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November 11, 2020

Mr. John Mason
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Phase 2/2.5 Investigation
USH 151, John Nolen-Wilson-Williamson Street Intersection
Madison, Dane County, Wisconsin
WisDOT Project ID #5400-00-02

Dear Mr. Mason:

Enclosed is the Phase 2/2.5 Site Investigation Report for the USH 151, John Nolen-Wilson-Williamson Street Intersection project in Madison, Wisconsin. Contaminated soil and groundwater were encountered during the investigation within the limits of planned construction along the USH 151 corridor near the site investigated (Site 1 from the Phase I Hazardous Materials Assessment). Special Provisions for the management of contaminated soil during construction are included in the report. We ask for WDNR concurrence with the Special Provisions by November 30, 2020.

Feel free to contact me, at (608) 826-3628, with questions or comments.

Sincerely,

TRC

A handwritten signature in blue ink that reads "Dan Haak".

Dan Haak
Project Manager

cc: Shar TeBeest – WisDOT (pdf via email)
Brian Taylor – WisDOT (pdf via email)



Phase 2.5 Investigation

**USH 151, John Nolen-Wilson-
Williamson Street Intersection
Madison, Dane County, Wisconsin**

November 2020

A handwritten signature in brown ink that reads "Ben Wachholz".

Ben Wachholz, P.E.
Project Engineer

A handwritten signature in blue ink that reads "Dan Haak".

Dan Haak, P.E.
Project Manager

WisDOT Project #5400-00-02

Prepared For:

Wisconsin Department of Transportation

Prepared By:

TRC
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717

A handwritten signature in black ink that reads "Ted O'Connell".

Ted O'Connell
TRC Quality Assurance

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COMMONLY USED ABBREVIATIONS AND ACRONYMS

AST	aboveground storage tank
bgs	below ground surface
BRRTS	Bureau for Remediation and Redevelopment Tracking System
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CTH	County Trunk Highway
CY	cubic yards
DATCP	Department of Agriculture, Trade and Consumer Protection
DRO	diesel range organics
FDM	Facilities Development Manual
EMP	Excavation Management Plan
ERP	Environmental Repair Program
ES	Enforcement Standards
ESA	Environmental Site Assessment
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
GIS Registry	WDNR Geographic Information System (GIS) Registry of Closed Remediation Sites
GRO	gasoline range organics
HAZWOPER	Code of Federal Registry Chapter 29 (29 CFR) Part 1910.120 Hazardous Waste Operations and Emergency Response
HMA	Hazardous Materials Assessment
IH	Interstate Highway
LQG	large quantity generator
LUST	leaking underground storage tank
NPL	National Priorities List
NR ###	Wisconsin Administrative Code (WAC) Natural Resources (NR) Chapter ###
PAHs	polynuclear aromatic hydrocarbons
PAL	Preventive Action Limits
PCBs	polychlorinated biphenyls
PCE	perchloroethylene/tetrachloroethylene
PID	photoionization detector
PVOCs	petroleum volatile organic compounds
RCLs	Residual Contaminant Levels in NR 720
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
R/W or ROW	right-of-way
sf	square feet
STH	State Trunk Highway
TCE	trichloroethylene
TRIS	Toxic Chemical Release Inventory System
USGS	United States Geological Survey
USH	United States Highway
UST	underground storage tank
VOCs	volatile organic compounds
WDNR	Wisconsin Department of Natural Resources
WisDOT	Wisconsin Department of Transportation
WGNHS	Wisconsin Geological and Natural History Survey
WI ERP	Wisconsin Environmental Repair Program database

Executive Summary

The Wisconsin Department of Transportation (WisDOT) is planning highway improvements along USH 151 at the John Nolen-Wilson-Williamson Street Intersection in Madison, Wisconsin (WisDOT Project ID #5400-00-02). These improvements include new pavement, curb and gutter, sanitary sewer replacement, and traffic signal installation. Maximum depth of excavations is estimated to be 12 feet below ground surface (bgs) for select sanitary sewer replacements.

On July 30, 2020, TRC Environmental Corporation (TRC) and TRC's Geoprobe® subcontractor completed a Phase 2.5 Investigation to identify and evaluate the nature and extent of potential soil contamination within the limits of construction of the USH 151 corridor. The investigation was completed adjacent to one site with potential contamination identified in the 2020 Phase 1 Hazardous Materials Assessment (HMA) prepared by Strand Associates, Inc. (Strand). The results of the investigation conclude that contaminated soil and groundwater is present within the limits of construction at one location along the USH 151 corridor (Site 1). Based on water level measurement data from this, and nearby investigations, groundwater will likely be encountered, and dewatering may be required, during the proposed USH 151 improvements.

1.0 Background

1.1 Proposed Roadway and Utility Construction

The Wisconsin Department of Transportation (WisDOT) is planning highway improvements along USH 151 in Madison at the John Nolen-Wilson-Williamson Street Intersection in Dane County, Wisconsin (WisDOT Project ID #5400-00-02). A site location map is presented on Figure 1. The plans, specifications, and estimate (PS&E) is May 1, 2021 and construction on the project is anticipated to begin in 2022.

Applicable sections of the preliminary construction drawings are included in Appendix A. The proposed improvements include replacement of roadway pavement, curb and gutter, and traffic signals, as well as the replacement of sanitary sewer pipes, spot adjustments and relocations of select water main and storm sewer pipes, and street lighting. Maximum depth of excavations is estimated to be 12 ft bgs for sanitary sewer installation.

The project will require minor temporary limited easement (TLE) at some locations throughout the USH 151 corridor. TLE areas included in this investigation are shown on the construction plans included in Appendix A.

1.2 Previous Site Investigations

A Phase I HMA investigation for the project corridor was completed by Strand Associates, Inc. (Strand) in February 2020. The Phase 1 HMA identified 128 sites for potential hazardous materials. Of the 68 sites, one was recommended for subsurface investigation: Site 1. Site 1 is located at 410 South Blair Street. Site-specific information from the Phase 1 HMA is located in Appendix B.

2.0 Phase 2.5 Investigation

2.1 Investigation

The WisDOT retained TRC to perform a Phase 2.5 Investigation of the USH 151 construction corridor to identify and determine the nature and extent of soil and groundwater contamination within the construction limits. Representatives from TRC and TRC's Geoprobe® subcontractor, On-Site Environmental Services, Inc. (On-Site) were in Madison, Wisconsin, on July 30, 2020 to complete six soil borings, one temporary well, and collect soil and groundwater samples for laboratory analysis. Photographs are included in Appendix C, and boring locations are shown in Figure 2.

Soil borings were drilled using a track-mounted Geoprobe and advanced to depths of 10 ft bgs. One boring was advanced to 15 ft bgs to ensure sufficient groundwater yield for sampling. Each boring was continuously logged by TRC staff according to the United Soil Classification System (USCS) and field-screened for staining, odors, and headspace using a PID. Soil in the area of the investigation consists predominantly of sand and lean clay. Historic fill material was seen between 0.5 to 8.5 ft bgs throughout borings GP-1, GP-2, GP-3, and GP-4. No strong odors or elevated PID headspace readings were observed in the borings. The PID headspace readings

for each soil sample interval are included in the boring logs in Appendix D and are summarized in Table 1.

One soil sample interval was selected from each boring, placed in laboratory-provided containers, and submitted to TestAmerica for laboratory analysis for a combination of VOCs, SVOCs, RCRA 8 metals, DRO, GRO, and/or Protocol B. In borings where field-screening indicated potential impacts, the soil sample interval with the highest potential for impacts was collected for analysis. If no potential impacts were observed during field-screening, then a soil sample was collected from the depth interval most likely impacted based on historic information or from within the proposed depths of excavation. Analytical results are summarized in Table 1 and the complete laboratory report is included in Appendix E.

Each boring that was not converted to a temporary well was abandoned immediately following soil sample collection using 3/8" bentonite chips and the surface was patched to match the surrounding surface materials (i.e. asphalt, concrete, topsoil, etc.). Borehole abandonment forms are included in Appendix D.

Groundwater was encountered during the investigation and was sampled from the one boring that yielded water most readily: GP-4. The groundwater collected during the investigation did show signs of contamination (i.e. sheen, strong odors, abnormal colors, etc.). One water sample was collected from the temporary well (TW-4), placed in laboratory-provided containers, and submitted to TestAmerica for laboratory analysis for VOCs, SVOCs, RCRA 8 metals, and oil & grease. Analytical results are summarized in Table 2 and the complete laboratory report is included in Appendix E. At the time of sample collection, groundwater was encountered at approximately 6 ft bgs in TW-4. Sanitary sewer construction in the area is planned to be approximately 12 ft bgs, and storm sewer inlet and lateral replacement will typically require excavation to 6 ft bgs. As such, groundwater is expected to be encountered during construction.

2.2 Soil Analytical Results

The results from the soil sampling indicate that contaminated soil is present within the limits of construction at Site 1. Soil sample results from 7.5 to 10 ft bgs in soil boring GP-1 indicated concentrations of benzo(a)pyrene, benzo(b)fluoranthene, and arsenic above the industrial direct contact RCLs, concentrations of benzo(a)anthracene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene above the non-industrial direct contact RCLs, and concentrations of benzene, naphthalene, chrysene, pyrene, cadmium, lead, and mercury above the groundwater pathway RCLs. Arsenic, cadmium, and lead also exceeded the background threshold values (BTV). Soil sample results from 2.5 to 5 ft bgs in soil boring GP-2 indicated concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene above the industrial direct contact RCLs, concentrations of indeno(1,2,3-cd)pyrene above the non-industrial direct contact RCL, and concentrations of benzene, naphthalene, chrysene, and lead above the groundwater pathway RCLs. Lead was also above the BTV. Soil sample results from 5 to 7.5 ft bgs in soil boring GP-3 indicated concentrations of benzo(b)fluoranthene, chrysene, cadmium, and lead above the groundwater pathway RCLs. Cadmium and lead also exceeded the BTV. Soil sample results from 7.5 to 10 ft bgs in soil boring GP-4 indicated concentrations chrysene and lead are present above the groundwater pathway RCLs. Borings GP-2, GP-3, GP-4, GP-5, and GP-6 all had concentrations of arsenic above the non-industrial or industrial direct contact RCL, but none were above the

established surficial background threshold value. Cumulative hazard index and cancer risk were calculated for the sample results at the most contaminated boring locations and do indicate risks above the NR 720 standards, as shown in Table 1. Documentation of these calculations is included in Appendix F.

2.3 Groundwater Analytical Results

The results from the groundwater sampling indicate that contaminated groundwater is present within the limits of construction at Site 1. Groundwater sample results from TW-4 indicate concentrations of benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and arsenic above the enforcement standards (ES). The collected groundwater sample was also analyzed for oil & grease SGT-HEM after communication with the Madison Metropolitan Sewerage District. The sample yielded a non-detection for this analyte.

2.4 Waste Characterization Analytical Results

The results from the soil sampling and analysis of Protocol B parameters (TCLP volatiles, TCLP semivolatiles, TCLP metals, PCBs, total chlorine, flashpoint, total cyanide, total sulfide, free liquid, specific gravity, and pH) indicate that there is no hazardous levels of contamination present at Site 1. These analyses were conducted for streamlining the waste profile generation process with a landfill. A summary of the results can be seen in Table 3.

2.5 Investigation Derived Waste

All disposable investigative derived waste (IDW), including Geoprobe liners, tubing, gloves, bags, etc. was collected and disposed of as solid waste at the TRC office. Soil cuttings and groundwater generated during this investigation were containerized and stored at the City of Madison's First Street Garage until results were received. Due to the presence of impacts to the soil and groundwater, the soil cuttings and containerized groundwater were disposed of under the WisDOT's hazardous waste disposal contract with Veolia Environmental Services (Appendix G).

3.0 Conclusions and Recommendations

3.1 Real Estate Acquisitions

Real estate acquisitions consisting of TLE are planned at Site 1. Based on the field-screening and analytical results, there is evidence of contamination at these sites. The acquisition requirements for the sites evaluated in the Phase 1 HMA and Phase 2.5 investigation are shown on the construction plans included in Appendix A.

3.2 Contaminated Soil Management

Contaminated soil was encountered during the investigation in one location within the limits of construction along the USH 151 corridor. The soil borings with impacts above NR 720 soil RCLs are located at Site 1. SVOC and metals contamination at Site 1 is likely associated with former landfill activities at this location (BRRTS #03-13-002205). As stated in a 1991 Phase I and II Environmental Assessment conducted by Warzyn Inc., "By 1950, the lakeshore had been altered,

with 250 to 300 feet of additional land extending into Lake Monona along the Law Park area. From 1933 to the early 1950s, the Law Park area was used as a City landfill.” Special Provisions should be included in the construction documents advising the contractor of these findings, and the requirements to manage potentially impacted soil at the following locations:

- **Site 1 (410 South Blair Street)**
 - Station 44+75 to 46+00, reference line to construction limits on right
 - Station 6+00 A to 7+00 A, reference line to construction limits on right
 - Station 7+00 A to 8+50 A, 40 feet to 80 feet right of reference line to construction limits on right

TRC recommends that soil excavated at the locations listed above be field-screened by an environmental consultant during excavations during the reconstruction of USH 151 and managed as follows:

- Soil with significant metals and/or SVOC contamination will be direct landfilled at a WDNR-licensed disposal facility. Soil will be considered to have significant contamination if it exhibits significant odor, staining, presence of industrial fill materials (foundry sand, cinders, slag, timbers, bricks, etc.) and/or elevated PID readings (for example, PID readings greater than 10 ppm), or identified with laboratory detection.
- Soil exhibiting low-level contamination based on field-screening (for example, PID readings less than 10 ppm for petroleum contamination) will be considered suitable for reuse as backfill on the project.

