 1100	1100		ug/Kg dry	181	05/19/22 18:11	B2E0535	LP	2
Hexachloroethane	< 96.4	96.4		ug/Kg dry	13.2	05/19/22 18:11	B2E0535	LP	2
Indeno(1,2,3-cd)pyrene	1680	72.3		ug/Kg dry	19.1	05/19/22 18:11	B2E0535	LP	2
Isophorone	< 72.3	72.3		ug/Kg dry	9.22	05/19/22 18:11	B2E0535	LP	2
Naphthalene	< 72.3	72.3		ug/Kg dry	13.9	05/19/22 18:11	B2E0535	LP	2
Nitrobenzene	< 96.4	96.4		ug/Kg dry	12.5	05/19/22 18:11	B2E0535	LP	2
N-Nitrosodimethylamine	< 96.4	96.4		ug/Kg dry	18.2	05/19/22 18:11	B2E0535	LP	2
N-Nitrosodi-n-propylamine	< 22.6	22.6		ug/Kg dry	22.6	05/19/22 18:11	B2E0535	LP	2
N-Nitrosodiphenylamine	< 72.3	72.3		ug/Kg dry	16.7	05/19/22 18:11	B2E0535	LP	2
Pentachlorophenol	< 130	130		ug/Kg dry	130	05/19/22 18:11	B2E0535	LP	2
Phenanthrene	546	72.3		ug/Kg dry	12.5	05/19/22 18:11	B2E0535	LP	2
Phenol	< 96.4	96.4		ug/Kg dry	13.3	05/19/22 18:11	B2E0535	LP	2
Pyrene	2550	72.3		ug/Kg dry	13.3	05/19/22 18:11	B2E0535	LP	2
Surrogate: 2-Fluorophenol				Recovery: 39%	Limits: 10-101	05/19/22 18:11	B2E0535	LP	2
Surrogate: Phenol-d5				Recovery: 52%	Limits: 10-110	05/19/22 18:11	B2E0535	LP	2
Surrogate: Nitrobenzene-d5				Recovery: 58%	Limits: 16-114	05/19/22 18:11	B2E0535	LP	2
Surrogate: 2-Fluorobiphenyl				Recovery: 74%	Limits: 15-117	05/19/22 18:11	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-108
Report Date: 05/23/2022
Collection Date: 05/12/2022 13:00
Matrix: Solid
Lab ID: 22E0532-04 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 66%		Limits: 10-118	05/19/22 18:11	B2E0535	LP	2
Surrogate: 4-Terphenyl-d14			Recovery: 95%		Limits: 12-144	05/19/22 18:11	B2E0535	LP	2

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-003 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-05

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.43	1.43			mg/Kg dry	0.572	05/19/22 20:59	B2E0566	CS2	1
Arsenic	2.91	1.43			mg/Kg dry	0.411	05/19/22 20:59	B2E0566	CS2	1
Barium	71.7	1.43			mg/Kg dry	0.223	05/19/22 20:59	B2E0566	CS2	1
Beryllium	0.357	0.143			mg/Kg dry	0.0343	05/19/22 20:59	B2E0566	CS2	1
Cadmium	0.263	0.143			mg/Kg dry	0.0286	05/19/22 20:59	B2E0566	CS2	1
Chromium	16.1	1.43			mg/Kg dry	0.394	05/19/22 20:59	B2E0566	CS2	1
Cobalt	9.21	1.43			mg/Kg dry	0.223	05/19/22 20:59	B2E0566	CS2	1
Copper	19.1	1.43			mg/Kg dry	0.337	05/19/22 20:59	B2E0566	CS2	1
Iron	21400	714			mg/Kg dry	343	05/19/22 18:50	B2E0566	CS2	100
Lead	27.7	1.43			mg/Kg dry	0.343	05/19/22 20:59	B2E0566	CS2	1
Manganese	904	14.3			mg/Kg dry	2.40	05/19/22 14:21	B2E0566	CS2	10
Nickel	21.9	1.43			mg/Kg dry	0.251	05/19/22 20:59	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.411	05/19/22 20:59	B2E0566	CS2	1
Silver	< 1.43	1.43			mg/Kg dry	0.286	05/19/22 20:59	B2E0566	CS2	1
Thallium	< 1.43	1.43			mg/Kg dry	0.549	05/19/22 20:59	B2E0566	CS2	1
Vanadium	19.8	1.43			mg/Kg dry	0.194	05/19/22 20:59	B2E0566	CS2	1
Zinc	71.4	5.72			mg/Kg dry	1.23	05/19/22 20:59	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:41		B2E0554	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/18/22 15:41		B2E0554	KJ1	5
Barium, TCLP	0.314	0.0250			mg/L	0.00200	05/18/22 15:41		B2E0554	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:41		B2E0554	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:41		B2E0554	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:41		B2E0554	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:41		B2E0554	KJ1	5
Copper, TCLP	0.0346	0.0250			mg/L	0.00250	05/18/22 15:41		B2E0554	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/18/22 15:41		B2E0554	KJ1	5
Manganese, TCLP	0.227	0.0250			mg/L	0.00250	05/18/22 15:41		B2E0554	KJ1	5
Nickel, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:41		B2E0554	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:41		B2E0554	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/18/22 15:41		B2E0554	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/18/22 15:41		B2E0554	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/18/22 15:41		B2E0554	KJ1	5
Zinc, TCLP	0.0261	0.0250			mg/L	0.0100	05/18/22 15:41		B2E0554	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-003 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-05 (Continued)