TRC estimates approximately 2,100 tons of impacted soil will require off-site disposal as direct landfilled material. Draft Special Provisions for the management of contaminated soil are included in Appendix H.

Based on the historic use along the corridor, the potential exists that currently unknown contamination may be encountered during construction. If currently unknown contamination is encountered, the engineer should be notified so that appropriate actions can be taken to identify and manage contaminated materials.

3.3 Contaminated Groundwater Management

Contaminated groundwater was encountered during the investigation at Site 1. Dewatering at the above locations, if necessary, will require the management of groundwater. Contaminated groundwater can be discharged to the City of Madison’s sanitary sewer system, but coordination and permit approval is required prior to discharge.

3.4 Conclusions

No further investigation is recommended for Site 1. Special Provisions for management of contaminated soil and groundwater are included in Appendix H. TRC estimates approximately 2,100 tons of soil will require off-site disposal as direct landfilled material. Groundwater will likely be encountered during construction, and discharging to the City of Madison’s sanitary sewer will need to be coordinated with the Madison Metropolitan Sewerage District (MMSD) prior to construction.

3.5 Request for WDNR Reviews

TRC has prepared draft Special Provisions for the management of contaminated soil and groundwater during construction (Appendix H). TRC recommends that the WDNR review this report and the attached Special Provisions as the Excavation Management Plan (EMP) for the project. If acceptable, the WDNR should respond with a concurrence letter for the EMP.

Table 1: Soil Sampling Results Summary
USH 151 - John Nolen-Wilson-Williamson Street Intersection Phase 2/2.5 Investigation
WisDOT ID# 5400-00-02

ANALYTES ⁽¹⁾	SOIL BORING ID, SAMPLE DEPTH (feet bgs), DATE						NR 720 SOIL RCLs ⁽⁴⁾			
	GP-1 7.5-10	GP-2 2.5-5	GP-3 5-7.5	GP-4 7.5-10	GP-5 2.5-5	GP-6 2.5-5	SOIL TO GROUNDWATER PATHWAY ⁽²⁾	DIRECT CONTACT PATHWAY		BACKGROUND SURFICIAL BTV ⁽⁵⁾
	7/30/20							NON- INDUSTRIAL ⁽³⁾	INDUSTRIAL ⁽³⁾	
PID (ppm)	<1	1.1	<1	<1	<1	<1	-	-	-	-
DRO (mg/kg)	--	--	--	--	< 0.58	--	-	-	-	-
GRO (mg/kg)	--	--	--	--	< 1.5	--	-	-	-	-
VOCs (µg/kg)										
Benzene	20 J	33	< 9.4	< 11	< 8.6	< 7.7	5.1	1,600	7,070	-
Ethylbenzene	< 18	12 J	< 12	< 14	< 11	< 9.7	1,570	8,020	35,400	-
Naphthalene	7,000	690	37 J	< 25	< 20	< 18	658.2	5,520	24,100	-
p-Isopropyltoluene	46 J	< 23	< 23	< 27	< 21	< 19	-	162,000	162,000	-
Toluene	63	68	< 9.5	< 11	< 8.7	< 7.8	1,107.2	818,000	818,000	-
1,3,5-Trimethylbenzene	< 37	< 24	< 25	< 28	< 22	< 20	-	219,000	219,000	-
1,2,4-Trimethylbenzene	< 35	49 J	< 23	< 27	< 21	< 19	1378.7 ⁽⁶⁾	182,000	182,000	-
Xylenes, Total	24 J	94	28 J	< 16	< 13	< 12	3,960	260,000	260,000	-
SVOCs (µg/kg)										
1-Methylnaphthalene	2,100	760 J	41 J	13 J	< 8.6	< 8.3	-	17,600	72,700	-
2-Methylnaphthalene	1,700	1,100	40 J	11 J	< 6.5	< 6.3	-	239,000	3,010,000	-
Acenaphthene	3,800	1,000	31 J	47	< 6.3	< 6.1	-	3,590,000	45,200,000	-
Acenaphthylene	1,700	8,400	33 J	14 J	< 4.6	< 4.5	-	-	-	-
Anthracene	8,600	3,900	110	280	34 J	< 5.7	196,949.2	17,900,000	100,000,000	-
Benzo[a]anthracene	20,000	29,000	310	310	21 J	< 4.6	-	1,140	20,800	-
Benzo[a]pyrene	22,000	14,000	370	260	23 J	< 6.6	470	115	2,110	-
Benzo[b]fluoranthene	26,000	25,000	490	300	32 J	< 7.4	478.1	1,150	21,100	-
Benzo[g,h,i]perylene	5,900	5,500	190	81	13 J	< 11	-	-	-	-
Benzo[k]fluoranthene	13,000	11,000	160	130	< 10	< 10	-	11,500	211,000	-
Chrysene	25,000	31,000	360	290	22 J	< 9.3	144.2	115,000	2,110,000	-
Dibenz[a,h]anthracene	1,800	2,200	47	27 J	< 6.8	< 6.6	-	115	2,110	-
Fluoranthene	56,000	68,000	660	580	61	30 J	88,877.8	2,390,000	30,100,000	-
Fluorene	8,600	2,000	47	110	< 4.9	< 4.8	14,829.9	2,390,000	30,100,000	-
Indeno[1,2,3-cd]pyrene	6,400	5,400	180	91	14 J	< 8.8	-	1,150	21,100	-
Naphthalene	3,100	2,200	51	15 J	< 5.4	< 5.2	658.2	5,520	24,100	-
Phenanthrene	60,000	40,000	520	610	48	30 J	-	-	-	-
Pyrene	73,000	53,000	730	580	34 J	< 6.8	54,545.5	179,000	22,600,000	-
Metals (mg/kg)										
Arsenic	14	5.5	2.4	4.6	1.6	0.70 J	0.584	0.677	3	8
Barium	62	67	50	78	17	2.7	164.8	15,300	100,000	364
Cadmium	1.1	0.42	3.1	0.11 J	0.13 J	0.097 J	0.752	71	985	1
Chromium (total)	7.5 B	11 B	7.5 B	10 B	6.7 B	5.5 B	360,000	-	-	44
Lead	200	210	58	52	5	1.5	27	400	800	52
Mercury	0.25	0.088	0.097	0.23	0.017	< 0.0054	0.208	3.13	3.13	-
HAZARD INDEX (CUMULATIVE)										
Industrial	0.11	0.07	--	--	--	--			1.0	
Non-Industrial	1.32	0.86	--	--	--	--			1.0	
CANCER RISK (CUMULATIVE)										
Industrial	1.4E-05	2.4E-05	--	--	--	--			1.0E-05	
Non-Industrial	2.5E-04	2.3E-04	--	--	--	--			1.0E-05	

Notes:

1. Samples were analyzed for VOCs, RCRA 8 metals, DRO, and/or GRO.
2. Samples were collected by TRC and analyzed by Test America Chicago
3. PID = Photoionization Detector
4. DRO = diesel range organics
5. VOCs = Volatile Organic Compounds analyzed using EPA Method 8260B
6. µg/kg = micrograms per kilogram (ppb)
7. mg/kg = milligrams per kilogram (ppm)
8. - = Standard not established
9. -- = Not analyzed
10. RCLs = Residual Contaminant Levels.
11. *Italics* = indicates that the analyte exceeds the groundwater pathway RCL and BTV (if established)
12. **Bold** = indicates that the analyte and/or sample exceeds the NR 720 RCL for direct contact (non-industrial or industrial).
13. NC = not calculated
14. J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
15. B = Compound was found in the blank and sample.

Created By: W.Braga 9/11/2020
Checked By: L.Hoerning 9/24/2020

Footnotes:

- (1) Only analytes detected in at least one sample are shown in the table.
- (2) Value is the generic RCL for the groundwater pathway.
- (3) RCLs from the Wisconsin DNR's NR 720 RCL Spreadsheet (December 2018 update) found here: <https://dnr.wi.gov/topic/Brownfields/soil.html>.
- (4) Background threshold value taken from the Wisconsin DNR's NR 720 RCL Spreadsheet
- (5) Background threshold value (BTV) was taken from the Wisconsin DNR's NR 720 RCL spreadsheet.

Table 2: Groundwater Sampling Results Summary
USH 151 - John Nolen and Law Park Phase 2/2.5 Investigation
WisDOT ID# 5400-00-02

CONSTITUENT	TW-4	NR 140 STANDARD	
	07/30/2020	ES	PAL
Volatiles (ug/L)			
Toluene	0.33 J	800	160
Semivolatiles (ug/L)			
Anthracene	0.47 J	3,000	600
Benzo[a]anthracene	1.2	-	-
Benzo[a]pyrene	1.2	0.2	0.02
Benzo[b]fluoranthene	1.3	0.2	0.02
Benzo[g,h,i]perylene	0.47 J	-	-
Benzo[k]fluoranthene	0.49	-	-
Chrysene	0.98	0.2	0.02
Dibenz(a,h)anthracene	0.20 J	-	-
Dibenzofuran	0.20 J	-	-
Fluoranthene	2	400	80
Fluorene	0.30 J	400	80
Indeno[1,2,3-cd]pyrene	0.5	-	-
2-Methylnaphthalene	0.17 J	-	-
Naphthalene	0.35 J	100	10
Phenanthrene	1.7	-	-
Pyrene	1.9	250	50
Metals (ug/L)			
Arsenic	15	10	1
Barium	230	2,000	400

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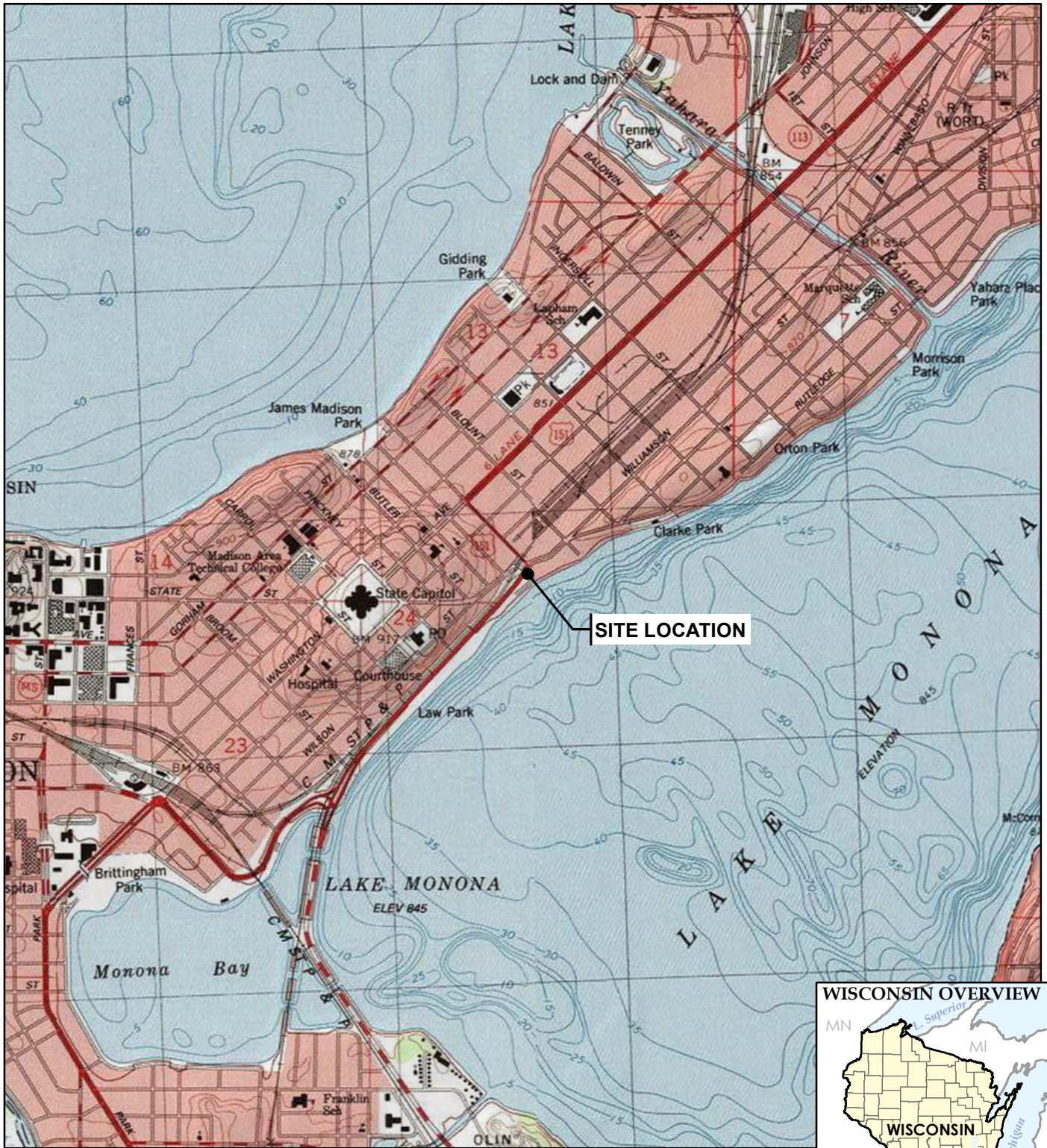
Checked By: L.Hoerning 9/24/2020

1. Only analytes that were detected in at least one sample are shown in the table.
2. µg/L = micrograms per liter (ppb).
3. Metals analyzed using EPA Method 6010, except for mercury which was analyzed using EPA Method 7470.
4. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Public Health Enforcement Standard.
5. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Public Health Preventive Action Limit.
6. - = Standard not established
7. B = Analyte was detected in the associated method blank
8. J = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
9. *Italics* = Result exceeds the NR 140 Preventive Action Limit
10. **Bold** = Result exceeds the NR 140 Enforcement Standard

Table 3 - Summary of Waste Characterization
USH 151 - John Nolen and Law Park Phase 2/2.5 Investigation
WisDOT ID# 5400-00-02

CONSTITUENT	WASTE-1
	07/30/2020
TCLP Volatiles (mg/L)	
Benzene	< 0.010
Carbon tetrachloride	< 0.010
Chlorobenzene	< 0.010
Methyl Ethyl Ketone	< 0.050
Chloroform	< 0.020
1,2-Dichloroethane	< 0.010
1,1-Dichloroethene	< 0.010
Tetrachloroethene	< 0.010
Trichloroethene	< 0.010
Vinyl chloride	< 0.010
TCLP Semivolatiles (mg/L)	
Pyridine	< 0.20
1,4-Dichlorobenzene	< 0.020
2,4-Dinitrotoluene	< 0.010
Hexachlorobenzene	< 0.0050
Hexachlorobutadiene	< 0.050
Hexachloroethane	< 0.050
2-Methylphenol	< 0.020
3 & 4 Methylphenol	< 0.020
Nitrobenzene	< 0.010
Pentachlorophenol	< 0.20
2,4,5-Trichlorophenol	< 0.10
2,4,6-Trichlorophenol	< 0.050
TCLP Metals (mg/L)	
Arsenic	< 0.010
Mercury	< 0.00020
Barium	0.77
Cadmium	0.0099
Chromium	< 0.010
Copper	0.013 J
Lead	0.83
Nickel	0.035
Selenium	< 0.020
Silver	< 0.010
Zinc	2.7
GC Semivolatiles (ug/Kg)	
PCB-1016	< 6.6
PCB-1221	< 8.2
PCB-1232	< 8.1
PCB-1242	< 6.1
PCB-1248	< 7.3
PCB-1254	< 4.0
PCB-1260	< 9.2
Polychlorinated biphenyls, Total	< 3.6
Wet Chemistry (%)	
Total Chlorine	< 0.11
Wet Chemistry (Degrees F)	
Flashpoint	>176
Wet Chemistry (mg/Kg)	
Cyanide, Total	0.13 J
Total Sulfide	< 4.5
Wet Chemistry (No Unit)	
Free Liquid	Pass
Wet Chemistry (NONE)	
Specific Gravity	2.0904
Wet Chemistry (SU)	
pH	8.3

Created By: W.Braga 9/11/2020
Checked By: L.Hoerning 9/24/2020



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.



708 Heartland Trail., Suite 3000
Madison, WI 53717
Phone: 608.826.3600

TRC - GIS

PROJECT: **WISDOT ID# 5400-00-02**
USH 151 WILSON/WILLIAMSON ST INTERSECTION
MADISON, DANE COUNTY, WISCONSIN

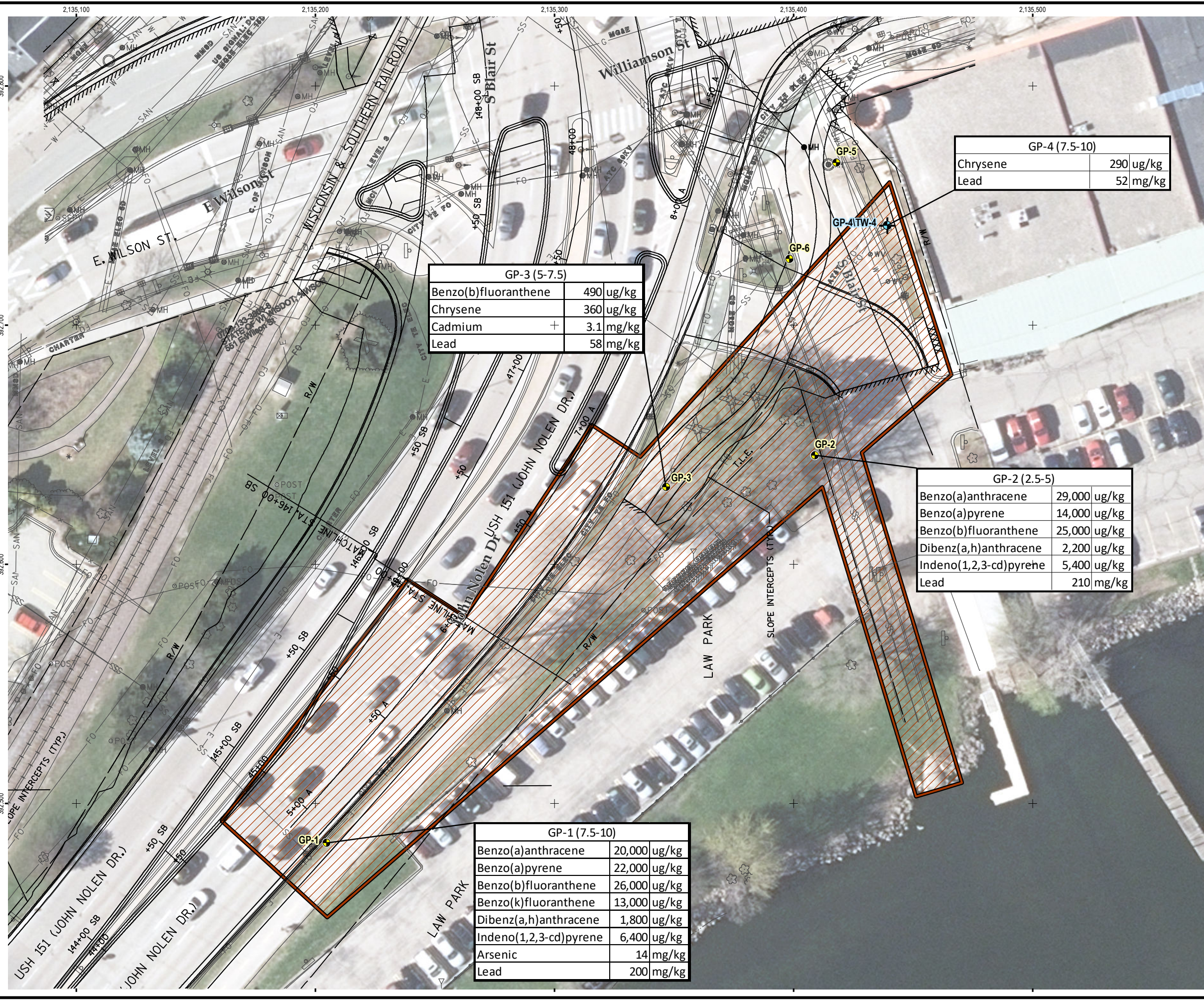
TITLE:

SITE LOCATION MAP

DRAWN BY:	R. SUENMIGHT
CHECKED BY:	T. O'CONNELL
APPROVED BY:	D. HAAK
DATE:	NOVEMBER 2020
PROJ. NO.:	393855
FILE:	393855-001slm.mxd

FIGURE 1

Plot Date: 11/10/2020, 11:10:29 AM by RSUEMNICHT -- LAYOUT: ANSIB(11"x17")
 Path: S:\1-PROJECTS\WI_DOT\2020_393855\393855-002.mxd
 Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
 Map Rotation: 0
 TRC - GIS



GP-3 (5-7.5)	
Benzo(b)fluoranthene	490 ug/kg
Chrysene	360 ug/kg
Cadmium	3.1 mg/kg
Lead	58 mg/kg

GP-4 (7.5-10)	
Chrysene	290 ug/kg
Lead	52 mg/kg

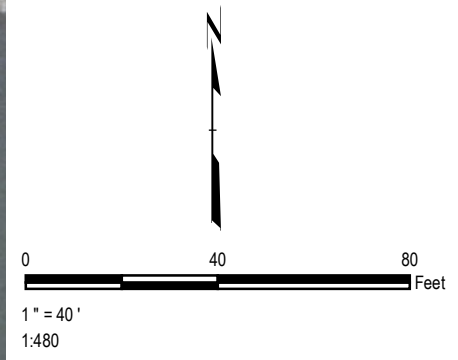
GP-2 (2.5-5)	
Benzo(a)anthracene	29,000 ug/kg
Benzo(a)pyrene	14,000 ug/kg
Benzo(b)fluoranthene	25,000 ug/kg
Dibenz(a,h)anthracene	2,200 ug/kg
Indeno(1,2,3-cd)pyrene	5,400 ug/kg
Lead	210 mg/kg

GP-1 (7.5-10)	
Benzo(a)anthracene	20,000 ug/kg
Benzo(a)pyrene	22,000 ug/kg
Benzo(b)fluoranthene	26,000 ug/kg
Benzo(k)fluoranthene	13,000 ug/kg
Dibenz(a,h)anthracene	1,800 ug/kg
Indeno(1,2,3-cd)pyrene	6,400 ug/kg
Arsenic	14 mg/kg
Lead	200 mg/kg

LEGEND

- SOIL BORING
- TEMPORARY WELL/BORING
- SVOC AND METALS CONTAMINATION EXTENT

- NOTES**
- BASE MAP IMAGERY FROM DANE COUNTY, 2017.
 - MAP PROJECTION AND GRID COORDINATES ARE NAD 83 STATE PLANE WISCONSIN SOUTH (US SURVEY FEET).
 - CONSTRUCTION PLANS PROVIDED BY WisDOT. LOCATIONS ARE APPROXIMATE.



PROJECT: **WISDOT ID# 5400-00-02**
USH 151 WILSON/WILLIAMSON ST INTERSECTION
MADISON, DANE COUNTY, WISCONSIN

TITLE: **SOIL BORING LOCATION MAP**

DRAWN BY: R. SUEMNICHT PROJ NO.: 393855
 CHECKED BY: T. O'CONNELL
 APPROVED BY: D. HAAK
 DATE: NOVEMBER 2020

FIGURE 2

708 Heartland Trail, Suite 3000
 Madison, WI 53717
 Phone: 608.826.3600
 www.trccompanies.com

FILE NO.: 393855-002.mxd

Appendix A: Construction Plans

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5400-00-72		

**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

C MADISON, S BLAIR ST/JOHN NOLEN DR

WILSON/WILLIAMSON ST INTERSECTION

USH 151

DANE COUNTY

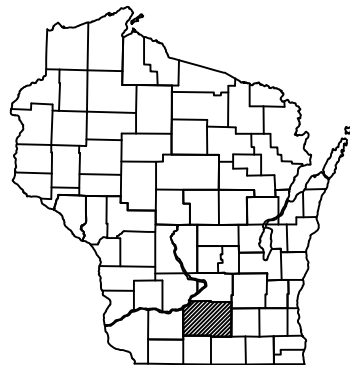
STATE PROJECT NUMBER
5400-00-72

ORDER OF SHEETS

- Section No. 1 Title
- Section No. 2 Typical Sections and Details (Includes Erosion Control Plans)
- Section No. 3 Estimate of Quantities
- Section No. 3 Miscellaneous Quantities
- Section No. 4 Right of Way Plat
- Section No. 5 Plan and Profile
- Section No. 6 Standard Detail Drawings
- Section No. 7 Sign Plates
- Section No. 8 Structure Plans
- Section No. 9 Computer Earthwork Data
- Section No. 9 Cross Sections