Analyses	Result	EMT Reporting		Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual						
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/19/22 14:04	B2E0596	GSB	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.032	05/19/22 14:04	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	84.7	0.100		% (Percent)	0.0240	05/16/22 05:52	B2E0464	MKP	1
Method: SW9045C									
pH	7.66			pH Units		05/18/22 11:47	B2E0586	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 9.16	9.16	J3	ug/Kg dry	1.74	05/19/22 22:50	B2E0542	kp2	1
4,4'-DDE	< 4.58	4.58	J3	ug/Kg dry	0.270	05/19/22 22:50	B2E0542	kp2	1
4,4'-DDT	< 9.16	9.16	J3	ug/Kg dry	2.25	05/19/22 23:11	B2E0542	kp2	1
Aldrin	< 4.58	4.58	J3	ug/Kg dry	0.680	05/19/22 22:50	B2E0542	kp2	1
alpha-BHC	< 2.29	2.29	J3	ug/Kg dry	0.369	05/19/22 23:11	B2E0542	kp2	1
alpha-Chlordane	< 4.58	4.58	J3	ug/Kg dry	0.809	05/19/22 22:50	B2E0542	kp2	1
beta-BHC	< 9.16	9.16		ug/Kg dry	1.28	05/19/22 23:11	B2E0542	kp2	1
delta BHC	2.29	2.29		ug/Kg dry	0.519	05/19/22 23:11	B2E0542	kp2	1
Dieldrin	< 4.58	4.58	J3	ug/Kg dry	0.712	05/19/22 23:11	B2E0542	kp2	1
Endosulfan I	< 4.58	4.58		ug/Kg dry	1.09	05/19/22 22:50	B2E0542	kp2	1
Endosulfan II	< 4.58	4.58		ug/Kg dry	1.04	05/19/22 22:50	B2E0542	kp2	1
Endosulfan sulfate	< 9.16	9.16		ug/Kg dry	1.21	05/19/22 22:50	B2E0542	kp2	1
Endrin	< 4.58	4.58	J3	ug/Kg dry	0.825	05/19/22 22:50	B2E0542	kp2	1
Endrin aldehyde	< 9.16	9.16		ug/Kg dry	1.33	05/19/22 23:11	B2E0542	kp2	1
Endrin ketone	< 9.16	9.16		ug/Kg dry	1.41	05/19/22 22:50	B2E0542	kp2	1
gamma-BHC	< 4.58	4.58	J3	ug/Kg dry	0.333	05/19/22 22:50	B2E0542	kp2	1
gamma-Chlordane	< 9.16	9.16	J3	ug/Kg dry	1.96	05/19/22 23:11	B2E0542	kp2	1
Heptachlor	< 9.16	9.16		ug/Kg dry	1.30	05/19/22 22:50	B2E0542	kp2	1
Heptachlor epoxide	< 9.16	9.16	J3	ug/Kg dry	1.26	05/19/22 22:50	B2E0542	kp2	1
Methoxychlor	< 9.16	9.16		ug/Kg dry	2.20	05/19/22 22:50	B2E0542	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 77%	Limits: 23-110	05/19/22 22:50	B2E0542	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 75%	Limits: 32-109	05/19/22 22:50	B2E0542	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.229	0.229		mg/Kg dry	0.0435	05/19/22 12:38	B2E0543	CS2	1
Aroclor 1221	< 0.343	0.343		mg/Kg dry	0.0927	05/19/22 12:38	B2E0543	CS2	1
Aroclor 1232	< 0.343	0.343		mg/Kg dry	0.0698	05/19/22 12:38	B2E0543	CS2	1
Aroclor 1242	< 0.343	0.343		mg/Kg dry	0.0756	05/19/22 12:38	B2E0543	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-003 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-05 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.343	0.343	mg/Kg dry	0.0698	05/19/22 12:38	B2E0543	CS2	1
Aroclor 1254	< 0.229	0.229	mg/Kg dry	0.0378	05/19/22 12:38	B2E0543	CS2	1
Aroclor 1260	< 0.229	0.229	mg/Kg dry	0.0492	05/19/22 12:38	B2E0543	CS2	1
Total PCB	< 0.343	0.343	mg/Kg dry	0.0927	05/19/22 12:38	B2E0543	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 70%	Limits: 10-127	05/19/22 12:38	B2E0543	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 61%	Limits: 11-119	05/19/22 12:38	B2E0543	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 228	228	ug/Kg dry	42.3	05/18/22 02:47	B2E0490	CG1	1
2,4,5-TP (Silvex)	< 456	456	ug/Kg dry	62.8	05/18/22 02:47	B2E0490	CG1	1
2,4-D	< 456	456	ug/Kg dry	40.7	05/18/22 02:47	B2E0490	CG1	1
2,4-DB	< 228	228	ug/Kg dry	30.9	05/18/22 09:06	B2E0490	CG1	1
Dalapon	< 1400	1400	ug/Kg dry	1400	05/18/22 09:06	B2E0490	CG1	1
Dicamba	< 456	456	ug/Kg dry	79.3	05/18/22 09:06	B2E0490	CG1	1
Dichlorprop	< 228	228	ug/Kg dry	37.1	05/18/22 02:47	B2E0490	CG1	1
Dinoseb	< 340	340	ug/Kg dry	97.7	05/18/22 02:47	B2E0490	CG1	1
MCPA	< 228	228	ug/Kg dry	33.6	05/18/22 02:47	B2E0490	CG1	1
MCPP	< 228	228	ug/Kg dry	41.9	05/18/22 02:47	B2E0490	CG1	1
Pentachlorophenol	< 456	456	ug/Kg dry	109	05/18/22 02:47	B2E0490	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 68%	Limits: 10-116	05/18/22 02:47	B2E0490	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.64	1.64	ug/Kg dry	0.332	05/19/22 02:18	B2E0644	KS1	1
1,1,1-Trichloroethane	< 1.64	1.64	ug/Kg dry	0.336	05/19/22 02:18	B2E0644	KS1	1
1,1,2,2-Tetrachloroethane	< 1.64	1.64	ug/Kg dry	0.293	05/19/22 02:18	B2E0644	KS1	1
1,1,2-Trichloroethane	1.64	1.64	ug/Kg dry	0.360	05/19/22 02:18	B2E0644	K 1	1
1,1-Dichloroethane	< 3.28	3.28	ug/Kg dry	0.446	05/19/22 02:18	B2E0644	KS1	1
1,1-Dichloroethene	< 1.64	1.64	ug/Kg dry	0.356	05/19/22 02:18	B2E0644	KS1	1
1,1-Dichloropropene	< 16.4	16.4	ug/Kg dry	2.33	05/19/22 02:18	B2E0644	KS1	1
1,2,3-Trichlorobenzene	< 32.8	32.8	ug/Kg dry	5.32	05/19/22 02:18	B2E0644	KS1	1
1,2,3-Trichloropropane	< 16.4	16.4	ug/Kg dry	3.14	05/19/22 02:18	B2E0644	KS1	1
1,2,4-Trichlorobenzene	< 32.8	32.8	ug/Kg dry	5.22	05/19/22 02:18	B2E0644	KS1	1
1,2,4-Trimethylbenzene	< 6.57	6.57	ug/Kg dry	0.884	05/19/22 02:18	B2E0644	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.36	05/19/22 02:18	B2E0644	KS1	1
1,2-Dibromoethane	< 1.64	1.64	ug/Kg dry	0.223	05/19/22 02:18	B2E0644	KS1	1
1,2-Dichloroethane	< 1.64	1.64	ug/Kg dry	0.337	05/19/22 02:18	B2E0644	KS1	1
1,2-Dichloropropane	< 1.64	1.64	ug/Kg dry	0.397	05/19/22 02:18	B2E0644	KS1	1
1,3,5-Trimethylbenzene	< 3.28	3.28	ug/Kg dry	0.820	05/19/22 02:18	B2E0644	KS1	1
1,3-Dichloropropane	< 1.64	1.64	ug/Kg dry	0.367	05/19/22 02:18	B2E0644	KS1	1
2,2-Dichloropropane	< 1.64	1.64	ug/Kg dry	0.272	05/19/22 02:18	B2E0644	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-003 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-05 (Continued)