TOTAL SHEETS =

PROJECT ID: 5400-00-72
WITH: 5400-00-73/74



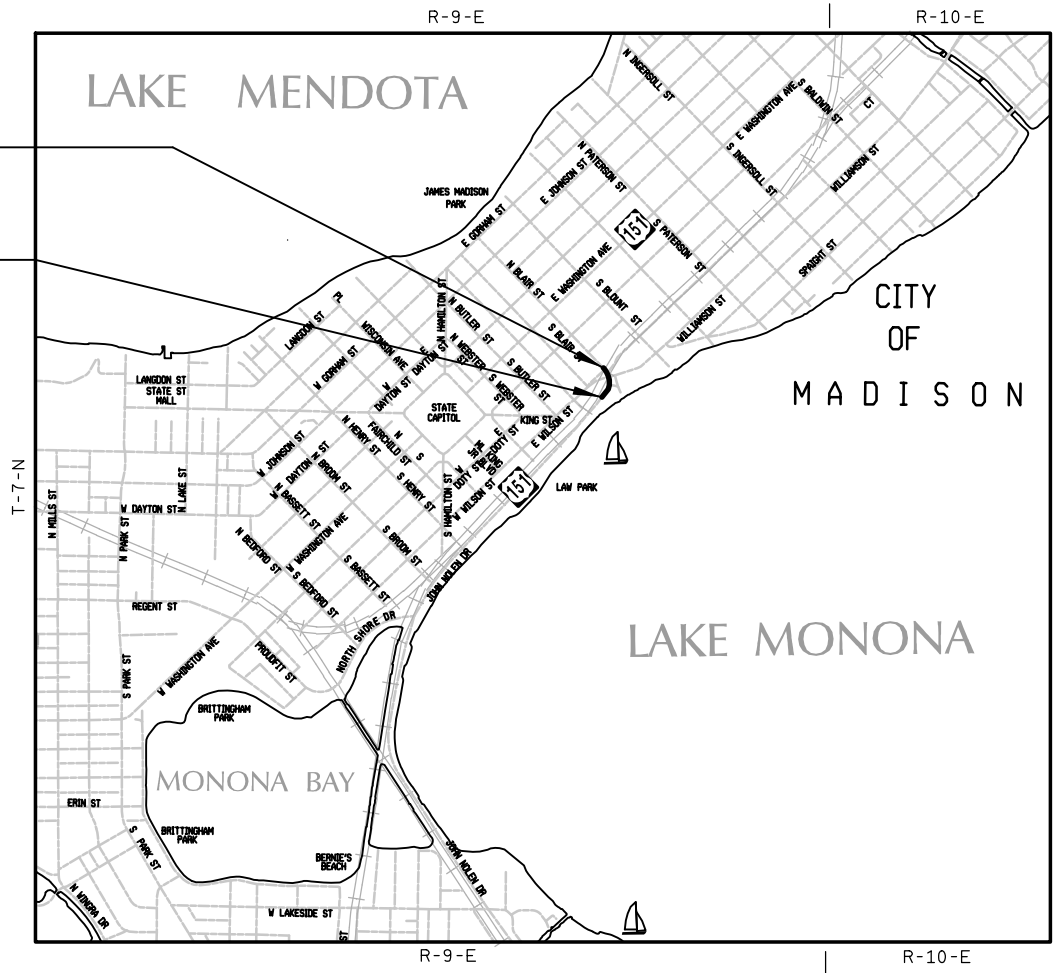
END PROJECT
STA. 50+39.35

BEGIN PROJECT
STA. 43+62.36
Y = 482,931.90
X = 823,216.46

DESIGN DESIGNATION	USH 151 (JOHN NOLEN DR.)	USH 151 (S. BLAIR ST.)
A.A.D.T. (2022)	= 42,100	= 25,200
A.A.D.T. (2042)	= 45,000	= 26,800
D.H.V.	= 4,680	= 2,980
D.D.	= 59/41	= 59/41
T.	= 8.3%	= 10.4%
DESIGN SPEED	= 25 MPH	= 25 MPH
ESALS	= 10,000,000	

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	
EXISTING RIGHT OF WAY		GRADE ELEVATION	
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE		ELECTRIC	
EXISTING CULVERT		FIBER OPTIC	
PROPOSED CULVERT (Box or Pipe)		GAS	
COMBUSTIBLE FLUIDS		SANITARY SEWER	
MARSH AREA		STORM SEWER	
WOODED OR SHRUB AREA		TELEPHONE	
		WATER	
		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	



LAYOUT
SCALE 0 0.25 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.128 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY.

SANITARY SEWER AND WATER MAIN
DESIGNED BY: STRAND ASSOCIATES, INC.

STREET LIGHTING/TRAFFIC SIGNALS
DESIGNED BY: CITY OF MADISON

ACCEPTED FOR THE CITY OF MADISON

DATE: _____ CITY ENGINEER

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor _____ STRAND ASSOCIATES, INC.

Designer _____ STRAND ASSOCIATES, INC.

Project Manager _____ STEVE MARSHALL, P.E.

Regional Examiner _____

Regional Supervisor _____ KIMBERLY SCHAUDER, P.E.

C.O. Examiner _____

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

001 **E**

2

2

GENERAL NOTES

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MAXIMUM OF 30 FEET WIDE UNLESS SHOWN OTHERWISE IN THE PLANS. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE AREA THAT ARE NOT SHOWN.

PROTECT EXISTING STREET TREES. TREES OR SHRUBS ARE NOT TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

WHEN REPLACING INDIVIDUAL SECTIONS OF SIDEWALK, MATCH EXISTING CONCRETE, ASPHALT OR STRUCTURES (WALLS, BUILDINGS, ETC. THAT ARE CONSTRUCTED TO THE PROPERTY LINE) BEHIND THE SIDEWALK. WHERE TURF EXISTS BEHIND THE SIDEWALK, KEEP DISTANCE TO WITHIN 6 INCHES OF THE SIDEWALK AND RESTORE WITH TOPSOIL AND SEED. REPLACE SIDEWALK AS SHOWN IN THE PLAN AND AS REQUIRED FOR SANITARY LATERAL CONSTRUCTION. IF A SINGLE SECTION OF SIDEWALK REMAINS AS A RESULT OF REPLACING THE SQUARES ON EACH SIDE OF IT, REPLACE THE SINGLE REMAINING SECTION.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT PAVEMENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.

UTILITIES

PENDING (TO BE FILLED IN DURING FINAL DESIGN)

DESIGNER NOTES

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR STREET LIGHTING AND PERMANENT TRAFFIC SIGNAL COMPONENTS PROVIDED BY CITY OF MADISON.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR REMAINING ITEMS PROVIDED BY STRAND ASSOCIATES, INC.

CITY OF MADISON CONTACT

JIM WOLFE, P.E.
210 MARTIN LUTHER KING JR. BLVD., RM 115
MADISON, WI 53703
(608) 266-4099
E-MAIL: jwolfe@cityofmadison.com

DESIGN CONTACT

ERIC HANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: eric.hanson@strand.com

DNR LIAISON

ERIC HEGGELUND
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITZBURG, WI 53711
(608) 275-3301
E-MAIL: eric.heggelund@wisconsin.gov

RAILROAD CONTACT

ROGER SCHAALMA
WISCONSIN & SOUTHERN RAILROAD
1890 E. JOHNSON STREET
MADISON, WI 53704
(608) 620-2044
E-MAIL: rschaalma@watcocompanies.com

WISDOT CONTACT

STEVE MARSHALL, P.E.
WISDOT SOUTHWEST REGION
2101 WRIGHT ST.
MADISON, WI 53704
(608) 884-7134
E-MAIL: steve.marshall@dot.wi.gov



Dial 811 or (800)242-8511

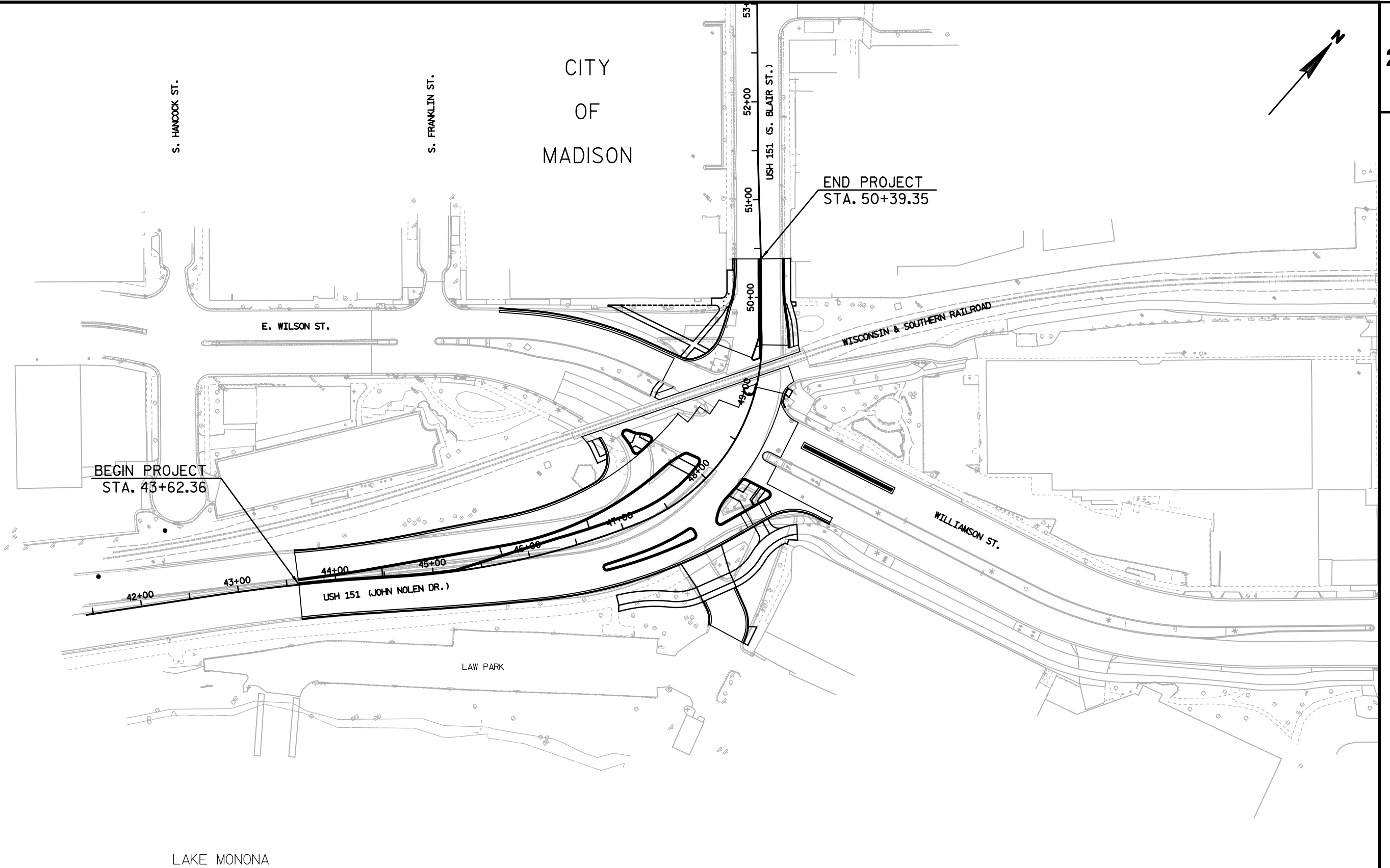
www.DiggersHotline.com

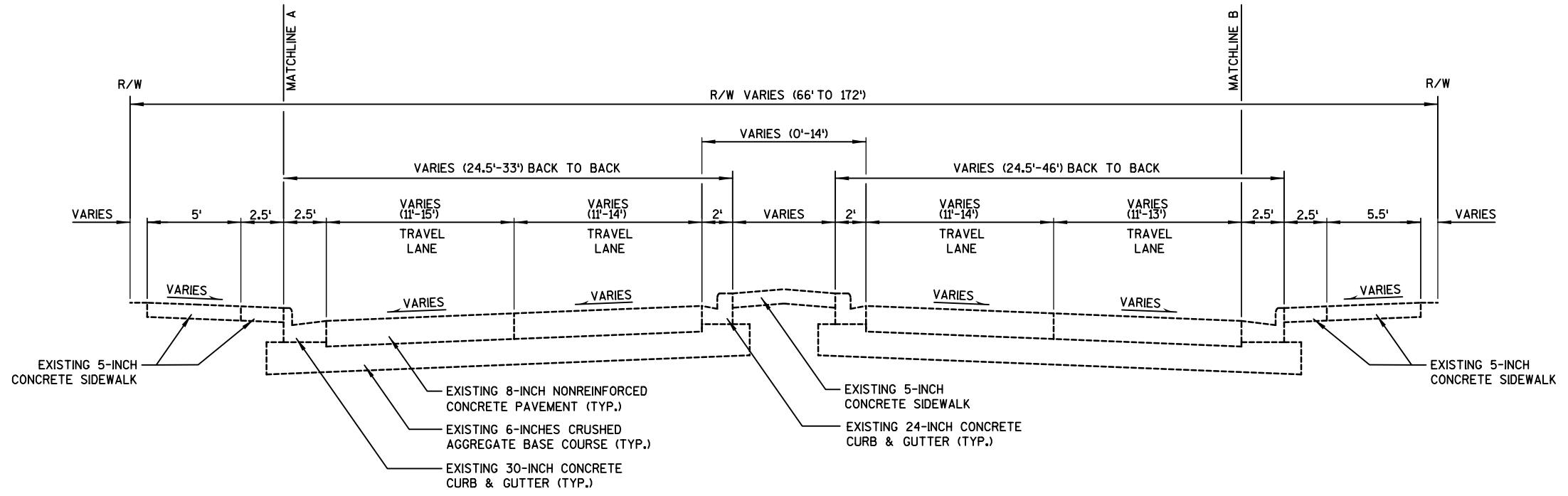
SECTION 2 ORDER OF SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS
- EROSION CONTROL
- STORM SEWER
- WATER UTILITY PLAN
- SANITARY SEWER UTILITY PLAN
- SIGN REMOVAL DETAILS
- PERMANENT SIGNING
- LIGHTING PLAN
- TRAFFIC SIGNALS
- TEMPORARY TRAFFIC SIGNALS
- PAVEMENT MARKING
- TRAFFIC CONTROL
- LEGEND AND NOTES
- CONSTRUCTION STAGING DETAILS
- PEDESTRIAN ROUTING OVERVIEWS
- ADVANCED WARNING SIGNING
- CONSTRUCTION STAGING SHEETS
- DETOUR SIGNING
- ALIGNMENT AND CONTROL POINT DATA

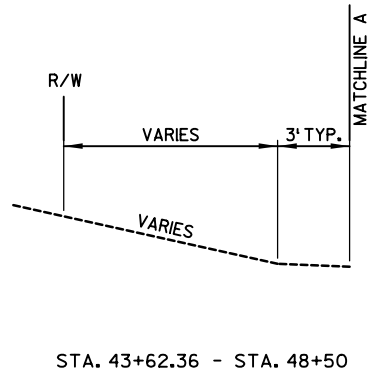
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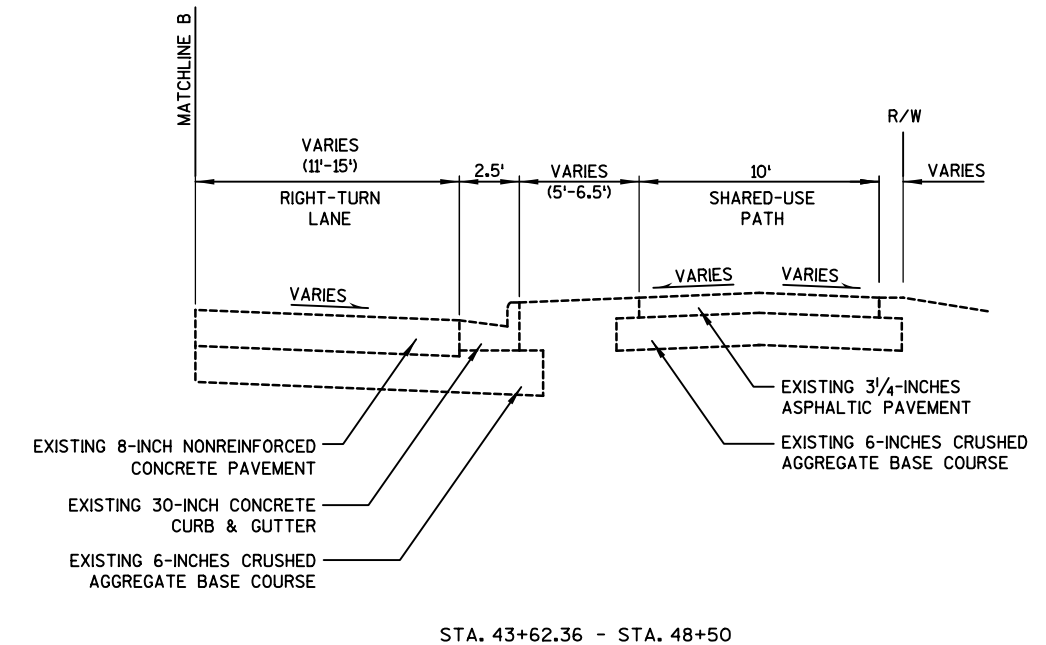




TYPICAL EXISTING SECTION - USH 151
STA. 43+62.36 - STA. 50+39.35



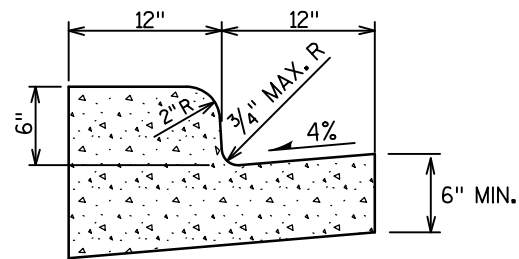
STA. 43+62.36 - STA. 48+50



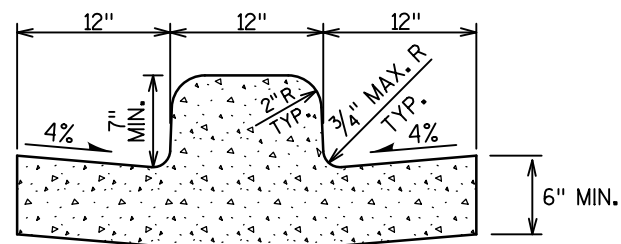
STA. 43+62.36 - STA. 48+50

2

2



CONCRETE CURB & GUTTER 24-INCH TYPE A & TYPE D



CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A & TYPE D

GENERAL NOTES:

PLACE LATERAL CONTRACTION JOINTS AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

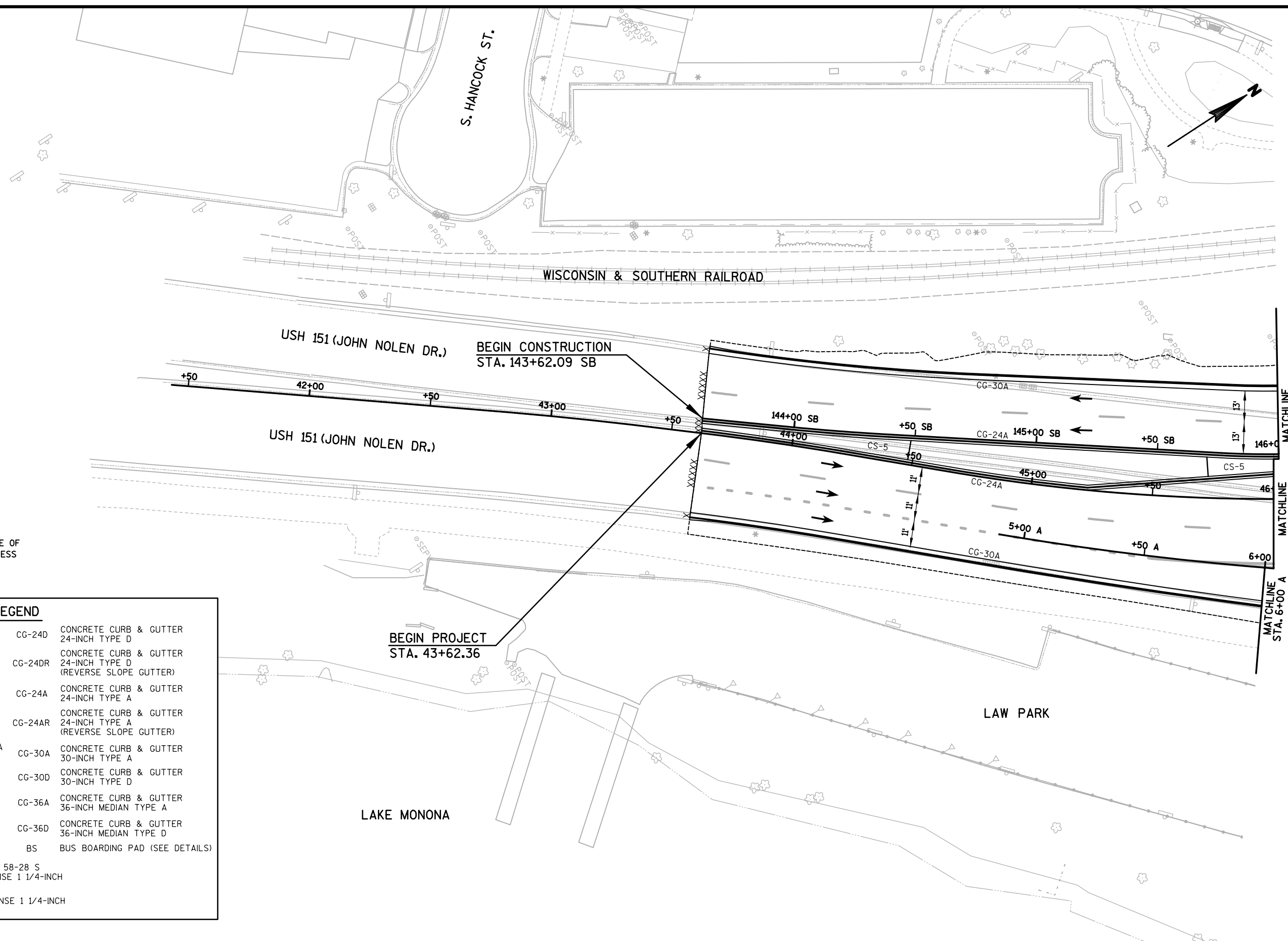
PLACE EXPANSION JOINTS TRANSVERSELY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 1/2" THICK.

IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED BASE AGGREGATE DENSE.

TIE BARS ARE REQUIRED FOR CONCRETE CURB & GUTTER TYPE A.

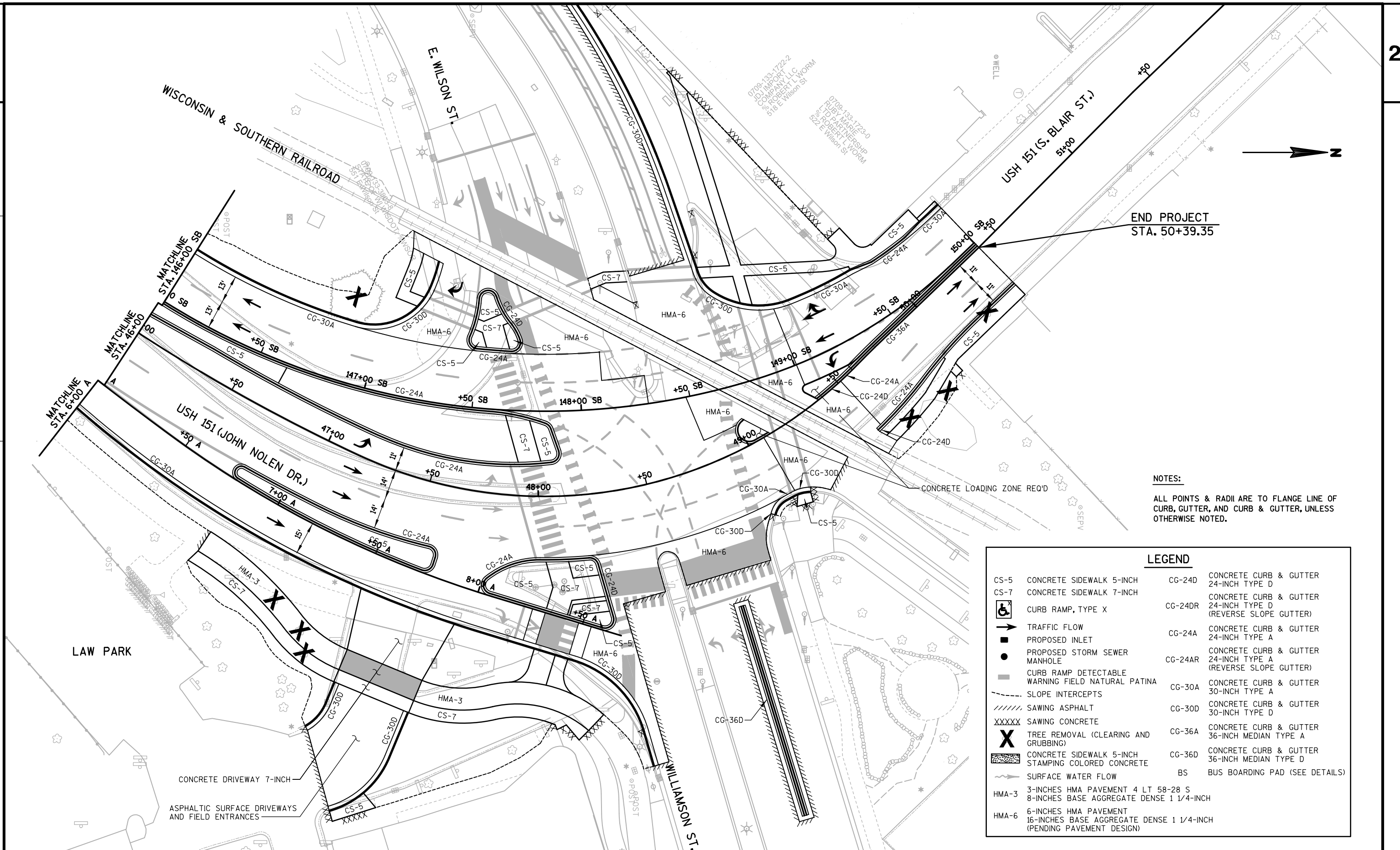
SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES" FOR ADDITIONAL INFORMATION.