Analyses	Result	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit	Qual	Units					
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5035 (Continued)									
2-Butanone	< 23.0	23.0		ug/Kg dry	5.59	05/19/22 02:18	B2E0644	KS1	1
2-Chlorotoluene	< 3.28	3.28		ug/Kg dry	0.720	05/19/22 02:18	B2E0644	KS1	1
2-Hexanone	< 23.0	23.0		ug/Kg dry	4.36	05/19/22 02:18	B2E0644	KS1	1
4-Chlorotoluene	< 3.28	3.28		ug/Kg dry	0.719	05/19/22 02:18	B2E0644	KS1	1
4-Isopropyltoluene	< 6.57	6.57		ug/Kg dry	0.962	05/19/22 02:18	B2E0644	KS1	1
4-Methyl-2-pentanone	< 23.0	23.0		ug/Kg dry	3.35	05/19/22 02:18	B2E0644	KS1	1
Acetone	< 57.5	57.5		ug/Kg dry	9.93	05/19/22 02:18	B2E0644	KS1	1
Benzene	< 1.64	1.64		ug/Kg dry	0.237	05/19/22 02:18	B2E0644	KS1	1
Bromobenzene	< 3.28	3.28		ug/Kg dry	0.462	05/19/22 02:18	B2E0644	KS1	1
Bromochloromethane	< 3.28	3.28		ug/Kg dry	0.576	05/19/22 02:18	B2E0644	KS1	1
Bromodichloromethane	< 1.64	1.64		ug/Kg dry	0.395	05/19/22 02:18	B2E0644	KS1	1
Bromoform	< 3.28	3.28		ug/Kg dry	0.517	05/19/22 02:18	B2E0644	KS1	1
Bromomethane	< 16.4	16.4		ug/Kg dry	1.97	05/19/22 02:18	B2E0644	KS1	1
Carbon disulfide	< 3.28	3.28		ug/Kg dry	0.494	05/19/22 02:18	B2E0644	KS1	1
Carbon tetrachloride	< 16.4	16.4		ug/Kg dry	2.29	05/19/22 02:18	B2E0644	KS1	1
Chlorobenzene	< 3.28	3.28		ug/Kg dry	0.427	05/19/22 02:18	B2E0644	KS1	1
Chloroethane	< 6.57	6.57		ug/Kg dry	1.16	05/19/22 02:18	B2E0644	KS1	1
Chloroform	< 3.28	3.28		ug/Kg dry	0.600	05/19/22 02:18	B2E0644	KS1	1
Chloromethane	6.57	6.57		ug/Kg dry	1.20	05/19/22 02:18	B2E0644	K 1	1
cis-1,2-Dichloroethene	< 3.28	3.28		ug/Kg dry	0.468	05/19/22 02:18	B2E0644	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.568	05/19/22 02:18	B2E0644	KS1	1
Dibromochloromethane	< 1.64	1.64		ug/Kg dry	0.390	05/19/22 02:18	B2E0644	KS1	1
Dibromomethane	< 1.64	1.64		ug/Kg dry	0.300	05/19/22 02:18	B2E0644	KS1	1
Dichlorodifluoromethane	8.21	8.21		ug/Kg dry	0.993	05/19/22 02:18	B2E0644	K 1	1
Ethylbenzene	< 6.57	6.57		ug/Kg dry	0.850	05/19/22 02:18	B2E0644	KS1	1
Isopropylbenzene	< 3.28	3.28		ug/Kg dry	0.816	05/19/22 02:18	B2E0644	KS1	1
m,p-Xylene	< 6.57	6.57		ug/Kg dry	1.33	05/19/22 02:18	B2E0644	KS1	1
Methyl tert-butyl ether	< 1.64	1.64		ug/Kg dry	0.275	05/19/22 02:18	B2E0644	KS1	1
Methylene chloride	< 16.4	16.4		ug/Kg dry	3.23	05/19/22 02:18	B2E0644	KS1	1
n-Butylbenzene	< 16.4	16.4		ug/Kg dry	2.35	05/19/22 02:18	B2E0644	KS1	1
n-Propylbenzene	< 3.28	3.28		ug/Kg dry	0.786	05/19/22 02:18	B2E0644	KS1	1
o-Xylene	< 6.57	6.57		ug/Kg dry	0.838	05/19/22 02:18	B2E0644	KS1	1
sec-Butylbenzene	< 3.28	3.28		ug/Kg dry	0.806	05/19/22 02:18	B2E0644	KS1	1
Styrene	< 6.57	6.57		ug/Kg dry	0.901	05/19/22 02:18	B2E0644	KS1	1
tert-Butylbenzene	< 3.28	3.28		ug/Kg dry	0.312	05/19/22 02:18	B2E0644	KS1	1
Tetrachloroethene	< 3.28	3.28		ug/Kg dry	0.480	05/19/22 02:18	B2E0644	KS1	1
Toluene	< 1.64	1.64		ug/Kg dry	0.297	05/19/22 02:18	B2E0644	KS1	1
trans-1,2-Dichloroethene	< 3.28	3.28		ug/Kg dry	0.760	05/19/22 02:18	B2E0644	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.672	05/19/22 02:18	B2E0644	KS1	1
Trichloroethene	< 1.64	1.64		ug/Kg dry	0.398	05/19/22 02:18	B2E0644	KS1	1
Trichlorofluoromethane	< 1.64	1.64		ug/Kg dry	0.340	05/19/22 02:18	B2E0644	KS1	1
Vinyl acetate	< 3.28	3.28		ug/Kg dry	0.419	05/19/22 02:18	B2E0644	KS1	1
Vinyl chloride	< 3.28	3.28		ug/Kg dry	0.586	05/19/22 02:18	B2E0644	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-003 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-05 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 9.85	9.85	ug/Kg dry	2.10	05/19/22 02:18	B2E0644	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.517	05/19/22 02:18	B2E0644	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 109%	Limits: 80-141	05/19/22 02:18	B2E0644	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 117%	Limits: 79-150	05/19/22 02:18	B2E0644	KS1	1
Surrogate: Fluorobenzene			Recovery: 96%	Limits: 88-111	05/19/22 02:18	B2E0644	KS1	1
Surrogate: Toluene-d8			Recovery: 104%	Limits: 78-121	05/19/22 02:18	B2E0644	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 113%	Limits: 82-137	05/19/22 02:18	B2E0644	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 109%	Limits: 81-135	05/19/22 02:18	B2E0644	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 35.3	35.3	ug/Kg dry	6.66	05/19/22 14:44	B2E0535	LP	1
1,2-Dichlorobenzene	< 35.3	35.3	ug/Kg dry	6.13	05/19/22 14:44	B2E0535	LP	1
1,3-Dichlorobenzene	< 35.3	35.3	ug/Kg dry	5.83	05/19/22 14:44	B2E0535	LP	1
1,4-Dichlorobenzene	< 35.3	35.3	ug/Kg dry	5.60	05/19/22 14:44	B2E0535	LP	1
1-Methylnaphthalene	< 35.3	35.3	ug/Kg dry	6.62	05/19/22 14:44	B2E0535	LP	1
2,4,5-Trichlorophenol	< 23.6	23.6	ug/Kg dry	4.18	05/19/22 14:44	B2E0535	LP	1
2,4,6-Trichlorophenol	< 23.6	23.6	ug/Kg dry	7.80	05/19/22 14:44	B2E0535	LP	1
2,4-Dichlorophenol	< 23.6	23.6	ug/Kg dry	3.77	05/19/22 14:44	B2E0535	LP	1
2,4-Dimethylphenol	< 70.7	70.7	ug/Kg dry	4.86	05/19/22 14:44	B2E0535	LP	1
2,4-Dinitrophenol	589	589	ug/Kg dry	80.1	05/19/22 14:44	B2E0535	LP	1
2,4-Dinitrotoluene	< 35.3	35.3	ug/Kg dry	7.77	05/19/22 14:44	B2E0535	LP	1
2,6-Dinitrotoluene	< 23.6	23.6	ug/Kg dry	4.19	05/19/22 14:44	B2E0535	LP	1
2-Chloronaphthalene	< 23.6	23.6	ug/Kg dry	5.00	05/19/22 14:44	B2E0535	LP	1
2-Chlorophenol	< 23.6	23.6	ug/Kg dry	5.26	05/19/22 14:44	B2E0535	LP	1
2-Methylnaphthalene	< 35.3	35.3	ug/Kg dry	5.74	05/19/22 14:44	B2E0535	LP	1
2-Methylphenol	< 11.8	11.8	ug/Kg dry	2.71	05/19/22 14:44	B2E0535	LP	1
2-Nitroaniline	< 35.3	35.3	ug/Kg dry	7.17	05/19/22 14:44	B2E0535	LP	1
2-Nitrophenol	< 35.3	35.3	ug/Kg dry	9.88	05/19/22 14:44	B2E0535	LP	1
3,3'-Dichlorobenzidine	< 141	141	ug/Kg dry	22.4	05/19/22 14:44	B2E0535	LP	1
3 & 4-Me hylphenol	< 47.1	47.1	ug/Kg dry	9.19	05/19/22 14:44	B2E0535	LP	1
3-Nitroaniline	< 35.3	35.3	ug/Kg dry	12.5	05/19/22 14:44	B2E0535	LP	1
4,6-Dinitro-2-methylphenol	< 942	942	ug/Kg dry	139	05/19/22 14:44	B2E0535	LP	1
4-Bromophenyl-phenylether	< 35.3	35.3	ug/Kg dry	6.24	05/19/22 14:44	B2E0535	LP	1
4-Chloro-3-methylphenol	< 23.6	23.6	ug/Kg dry	3.23	05/19/22 14:44	B2E0535	LP	1
4-Chloroaniline	< 35.3	35.3	ug/Kg dry	5.66	05/19/22 14:44	B2E0535	LP	1
4-Chlorophenyl-phenylether	< 35.3	35.3	ug/Kg dry	5.97	05/19/22 14:44	B2E0535	LP	1
4-Nitroaniline	< 47.1	47.1	ug/Kg dry	4.67	05/19/22 14:44	B2E0535	LP	1
4-Nitrophenol	< 942	942	ug/Kg dry	156	05/19/22 14:44	B2E0535	LP	1
Acenaphthene	< 23.6	23.6	ug/Kg dry	4.73	05/19/22 14:44	B2E0535	LP	1
Acenaphthylene	< 23.6	23.6	ug/Kg dry	5.31	05/19/22 14:44	B2E0535	LP	1
Anthracene	< 35.3	35.3	ug/Kg dry	6.80	05/19/22 14:44	B2E0535	LP	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-003 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-05 (Continued)