CONCRETE CURB & GUTTER DETAILS



NOTES:
 ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND			
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
	TRAFFIC FLOW	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A (REVERSE SLOPE GUTTER)
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE	CG-36A	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A
	WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE D
	SLOPE INTERCEPTS	BS	BUS BOARDING PAD (SEE DETAILS)
	SAWING ASPHALT		
	SAWING CONCRETE		
	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
HMA-6	6-INCHES HMA PAVEMENT 16-INCHES BASE AGGREGATE DENSE 1 1/4-INCH (PENDING PAVEMENT DESIGN)		

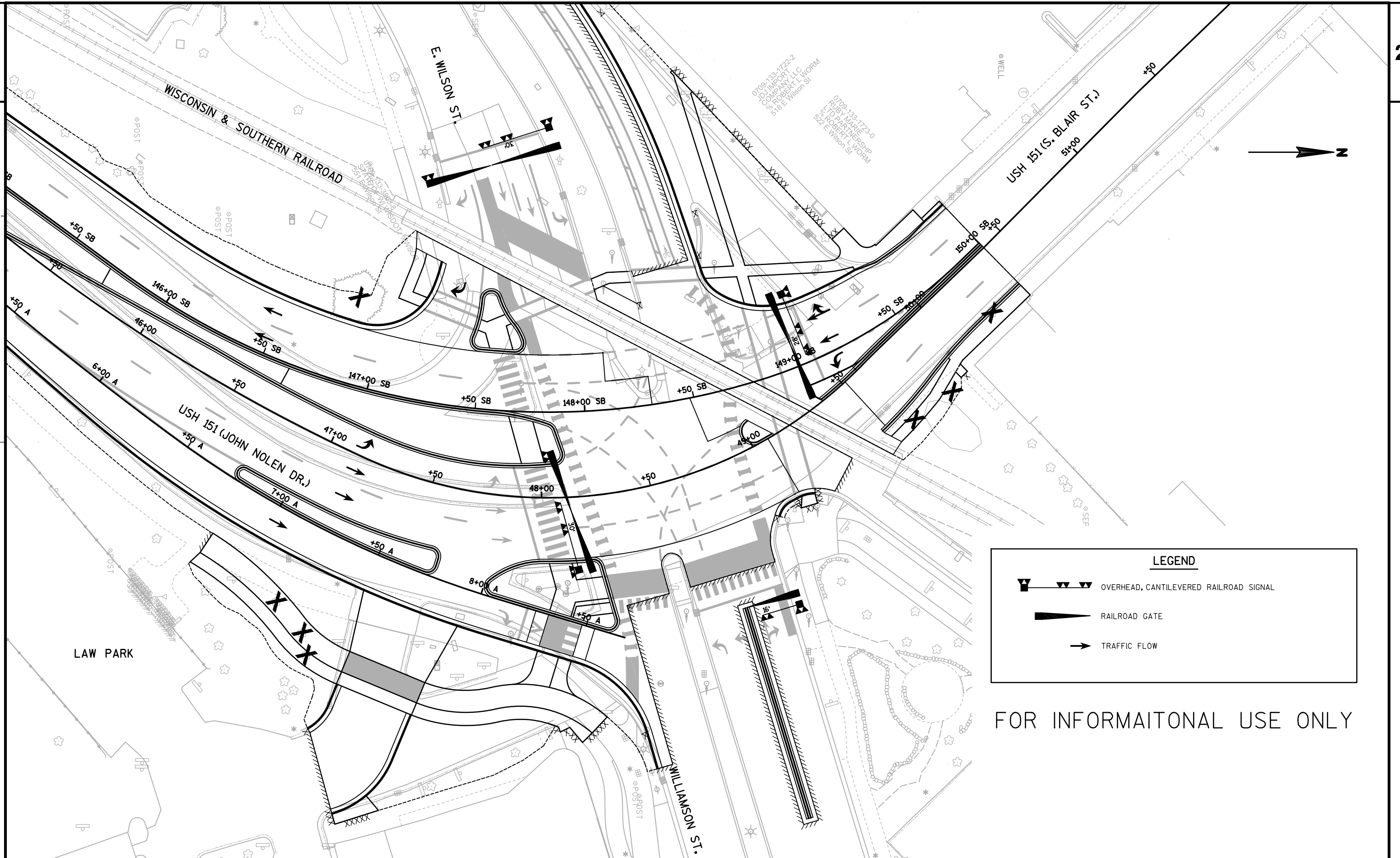


NOTES:
 ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.




LEGEND			
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
	TRAFFIC FLOW	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A (REVERSE SLOPE GUTTER)
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36A	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A
	SLOPE INTERCEPTS	CG-36D	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE D
	SAWING ASPHALT	BS	BUS BOARDING PAD (SEE DETAILS)
	SAWING CONCRETE		
	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH STAMPING COLORED CONCRETE		
	SURFACE WATER FLOW		
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
HMA-6	6-INCHES HMA PAVEMENT 16-INCHES BASE AGGREGATE DENSE 1 1/4-INCH (PENDING PAVEMENT DESIGN)		

2

2



LEGEND

-  OVERHEAD, CANTILEVERED RAILROAD SIGNAL
-  RAILROAD GATE
-  TRAFFIC FLOW

FOR INFORMATIONAL USE ONLY

2

2

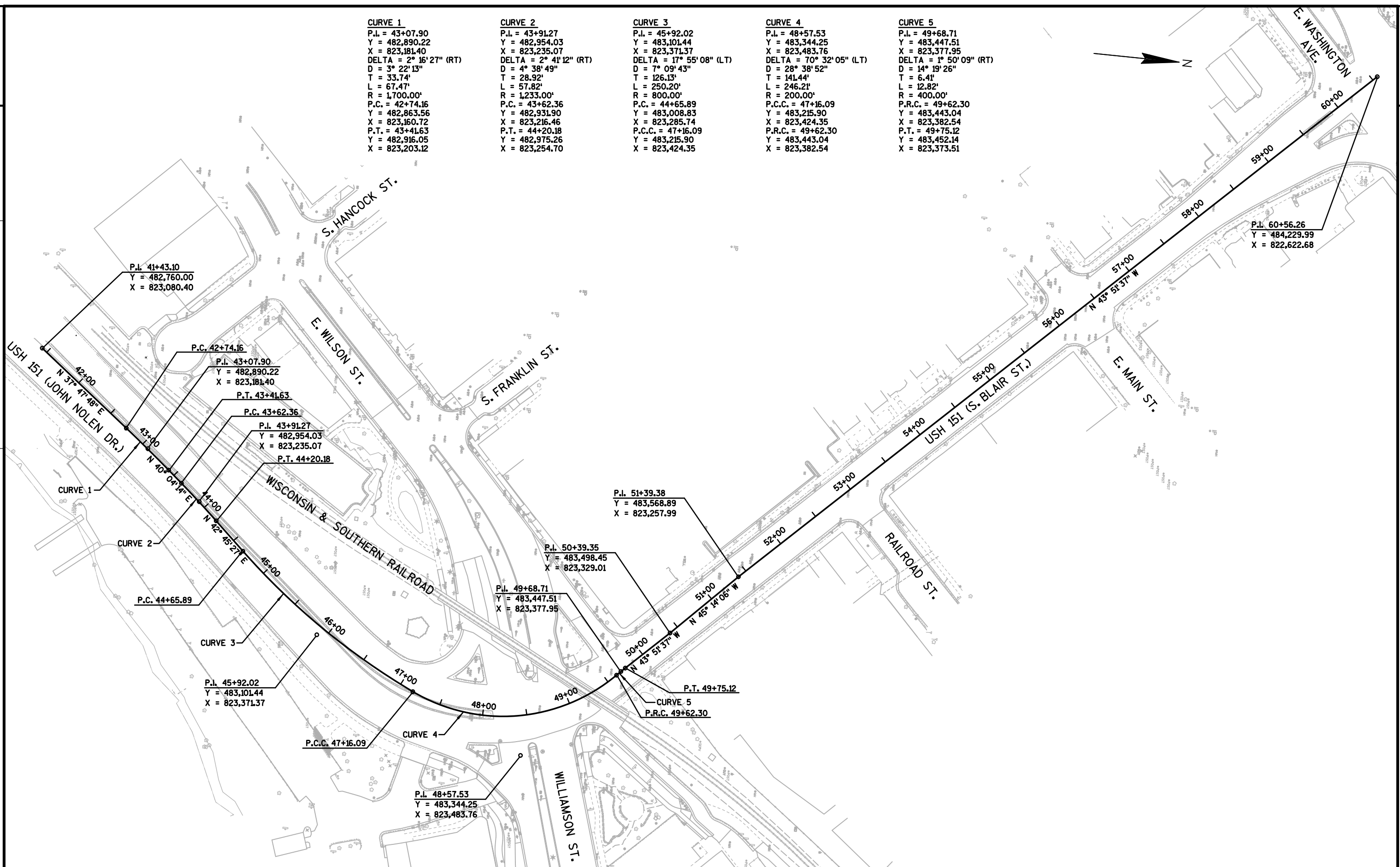
CURVE 1
 P.I. = 43+07.90
 Y = 482,890.22
 X = 823,181.40
 DELTA = 2° 16' 27" (RT)
 D = 3° 22' 13"
 T = 33.74'
 L = 67.47'
 R = 1,700.00'
 P.C. = 42+74.16
 Y = 482,863.56
 X = 823,160.72
 P.T. = 43+41.63
 Y = 482,916.05
 X = 823,203.12

CURVE 2
 P.I. = 43+91.27
 Y = 482,954.03
 X = 823,235.07
 DELTA = 2° 41' 12" (RT)
 D = 4° 38' 49"
 T = 28.92'
 L = 57.82'
 R = 1,233.00'
 P.C. = 43+62.36
 Y = 482,931.90
 X = 823,216.46
 P.T. = 44+20.18
 Y = 482,975.26
 X = 823,254.70

CURVE 3
 P.I. = 45+92.02
 Y = 483,101.44
 X = 823,371.37
 DELTA = 17° 55' 08" (LT)
 D = 7° 09' 43"
 T = 126.13'
 L = 250.20'
 R = 800.00'
 P.C. = 44+65.89
 Y = 483,008.83
 X = 823,285.74
 P.C.C. = 47+16.09
 Y = 483,215.90
 X = 823,424.35

CURVE 4
 P.I. = 48+57.53
 Y = 483,344.25
 X = 823,483.76
 DELTA = 70° 32' 05" (LT)
 D = 28° 38' 52"
 T = 141.44'
 L = 246.21'
 R = 200.00'
 P.C.C. = 47+16.09
 Y = 483,215.90
 X = 823,424.35
 P.R.C. = 49+62.30
 Y = 483,443.04
 X = 823,382.54

CURVE 5
 P.I. = 49+68.71
 Y = 483,447.51
 X = 823,377.95
 DELTA = 1° 50' 09" (RT)
 D = 14° 19' 26"
 T = 6.41'
 L = 12.82'
 R = 400.00'
 P.R.C. = 49+62.30
 Y = 483,443.04
 X = 823,382.54
 P.T. = 49+75.12
 Y = 483,452.14
 X = 823,373.51



2

2

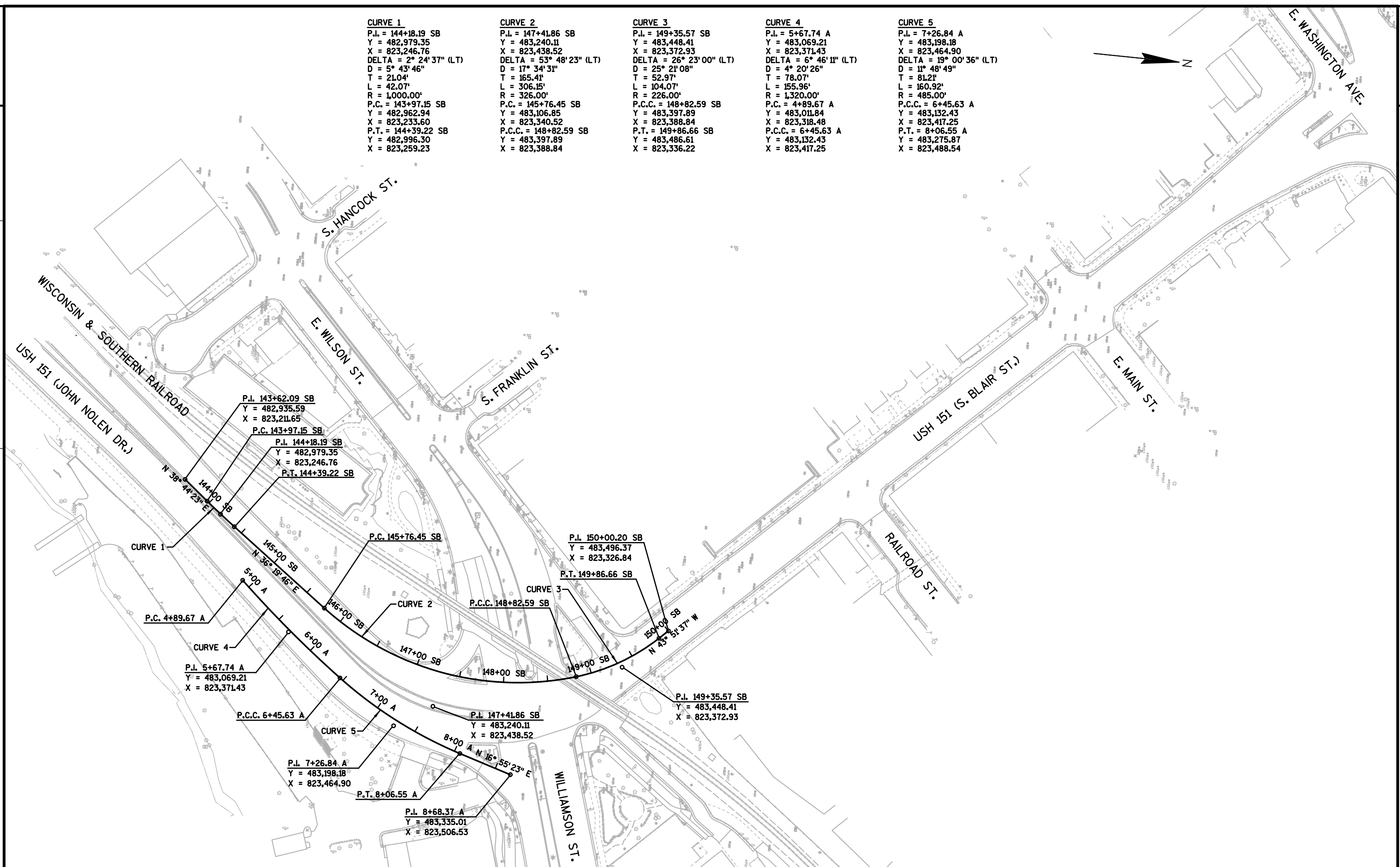
CURVE 1
 P.L. = 144+18.19 SB
 Y = 482,979.35
 X = 823,246.76
 DELTA = 2° 24' 37" (LT)
 D = 5° 43' 46"
 T = 21.04'
 L = 42.07'
 R = 1,000.00'
 P.C. = 143+97.15 SB
 Y = 482,962.94
 X = 823,233.60
 P.T. = 144+39.22 SB
 Y = 482,996.30
 X = 823,259.23

CURVE 2
 P.L. = 147+41.86 SB
 Y = 483,240.11
 X = 823,438.52
 DELTA = 53° 48' 23" (LT)
 D = 17° 34' 31"
 T = 165.41'
 L = 306.15'
 R = 326.00'
 P.C. = 145+76.45 SB
 Y = 483,106.85
 X = 823,340.52
 P.C.C. = 148+82.59 SB
 Y = 483,397.89
 X = 823,388.84

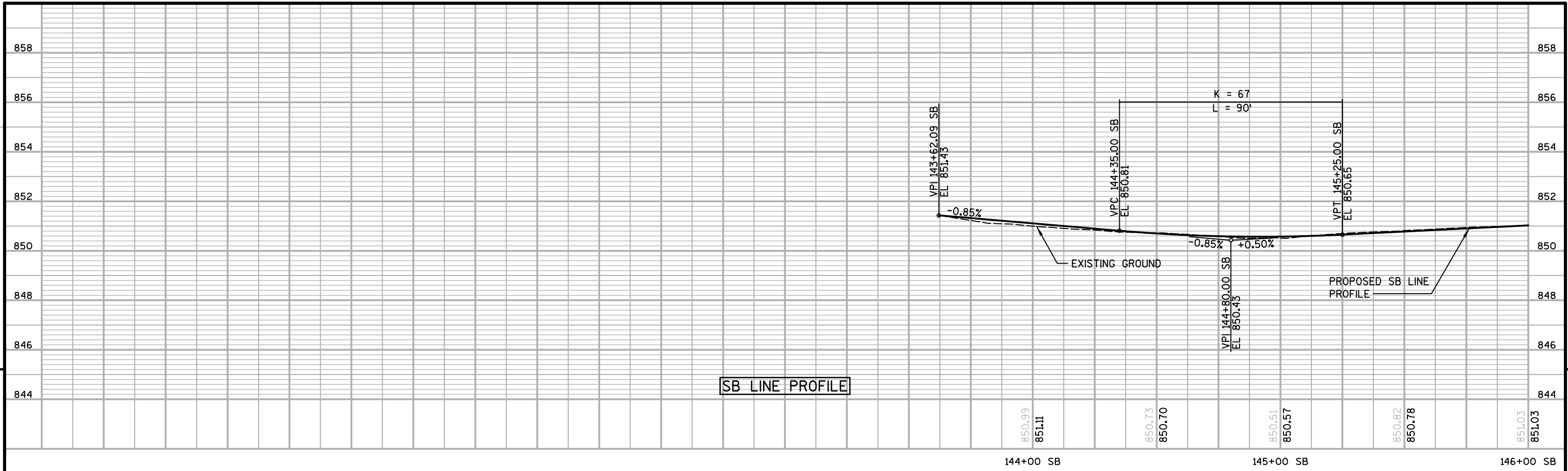
CURVE 3
 P.L. = 149+35.57 SB
 Y = 483,448.41
 X = 823,372.93
 DELTA = 26° 23' 00" (LT)
 D = 25° 21' 08"
 T = 52.97'
 L = 104.07'
 R = 226.00'
 P.C.C. = 148+82.59 SB
 Y = 483,397.89
 X = 823,388.84
 P.T. = 149+86.66 SB
 Y = 483,486.61
 X = 823,336.22

CURVE 4
 P.L. = 5+67.74 A
 Y = 483,069.21
 X = 823,371.43
 DELTA = 6° 46' 11" (LT)
 D = 4° 20' 26"
 T = 78.07'
 L = 155.96'
 R = 1,320.00'
 P.C. = 4+89.67 A
 Y = 483,011.84
 X = 823,318.48
 P.C.C. = 6+45.63 A
 Y = 483,132.43
 X = 823,417.25

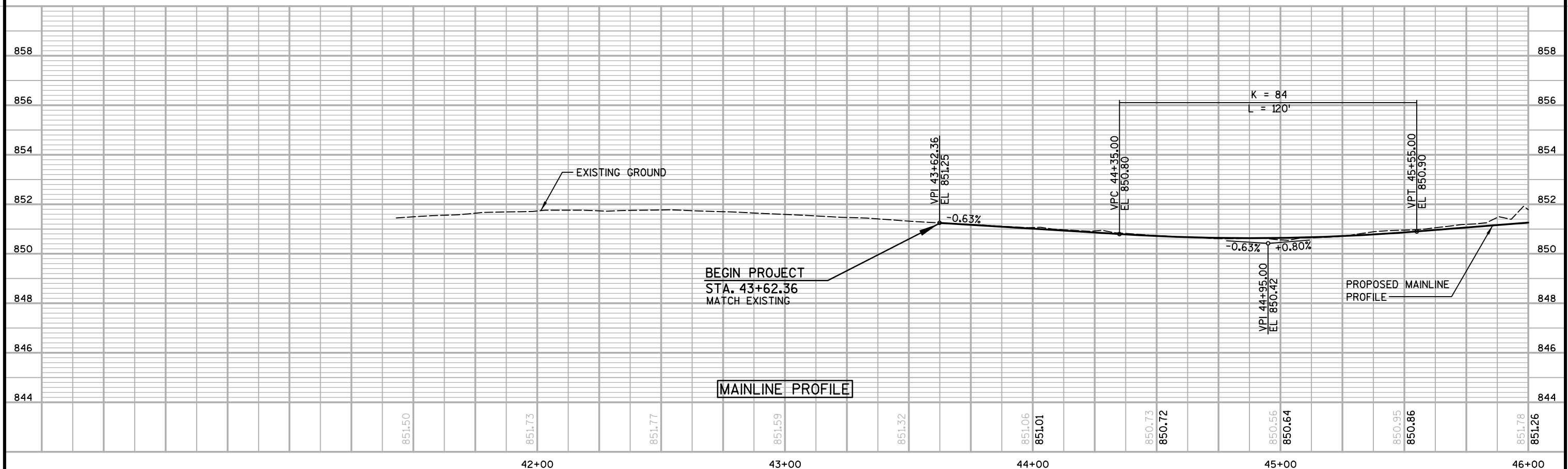
CURVE 5
 P.L. = 7+26.84 A
 Y = 483,198.18
 X = 823,464.90
 DELTA = 19° 00' 36" (LT)
 D = 11° 48' 49"
 T = 81.21'
 L = 160.92'
 R = 485.00'
 P.C.C. = 6+45.63 A
 Y = 483,132.43
 X = 823,417.25
 P.T. = 8+06.55 A
 Y = 483,275.87
 X = 823,488.54