Analyses	EMT Reporting				MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual	Units					
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Azobenzene as 1,2-Diphenylhydrazine	< 23.6	23.6		ug/Kg dry	3.37	05/19/22 14:44	B2E0535	LP	1
Benzidine	< 200	200	J2	ug/Kg dry	200	05/19/22 14:44	B2E0535	LP	1
Benzo(a)anthracene	136	35.3		ug/Kg dry	5.91	05/19/22 14:44	B2E0535	LP	1
Benzo(a)pyrene	120	90.0		ug/Kg dry	7.22	05/19/22 14:44	B2E0535	LP	1
Benzo(b)fluoranthene	148	35.3		ug/Kg dry	9.45	05/19/22 14:44	B2E0535	LP	1
Benzo(g,h,i)perylene	76.2	47.1		ug/Kg dry	5.23	05/19/22 14:44	B2E0535	LP	1
Benzo(k)fluoranthene	56.1	47.1		ug/Kg dry	5.75	05/19/22 14:44	B2E0535	LP	1
Benzoic acid	< 1880	1880		ug/Kg dry	117	05/19/22 14:44	B2E0535	LP	1
Benzyl alcohol	< 35.3	35.3		ug/Kg dry	6.05	05/19/22 14:44	B2E0535	LP	1
Bis(2-chloroethoxy)methane	< 23.6	23.6		ug/Kg dry	5.16	05/19/22 14:44	B2E0535	LP	1
Bis(2-chloroethyl)ether	< 589	589		ug/Kg dry	62.4	05/19/22 14:44	B2E0535	LP	1
Bis(2-chloroisopropyl)ether	< 942	942		ug/Kg dry	79.5	05/19/22 14:44	B2E0535	LP	1
Bis(2-ethylhexyl)phthalate	< 236	236		ug/Kg dry	39.9	05/19/22 14:44	B2E0535	LP	1
Butyl benzyl phthalate	< 70.7	70.7		ug/Kg dry	9.76	05/19/22 14:44	B2E0535	LP	1
Carbazole	< 23.6	23.6		ug/Kg dry	3.97	05/19/22 14:44	B2E0535	LP	1
Chrysene	141	23.6		ug/Kg dry	3.75	05/19/22 14:44	B2E0535	LP	1
Dibenzo(a,h)anthracene	< 35.3	35.3		ug/Kg dry	14.3	05/19/22 14:44	B2E0535	LP	1
Dibenzofuran	< 35.3	35.3		ug/Kg dry	5.24	05/19/22 14:44	B2E0535	LP	1
Diethyl phthalate	< 236	236		ug/Kg dry	40.7	05/19/22 14:44	B2E0535	LP	1
Dimethyl phthalate	< 23.6	23.6		ug/Kg dry	4.73	05/19/22 14:44	B2E0535	LP	1
Di-n-butyl phthalate	< 70.7	70.7		ug/Kg dry	13.1	05/19/22 14:44	B2E0535	LP	1
Di-n-octyl phthalate	< 35.3	35.3		ug/Kg dry	8.63	05/19/22 14:44	B2E0535	LP	1
Fluoranthene	320	35.3		ug/Kg dry	7.64	05/19/22 14:44	B2E0535	LP	1
Fluorene	< 23.6	23.6		ug/Kg dry	4.64	05/19/22 14:44	B2E0535	LP	1
Hexachlorobenzene	< 23.6	23.6		ug/Kg dry	4.53	05/19/22 14:44	B2E0535	LP	1
Hexachlorobutadiene	< 47.1	47.1		ug/Kg dry	7.25	05/19/22 14:44	B2E0535	LP	1
Hexachlorocyclopentadiene	< 942	942		ug/Kg dry	88.6	05/19/22 14:44	B2E0535	LP	1
Hexachloroethane	< 47.1	47.1		ug/Kg dry	6.46	05/19/22 14:44	B2E0535	LP	1
Indeno(1,2,3-cd)pyrene	92.7	35.3		ug/Kg dry	9.33	05/19/22 14:44	B2E0535	LP	1
Isophorone	< 35.3	35.3		ug/Kg dry	4.50	05/19/22 14:44	B2E0535	LP	1
Naphthalene	< 35.3	35.3		ug/Kg dry	6.77	05/19/22 14:44	B2E0535	LP	1
Nitrobenzene	< 47.1	47.1		ug/Kg dry	6.11	05/19/22 14:44	B2E0535	LP	1
N-Nitrosodimethylamine	< 47.1	47.1		ug/Kg dry	8.91	05/19/22 14:44	B2E0535	LP	1
N-Nitrosodi-n-propylamine	< 11.0	11.0		ug/Kg dry	11.0	05/19/22 14:44	B2E0535	LP	1
N-Nitrosodiphenylamine	< 35.3	35.3		ug/Kg dry	8.17	05/19/22 14:44	B2E0535	LP	1
Pentachlorophenol	< 63.4	63.4		ug/Kg dry	63.4	05/19/22 14:44	B2E0535	LP	1
Phenanthrene	157	35.3		ug/Kg dry	6.11	05/19/22 14:44	B2E0535	LP	1
Phenol	< 47.1	47.1		ug/Kg dry	6.50	05/19/22 14:44	B2E0535	LP	1
Pyrene	274	35.3		ug/Kg dry	6.49	05/19/22 14:44	B2E0535	LP	1
Surrogate: 2-Fluorophenol				Recovery: 58%	Limits: 10-101	05/19/22 14:44	B2E0535	LP	1
Surrogate: Phenol-d5				Recovery: 62%	Limits: 10-110	05/19/22 14:44	B2E0535	LP	1
Surrogate: Nitrobenzene-d5				Recovery: 64%	Limits: 16-114	05/19/22 14:44	B2E0535	LP	1
Surrogate: 2-Fluorobiphenyl				Recovery: 70%	Limits: 15-117	05/19/22 14:44	B2E0535	LP	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-003 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-05 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 66%		Limits: 10-118	05/19/22 14:44	B2E0535	LP	1
Surrogate: 4-Terphenyl-d14			Recovery: 80%		Limits: 12-144	05/19/22 14:44	B2E0535	LP	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-008 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-06

Analyses	Result	EMT Reporting		Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
		Limit								
Metals by ICP-AES										
Method: SW6010D / SW3050										
Antimony	< 1.50	1.50			mg/Kg dry	0.602	05/19/22 21:03	B2E0566	CS2	1
Arsenic	1.90	1.50			mg/Kg dry	0.433	05/19/22 21:03	B2E0566	CS2	1
Barium	39.6	1.50			mg/Kg dry	0.235	05/19/22 21:03	B2E0566	CS2	1
Beryllium	0.214	0.150			mg/Kg dry	0.0361	05/19/22 21:03	B2E0566	CS2	1
Cadmium	< 0.150	0.150			mg/Kg dry	0.0301	05/19/22 21:03	B2E0566	CS2	1
Chromium	7.10	1.50			mg/Kg dry	0.415	05/19/22 21:03	B2E0566	CS2	1
Cobalt	4.75	1.50			mg/Kg dry	0.235	05/19/22 21:03	B2E0566	CS2	1
Copper	7.70	1.50			mg/Kg dry	0.355	05/19/22 21:03	B2E0566	CS2	1
Iron	22600	752			mg/Kg dry	361	05/19/22 19:02	B2E0566	CS2	100
Lead	12.0	1.50			mg/Kg dry	0.361	05/19/22 21:03	B2E0566	CS2	1
Manganese	524	15.0			mg/Kg dry	2.53	05/19/22 14:25	B2E0566	CS2	10
Nickel	9.61	1.50			mg/Kg dry	0.265	05/19/22 21:03	B2E0566	CS2	1
Selenium	< 1.30	1.30			mg/Kg dry	0.433	05/19/22 21:03	B2E0566	CS2	1
Silver	< 1.50	1.50			mg/Kg dry	0.301	05/19/22 21:03	B2E0566	CS2	1
Thallium	< 1.50	1.50			mg/Kg dry	0.578	05/19/22 21:03	B2E0566	CS2	1
Vanadium	12.1	1.50			mg/Kg dry	0.205	05/19/22 21:03	B2E0566	CS2	1
Zinc	30.6	6.02			mg/Kg dry	1.29	05/19/22 21:03	B2E0566	CS2	1

Metals by ICP-MS

Method: SW6020 B / SW3015 / SW1311

Antimony, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:43		B2E0554	KJ1	5
Arsenic, TCLP	< 0.0250	0.0250			mg/L	0.00200	05/18/22 15:43		B2E0554	KJ1	5
Barium, TCLP	0.312	0.0250			mg/L	0.00200	05/18/22 15:43		B2E0554	KJ1	5
Beryllium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:43		B2E0554	KJ1	5
Cadmium, TCLP	< 0.00250	0.00250			mg/L	0.000500	05/18/22 15:43		B2E0554	KJ1	5
Chromium, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:43		B2E0554	KJ1	5
Cobalt, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:43		B2E0554	KJ1	5
Copper, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:43		B2E0554	KJ1	5
Lead, TCLP	< 0.00750	0.00750			mg/L	0.00150	05/18/22 15:43		B2E0554	KJ1	5
Manganese, TCLP	0.812	0.0250			mg/L	0.00250	05/18/22 15:43		B2E0554	KJ1	5
Nickel, TCLP	< 0.0250	0.0250			mg/L	0.00250	05/18/22 15:43		B2E0554	KJ1	5
Selenium, TCLP	< 0.0250	0.0250			mg/L	0.00300	05/18/22 15:43		B2E0554	KJ1	5
Silver, TCLP	< 0.00250	0.00250			mg/L	0.000400	05/18/22 15:43		B2E0554	KJ1	5
Thallium, TCLP	< 0.0250	0.0250			mg/L	0.000400	05/18/22 15:43		B2E0554	KJ1	5
Vanadium, TCLP	< 0.0250	0.0250			mg/L	0.00150	05/18/22 15:43		B2E0554	KJ1	5
Zinc, TCLP	< 0.0250	0.0250			mg/L	0.0100	05/18/22 15:43		B2E0554	KJ1	5

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-008 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-06 (Continued)

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst	DF
Mercury by CVAA									
Method: SW7470A / SW1311									
Mercury, TCLP	< 0.00050	0.00050		mg/L	0.00020	05/18/22 15:43	B2E0596	GSB	1
Method: SW7471B									
Mercury	< 0.100	0.100		mg/Kg dry	0.037	05/19/22 14:06	B2E0616	GSB	1
Wet Chemistry									
Method: SM2540G									
Total Solids	80.3	0.100		% (Percent)	0.0240	05/16/22 05:54	B2E0464	MKP	1
Method: SW9045C									
pH	8.22			pH Units		05/18/22 11:47	B2E0586	LN1	1
Organochlorine Pesticides by GC/ECD									
Method: SW8081B / SW3546									
4,4'-DDD	< 9.48	9.48		ug/Kg dry	1.80	05/19/22 23:11	B2E0542	kp2	1
4,4'-DDE	< 4.74	4.74		ug/Kg dry	0.279	05/19/22 23:11	B2E0542	kp2	1
4,4'-DDT	< 9.48	9.48		ug/Kg dry	2.33	05/19/22 23:11	B2E0542	kp2	1
Aldrin	< 4.74	4.74		ug/Kg dry	0.704	05/19/22 23:11	B2E0542	kp2	1
alpha-BHC	< 2.37	2.37		ug/Kg dry	0.382	05/19/22 23:11	B2E0542	kp2	1
alpha-Chlordane	< 4.74	4.74		ug/Kg dry	0.837	05/19/22 23:11	B2E0542	kp2	1
beta-BHC	< 9.48	9.48		ug/Kg dry	1.32	05/19/22 23:11	B2E0542	kp2	1
delta BHC	2.37	2.37		ug/Kg dry	0.537	05/19/22 23:33	B2E0542	kp2	1
Dieldrin	< 4.74	4.74		ug/Kg dry	0.737	05/19/22 23:11	B2E0542	kp2	1
Endosulfan I	< 4.74	4.74		ug/Kg dry	1.13	05/19/22 23:11	B2E0542	kp2	1
Endosulfan II	< 4.74	4.74		ug/Kg dry	1.08	05/19/22 23:11	B2E0542	kp2	1
Endosulfan sulfate	< 9.48	9.48		ug/Kg dry	1.25	05/19/22 23:11	B2E0542	kp2	1
Endrin	< 4.74	4.74		ug/Kg dry	0.854	05/19/22 23:11	B2E0542	kp2	1
Endrin aldehyde	< 9.48	9.48		ug/Kg dry	1.38	05/19/22 23:11	B2E0542	kp2	1
Endrin ketone	< 9.48	9.48		ug/Kg dry	1.46	05/19/22 23:11	B2E0542	kp2	1
gamma-BHC	< 4.74	4.74		ug/Kg dry	0.344	05/19/22 23:11	B2E0542	kp2	1
gamma-Chlordane	< 9.48	9.48		ug/Kg dry	2.03	05/19/22 23:11	B2E0542	kp2	1
Heptachlor	< 9.48	9.48		ug/Kg dry	1.34	05/19/22 23:11	B2E0542	kp2	1
Heptachlor epoxide	< 9.48	9.48		ug/Kg dry	1.30	05/19/22 23:11	B2E0542	kp2	1
Methoxychlor	< 9.48	9.48		ug/Kg dry	2.28	05/19/22 23:11	B2E0542	kp2	1
Surrogate: Decachlorobiphenyl				Recovery: 54%	Limits: 23-110	05/19/22 23:11	B2E0542	kp2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene				Recovery: 50%	Limits: 32-109	05/19/22 23:33	B2E0542	kp2	1
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Method: SW8082A / SW3546									
Aroclor 1016	< 0.237	0.237		mg/Kg dry	0.0450	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1221	< 0.356	0.356		mg/Kg dry	0.0960	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1232	< 0.356	0.356		mg/Kg dry	0.0723	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1242	< 0.356	0.356		mg/Kg dry	0.0782	05/19/22 17:44	B2E0543	CS2	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-008 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-06 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Polychlorinated Biphenyls (PCBs) by GC/ECD (Continued)								
Method: SW8082A / SW3546 (Continued)								
Aroclor 1248	< 0.356	0.356	mg/Kg dry	0.0723	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1254	< 0.237	0.237	mg/Kg dry	0.0391	05/19/22 17:44	B2E0543	CS2	1
Aroclor 1260	< 0.237	0.237	mg/Kg dry	0.0510	05/19/22 17:44	B2E0543	CS2	1
Total PCB	< 0.356	0.356	mg/Kg dry	0.0960	05/19/22 17:44	B2E0543	CS2	1
Surrogate: Decachlorobiphenyl			Recovery: 50%	Limits: 10-127	05/19/22 17:44	B2E0543	CS2	1
Surrogate: 2,4,5,6-Tetrachloro-m-xylene			Recovery: 45%	Limits: 11-119	05/19/22 17:44	B2E0543	CS2	1

Herbicides by High Pressure Liquid Chromatography (HPLC)

Method: SW8321B / SW3546

2,4,5-T	< 242	242	ug/Kg dry	44.8	05/19/22 11:48	B2E0490	CG1	1
2,4,5-TP (Silvex)	< 484	484	ug/Kg dry	66.6	05/19/22 11:48	B2E0490	CG1	1
2,4-D	< 484	484	ug/Kg dry	43.1	05/19/22 11:48	B2E0490	CG1	1
2,4-DB	< 242	242	ug/Kg dry	32.8	05/19/22 11:48	B2E0490	CG1	1
Dalapon	< 9670	9670	ug/Kg dry	1480	05/19/22 11:48	B2E0490	CG1	1
Dicamba	< 484	484	ug/Kg dry	84.0	05/19/22 11:48	B2E0490	CG1	1
Dichlorprop	< 242	242	ug/Kg dry	39.3	05/19/22 11:48	B2E0490	CG1	1
Dinoseb	< 484	484	ug/Kg dry	104	05/19/22 11:48	B2E0490	CG1	1
MCPA	< 242	242	ug/Kg dry	35.6	05/19/22 11:48	B2E0490	CG1	1
MCPP	< 242	242	ug/Kg dry	44.4	05/19/22 11:48	B2E0490	CG1	1
Pentachlorophenol	< 484	484	ug/Kg dry	116	05/19/22 11:48	B2E0490	CG1	1
Surrogate: 3,5-Dichlorobenzoic Acid			Recovery: 36%	Limits: 10-116	05/19/22 11:48	B2E0490	CG1	1

Volatile Organic Compounds by GC/MS

Method: SW8260B/D / SW5035

1,1,1,2-Tetrachloroethane	< 1.48	1.48	ug/Kg dry	0.299	05/19/22 02:43	B2E0644	KS1	1
1,1,1-Trichloroethane	< 1.48	1.48	ug/Kg dry	0.302	05/19/22 02:43	B2E0644	KS1	1
1,1,2,2-Tetrachloroethane	< 1.48	1.48	ug/Kg dry	0.263	05/19/22 02:43	B2E0644	KS1	1
1,1,2-Trichloroethane	< 1.48	1.48	ug/Kg dry	0.324	05/19/22 02:43	B2E0644	KS1	1
1,1-Dichloroethane	< 2.95	2.95	ug/Kg dry	0.401	05/19/22 02:43	B2E0644	KS1	1
1,1-Dichloroethene	< 1.48	1.48	ug/Kg dry	0.320	05/19/22 02:43	B2E0644	KS1	1
1,1-Dichloropropene	< 14.8	14.8	ug/Kg dry	2.10	05/19/22 02:43	B2E0644	KS1	1
1,2,3-Trichlorobenzene	< 29.5	29.5	ug/Kg dry	4.78	05/19/22 02:43	B2E0644	KS1	1
1,2,3-Trichloropropane	< 14.8	14.8	ug/Kg dry	2.83	05/19/22 02:43	B2E0644	KS1	1
1,2,4-Trichlorobenzene	< 29.5	29.5	ug/Kg dry	4.70	05/19/22 02:43	B2E0644	KS1	1
1,2,4-Trimethylbenzene	< 5.91	5.91	ug/Kg dry	0.795	05/19/22 02:43	B2E0644	KS1	1
1,2-Dibromo-3-chloropropane	< 2.00	2.00	ug/Kg dry	1.22	05/19/22 02:43	B2E0644	KS1	1
1,2-Dibromoethane	< 1.48	1.48	ug/Kg dry	0.201	05/19/22 02:43	B2E0644	KS1	1
1,2-Dichloroethane	< 1.48	1.48	ug/Kg dry	0.303	05/19/22 02:43	B2E0644	KS1	1
1,2-Dichloropropane	< 1.48	1.48	ug/Kg dry	0.357	05/19/22 02:43	B2E0644	KS1	1
1,3,5-Trimethylbenzene	< 2.95	2.95	ug/Kg dry	0.738	05/19/22 02:43	B2E0644	KS1	1
1,3-Dichloropropane	< 1.48	1.48	ug/Kg dry	0.330	05/19/22 02:43	B2E0644	KS1	1
2,2-Dichloropropane	< 1.48	1.48	ug/Kg dry	0.244	05/19/22 02:43	B2E0644	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-008 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-06 (Continued)

Analyses	EMT Reporting				MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual	Units					
Volatile Organic Compounds by GC/MS (Continued)									
Method: SW8260B/D / SW5035 (Continued)									
2-Butanone	< 20.7	20.7		ug/Kg dry	5.03	05/19/22 02:43	B2E0644	KS1	1
2-Chlorotoluene	< 2.95	2.95		ug/Kg dry	0.647	05/19/22 02:43	B2E0644	KS1	1
2-Hexanone	< 20.7	20.7		ug/Kg dry	3.92	05/19/22 02:43	B2E0644	KS1	1
4-Chlorotoluene	< 2.95	2.95		ug/Kg dry	0.647	05/19/22 02:43	B2E0644	KS1	1
4-Isopropyltoluene	< 5.91	5.91		ug/Kg dry	0.865	05/19/22 02:43	B2E0644	KS1	1
4-Methyl-2-pentanone	< 20.7	20.7		ug/Kg dry	3.01	05/19/22 02:43	B2E0644	KS1	1
Acetone	< 51.7	51.7		ug/Kg dry	8.93	05/19/22 02:43	B2E0644	KS1	1
Benzene	< 1.48	1.48		ug/Kg dry	0.213	05/19/22 02:43	B2E0644	KS1	1
Bromobenzene	< 2.95	2.95		ug/Kg dry	0.415	05/19/22 02:43	B2E0644	KS1	1
Bromochloromethane	< 2.95	2.95		ug/Kg dry	0.518	05/19/22 02:43	B2E0644	KS1	1
Bromodichloromethane	< 1.48	1.48		ug/Kg dry	0.356	05/19/22 02:43	B2E0644	KS1	1
Bromoform	< 2.95	2.95		ug/Kg dry	0.465	05/19/22 02:43	B2E0644	KS1	1
Bromomethane	< 14.8	14.8		ug/Kg dry	1.77	05/19/22 02:43	B2E0644	KS1	1
Carbon disulfide	< 2.95	2.95		ug/Kg dry	0.444	05/19/22 02:43	B2E0644	KS1	1
Carbon tetrachloride	< 14.8	14.8		ug/Kg dry	2.06	05/19/22 02:43	B2E0644	KS1	1
Chlorobenzene	< 2.95	2.95		ug/Kg dry	0.384	05/19/22 02:43	B2E0644	KS1	1
Chloroethane	< 5.91	5.91		ug/Kg dry	1.04	05/19/22 02:43	B2E0644	KS1	1
Chloroform	< 2.95	2.95		ug/Kg dry	0.540	05/19/22 02:43	B2E0644	KS1	1
Chloromethane	5.91	5.91		ug/Kg dry	1.08	05/19/22 02:43	B2E0644	K 1	1
cis-1,2-Dichloroethene	< 2.95	2.95		ug/Kg dry	0.421	05/19/22 02:43	B2E0644	KS1	1
cis-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.511	05/19/22 02:43	B2E0644	KS1	1
Dibromochloromethane	< 1.48	1.48		ug/Kg dry	0.351	05/19/22 02:43	B2E0644	KS1	1
Dibromomethane	< 1.48	1.48		ug/Kg dry	0.270	05/19/22 02:43	B2E0644	KS1	1
Dichlorodifluoromethane	7.38	7.38		ug/Kg dry	0.893	05/19/22 02:43	B2E0644	K 1	1
Ethylbenzene	< 5.91	5.91		ug/Kg dry	0.764	05/19/22 02:43	B2E0644	KS1	1
Isopropylbenzene	< 2.95	2.95		ug/Kg dry	0.733	05/19/22 02:43	B2E0644	KS1	1
m,p-Xylene	< 5.91	5.91		ug/Kg dry	1.19	05/19/22 02:43	B2E0644	KS1	1
Methyl tert-butyl ether	< 1.48	1.48		ug/Kg dry	0.247	05/19/22 02:43	B2E0644	KS1	1
Methylene chloride	< 14.8	14.8		ug/Kg dry	2.90	05/19/22 02:43	B2E0644	KS1	1
n-Butylbenzene	< 14.8	14.8		ug/Kg dry	2.11	05/19/22 02:43	B2E0644	KS1	1
n-Propylbenzene	< 2.95	2.95		ug/Kg dry	0.706	05/19/22 02:43	B2E0644	KS1	1
o-Xylene	< 5.91	5.91		ug/Kg dry	0.754	05/19/22 02:43	B2E0644	KS1	1
sec-Butylbenzene	< 2.95	2.95		ug/Kg dry	0.725	05/19/22 02:43	B2E0644	KS1	1
Styrene	< 5.91	5.91		ug/Kg dry	0.810	05/19/22 02:43	B2E0644	KS1	1
tert-Butylbenzene	< 2.95	2.95		ug/Kg dry	0.281	05/19/22 02:43	B2E0644	KS1	1
Tetrachloroethene	< 2.95	2.95		ug/Kg dry	0.431	05/19/22 02:43	B2E0644	KS1	1
Toluene	< 1.48	1.48		ug/Kg dry	0.267	05/19/22 02:43	B2E0644	KS1	1
trans-1,2-Dichloroethene	< 2.95	2.95		ug/Kg dry	0.683	05/19/22 02:43	B2E0644	KS1	1
trans-1,3-Dichloropropene	< 4.00	4.00		ug/Kg dry	0.604	05/19/22 02:43	B2E0644	KS1	1
Trichloroethene	< 1.48	1.48		ug/Kg dry	0.358	05/19/22 02:43	B2E0644	KS1	1
Trichlorofluoromethane	< 1.48	1.48		ug/Kg dry	0.306	05/19/22 02:43	B2E0644	KS1	1
Vinyl acetate	< 2.95	2.95		ug/Kg dry	0.377	05/19/22 02:43	B2E0644	KS1	1
Vinyl chloride	< 2.95	2.95		ug/Kg dry	0.527	05/19/22 02:43	B2E0644	KS1	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-008 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-06 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Volatile Organic Compounds by GC/MS (Continued)								
Method: SW8260B/D / SW5035 (Continued)								
Xylenes, Total	< 8.86	8.86	ug/Kg dry	1.89	05/19/22 02:43	B2E0644	KS1	1
1,3-Dichloropropene, Total	< 4.00	4.00	ug/Kg dry	0.465	05/19/22 02:43	B2E0644	KS1	1
Surrogate: Dibromofluoromethane			Recovery: 112%	Limits: 80-141	05/19/22 02:43	B2E0644	KS1	1
Surrogate: 1,2-Dichloroethane-d4			Recovery: 118%	Limits: 79-150	05/19/22 02:43	B2E0644	KS1	1
Surrogate: Fluorobenzene			Recovery: 101%	Limits: 88-111	05/19/22 02:43	B2E0644	KS1	1
Surrogate: Toluene-d8			Recovery: 100%	Limits: 78-121	05/19/22 02:43	B2E0644	KS1	1
Surrogate: 4-Bromofluorobenzene			Recovery: 100%	Limits: 82-137	05/19/22 02:43	B2E0644	KS1	1
Surrogate: 1,2-Dichlorobenzene-d4			Recovery: 107%	Limits: 81-135	05/19/22 02:43	B2E0644	KS1	1
Semivolatile Organic Compounds by GC/MS								
Method: SW8270D / SW3550								
1,2,4-Trichlorobenzene	< 36.7	36.7	ug/Kg dry	6.91	05/19/22 15:35	B2E0535	LP	1
1,2-Dichlorobenzene	< 36.7	36.7	ug/Kg dry	6.37	05/19/22 15:35	B2E0535	LP	1
1,3-Dichlorobenzene	< 36.7	36.7	ug/Kg dry	6.06	05/19/22 15:35	B2E0535	LP	1
1,4-Dichlorobenzene	< 36.7	36.7	ug/Kg dry	5.81	05/19/22 15:35	B2E0535	LP	1
1-Methylnaphthalene	36.7	36.7	ug/Kg dry	6.88	05/19/22 15:35	B2E0535	LP	1
2,4,5-Trichlorophenol	< 24.4	24.4	ug/Kg dry	4.34	05/19/22 15:35	B2E0535	LP	1
2,4,6-Trichlorophenol	< 24.4	24.4	ug/Kg dry	8.09	05/19/22 15:35	B2E0535	LP	1
2,4-Dichlorophenol	< 24.4	24.4	ug/Kg dry	3.91	05/19/22 15:35	B2E0535	LP	1
2,4-Dimethylphenol	< 73.3	73.3	ug/Kg dry	5.04	05/19/22 15:35	B2E0535	LP	1
2,4-Dinitrophenol	< 611	611	ug/Kg dry	83.1	05/19/22 15:35	B2E0535	LP	1
2,4-Dinitrotoluene	< 36.7	36.7	ug/Kg dry	8.06	05/19/22 15:35	B2E0535	LP	1
2,6-Dinitrotoluene	< 24.4	24.4	ug/Kg dry	4.35	05/19/22 15:35	B2E0535	LP	1
2-Chloronaphthalene	< 24.4	24.4	ug/Kg dry	5.19	05/19/22 15:35	B2E0535	LP	1
2-Chlorophenol	< 24.4	24.4	ug/Kg dry	5.46	05/19/22 15:35	B2E0535	LP	1
2-Methylnaphthalene	< 36.7	36.7	ug/Kg dry	5.96	05/19/22 15:35	B2E0535	LP	1
2-Methylphenol	< 12.2	12.2	ug/Kg dry	2.81	05/19/22 15:35	B2E0535	LP	1
2-Nitroaniline	< 36.7	36.7	ug/Kg dry	7.44	05/19/22 15:35	B2E0535	LP	1
2-Nitrophenol	< 36.7	36.7	ug/Kg dry	10.3	05/19/22 15:35	B2E0535	LP	1
3,3'-Dichlorobenzidine	< 147	147	ug/Kg dry	23.3	05/19/22 15:35	B2E0535	LP	1
3 & 4-Me hylphenol	< 48.9	48.9	ug/Kg dry	9.54	05/19/22 15:35	B2E0535	LP	1
3-Nitroaniline	< 36.7	36.7	ug/Kg dry	13.0	05/19/22 15:35	B2E0535	LP	1
4,6-Dinitro-2-methylphenol	< 978	978	ug/Kg dry	144	05/19/22 15:35	B2E0535	LP	1
4-Bromophenyl-phenylether	< 36.7	36.7	ug/Kg dry	6.48	05/19/22 15:35	B2E0535	LP	1
4-Chloro-3-methylphenol	< 24.4	24.4	ug/Kg dry	3.35	05/19/22 15:35	B2E0535	LP	1
4-Chloroaniline	< 36.7	36.7	ug/Kg dry	5.87	05/19/22 15:35	B2E0535	LP	1
4-Chlorophenyl-phenylether	< 36.7	36.7	ug/Kg dry	6.20	05/19/22 15:35	B2E0535	LP	1
4-Nitroaniline	< 48.9	48.9	ug/Kg dry	4.85	05/19/22 15:35	B2E0535	LP	1
4-Nitrophenol	< 978	978	ug/Kg dry	162	05/19/22 15:35	B2E0535	LP	1
Acenaphthene	< 24.4	24.4	ug/Kg dry	4.91	05/19/22 15:35	B2E0535	LP	1
Acenaphthylene	< 24.4	24.4	ug/Kg dry	5.51	05/19/22 15:35	B2E0535	LP	1
Anthracene	< 36.7	36.7	ug/Kg dry	7.06	05/19/22 15:35	B2E0535	LP	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
 1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-008 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-06 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF
	Result	Limit	Qual Units					
Semivolatile Organic Compounds by GC/MS (Continued)								
Method: SW8270D / SW3550 (Continued)								
Azobenzene as 1,2-Diphenylhydrazine	< 24.4	24.4	ug/Kg dry	3.49	05/19/22 15:35	B2E0535	LP	1
Benzo(a)anthracene	< 207	207	ug/Kg dry	207	05/19/22 15:35	B2E0535	LP	1
Benzo(a)pyrene	< 36.7	36.7	ug/Kg dry	6.13	05/19/22 15:35	B2E0535	LP	1
Benzo(b)fluoranthene	< 90.0	90.0	ug/Kg dry	7.49	05/19/22 15:35	B2E0535	LP	1
Benzo(g,h,i)perylene	< 36.7	36.7	ug/Kg dry	9.81	05/19/22 15:35	B2E0535	LP	1
Benzo(k)fluoranthene	< 48.9	48.9	ug/Kg dry	5.43	05/19/22 15:35	B2E0535	LP	1
Benzoic acid	< 48.9	48.9	ug/Kg dry	5.97	05/19/22 15:35	B2E0535	LP	1
Benzyl alcohol	< 1960	1960	ug/Kg dry	122	05/19/22 15:35	B2E0535	LP	1
Bis(2-chloroethoxy)methane	< 36.7	36.7	ug/Kg dry	6.28	05/19/22 15:35	B2E0535	LP	1
Bis(2-chloroethyl)ether	< 24.4	24.4	ug/Kg dry	5.35	05/19/22 15:35	B2E0535	LP	1
Bis(2-chloroisopropyl)ether	< 611	611	ug/Kg dry	64.8	05/19/22 15:35	B2E0535	LP	1
Bis(2-ethylhexyl)phthalate	< 978	978	ug/Kg dry	82.5	05/19/22 15:35	B2E0535	LP	1
Butyl benzyl phthalate	< 244	244	ug/Kg dry	41.4	05/19/22 15:35	B2E0535	LP	1
Carbazole	< 73.3	73.3	ug/Kg dry	10.1	05/19/22 15:35	B2E0535	LP	1
Chrysene	< 24.4	24.4	ug/Kg dry	4.12	05/19/22 15:35	B2E0535	LP	1
Dibenzo(a,h)anthracene	< 24.4	24.4	ug/Kg dry	3.89	05/19/22 15:35	B2E0535	LP	1
Dibenzofuran	< 36.7	36.7	ug/Kg dry	14.9	05/19/22 15:35	B2E0535	LP	1
Diethyl phthalate	< 36.7	36.7	ug/Kg dry	5.44	05/19/22 15:35	B2E0535	LP	1
Dimethyl phthalate	< 244	244	ug/Kg dry	42.2	05/19/22 15:35	B2E0535	LP	1
Di-n-butyl phthalate	< 24.4	24.4	ug/Kg dry	4.91	05/19/22 15:35	B2E0535	LP	1
Di-n-octyl phthalate	< 73.3	73.3	ug/Kg dry	13.6	05/19/22 15:35	B2E0535	LP	1
Fluoranthene	< 36.7	36.7	ug/Kg dry	8.96	05/19/22 15:35	B2E0535	LP	1
Fluorene	< 36.7	36.7	ug/Kg dry	7.93	05/19/22 15:35	B2E0535	LP	1
Hexachlorobenzene	< 24.4	24.4	ug/Kg dry	4.81	05/19/22 15:35	B2E0535	LP	1
Hexachlorobutadiene	< 24.4	24.4	ug/Kg dry	4.71	05/19/22 15:35	B2E0535	LP	1
Hexachlorocyclopentadiene	< 48.9	48.9	ug/Kg dry	7.52	05/19/22 15:35	B2E0535	LP	1
Hexachloroethane	< 978	978	ug/Kg dry	91.9	05/19/22 15:35	B2E0535	LP	1
Indeno(1,2,3-cd)pyrene	< 48.9	48.9	ug/Kg dry	6.70	05/19/22 15:35	B2E0535	LP	1
Isophorone	< 36.7	36.7	ug/Kg dry	9.69	05/19/22 15:35	B2E0535	LP	1
Naphthalene	< 36.7	36.7	ug/Kg dry	4.67	05/19/22 15:35	B2E0535	LP	1
Nitrobenzene	< 36.7	36.7	ug/Kg dry	7.03	05/19/22 15:35	B2E0535	LP	1
N-Nitrosodimethylamine	< 48.9	48.9	ug/Kg dry	6.34	05/19/22 15:35	B2E0535	LP	1
N-Nitrosodi-n-propylamine	< 48.9	48.9	ug/Kg dry	9.25	05/19/22 15:35	B2E0535	LP	1
N-Nitrosodiphenylamine	< 11.5	11.5	ug/Kg dry	11.5	05/19/22 15:35	B2E0535	LP	1
Pentachlorophenol	< 36.7	36.7	ug/Kg dry	8.48	05/19/22 15:35	B2E0535	LP	1
Phenanthrene	< 65.8	65.8	ug/Kg dry	65.8	05/19/22 15:35	B2E0535	LP	1
Phenol	< 36.7	36.7	ug/Kg dry	6.34	05/19/22 15:35	B2E0535	LP	1
Pyrene	< 48.9	48.9	ug/Kg dry	6.75	05/19/22 15:35	B2E0535	LP	1
Pyrene	< 36.7	36.7	ug/Kg dry	6.74	05/19/22 15:35	B2E0535	LP	1
Surrogate: 2-Fluorophenol	Recovery: 57%			Limits: 10-101	05/19/22 15:35	B2E0535	LP	1
Surrogate: Phenol-d5	Recovery: 61%			Limits: 10-110	05/19/22 15:35	B2E0535	LP	1
Surrogate: Nitrobenzene-d5	Recovery: 65%			Limits: 16-114	05/19/22 15:35	B2E0535	LP	1
Surrogate: 2-Fluorobiphenyl	Recovery: 72%			Limits: 15-117	05/19/22 15:35	B2E0535	LP	1

Client Sample Results

(Continued)

Client: Wang Engineering, Inc.
Project: CCDD Project
1294-21-01
Work Order: 22E0532

Client Sample ID: BR-2021-008 (3-5ft)
Report Date: 05/23/2022
Collection Date: 05/12/2022 15:00
Matrix: Solid
Lab ID: 22E0532-06 (Continued)

Analyses	EMT Reporting			MDL	Date/Time Analyzed	Batch	Analyst	DF	
	Result	Limit	Qual Units						
Semivolatile Organic Compounds by GC/MS (Continued)									
Method: SW8270D / SW3550 (Continued)									
Surrogate: 2,4,6-Tribromophenol			Recovery: 69%		Limits: 10-118	05/19/22 15:35	B2E0535	LP	1
Surrogate: 4-Terphenyl-d14			Recovery: 79%		Limits: 12-144	05/19/22 15:35	B2E0535	LP	1