5



5





END PROJECT
 STA. 50+39.35
 MATCH ID 5400-00-73

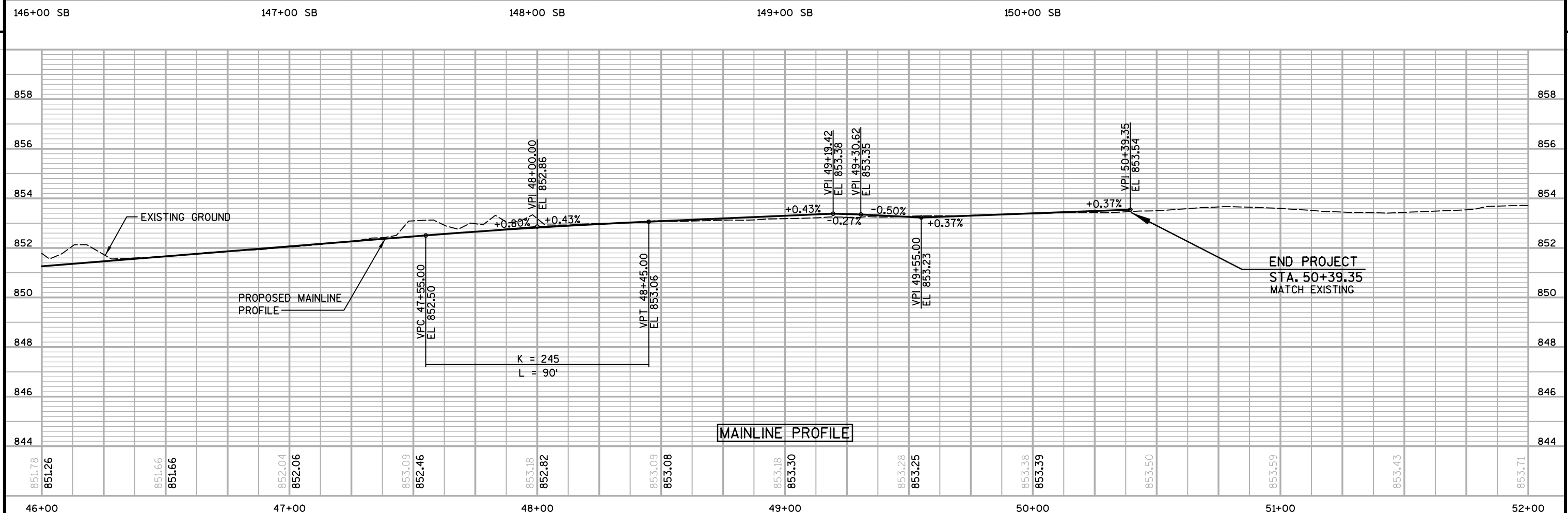
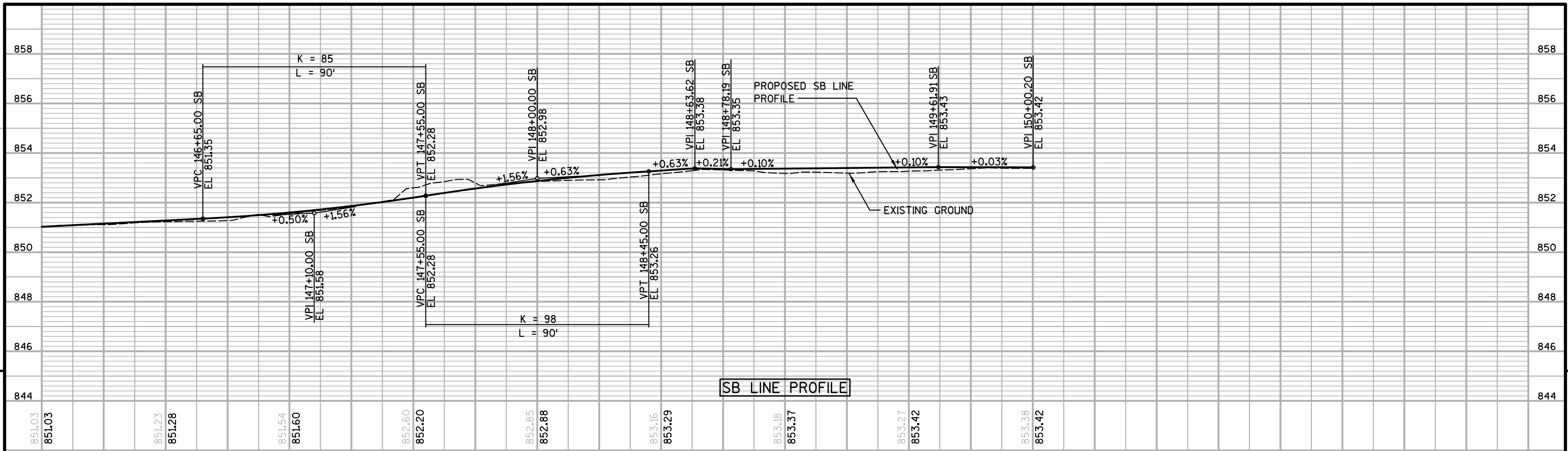
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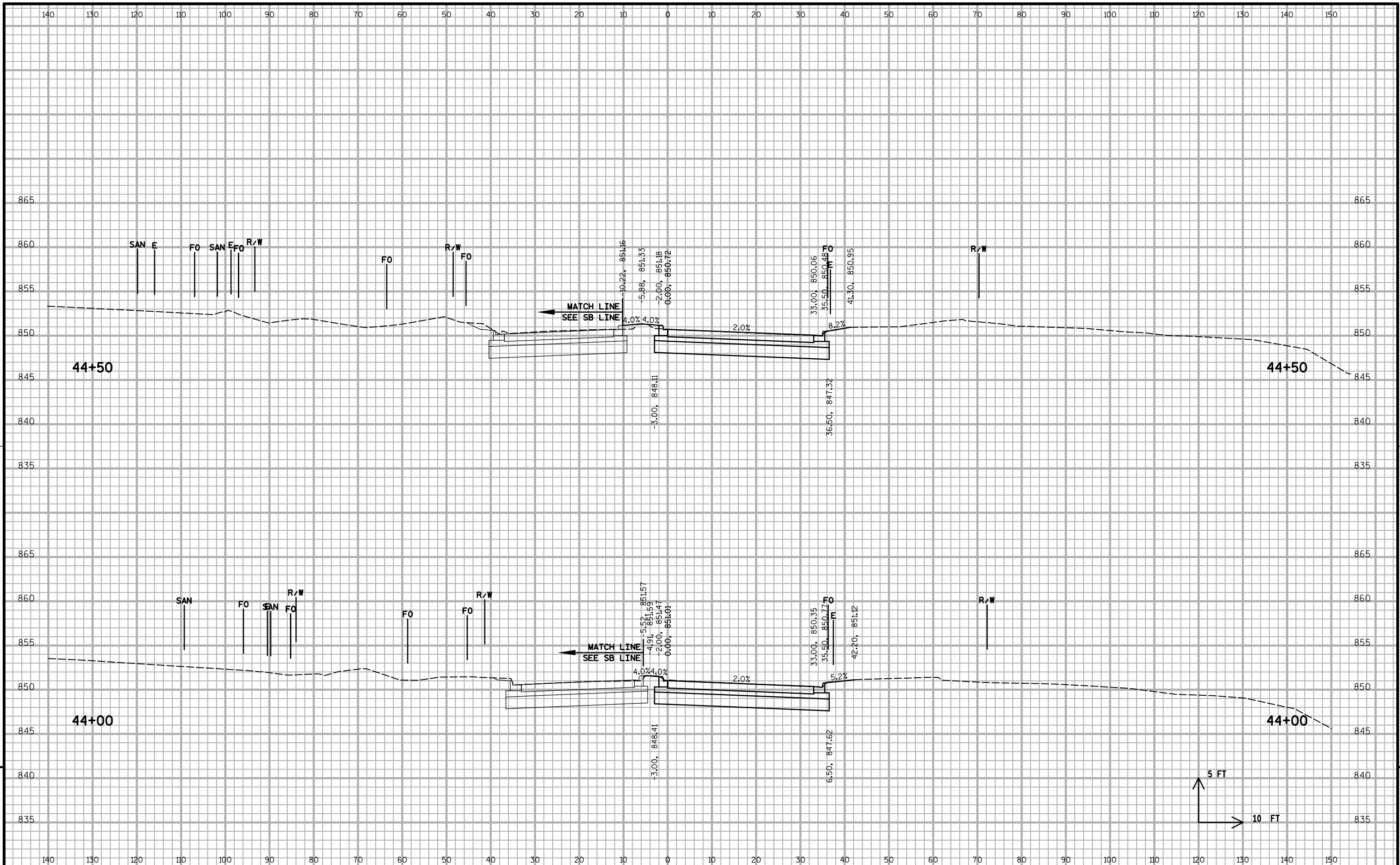
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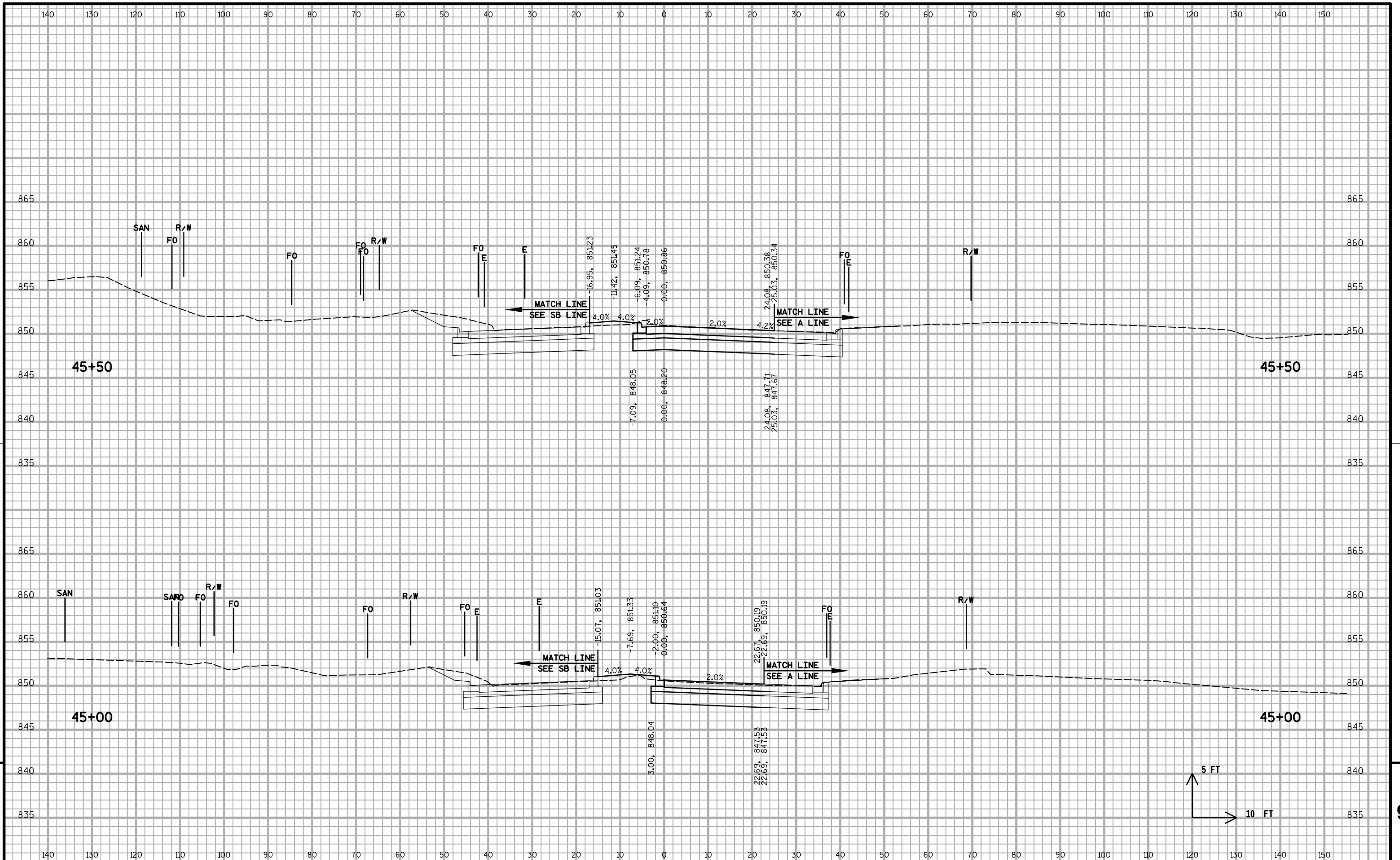
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN - USH 151	SHEET 014	E
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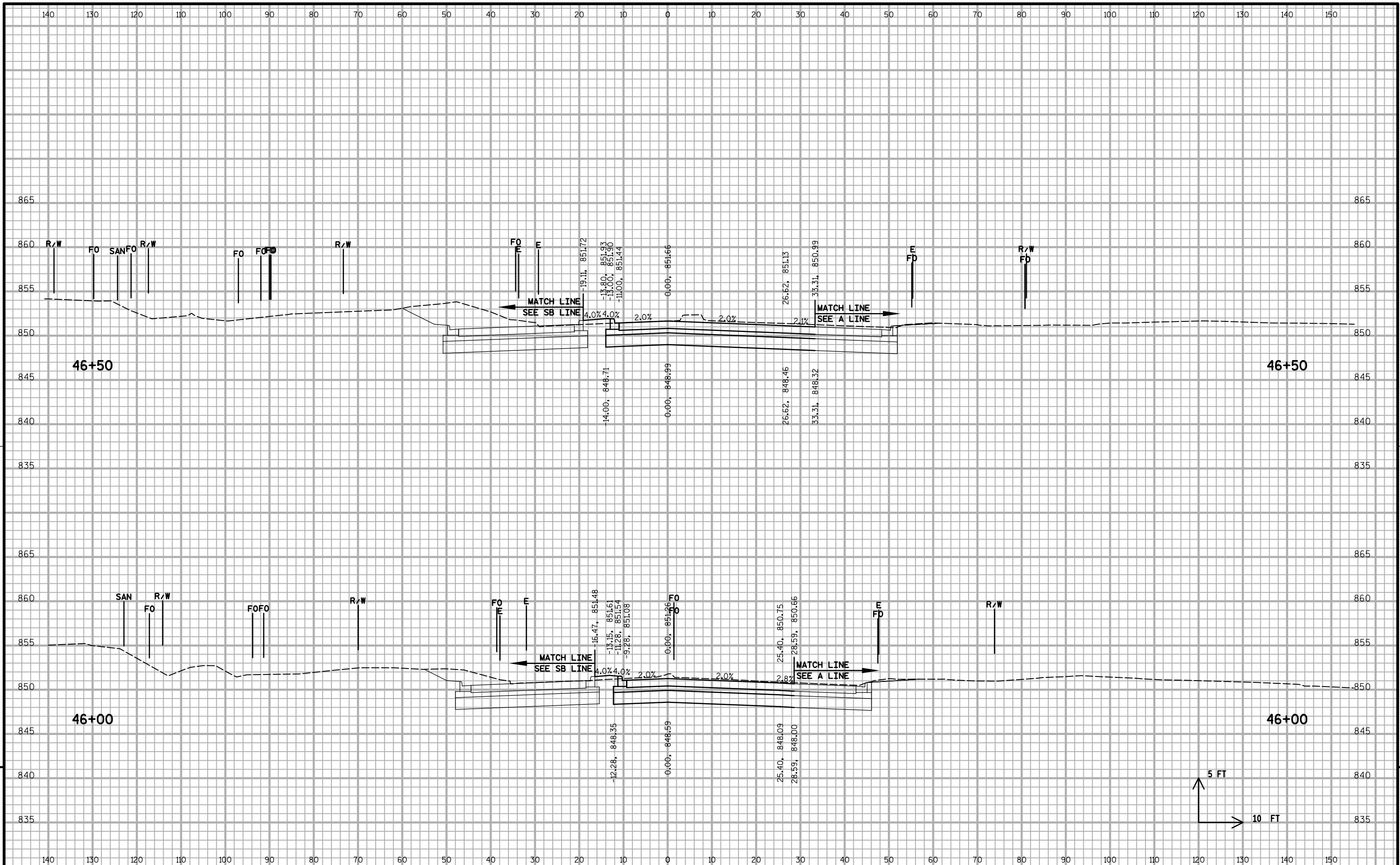
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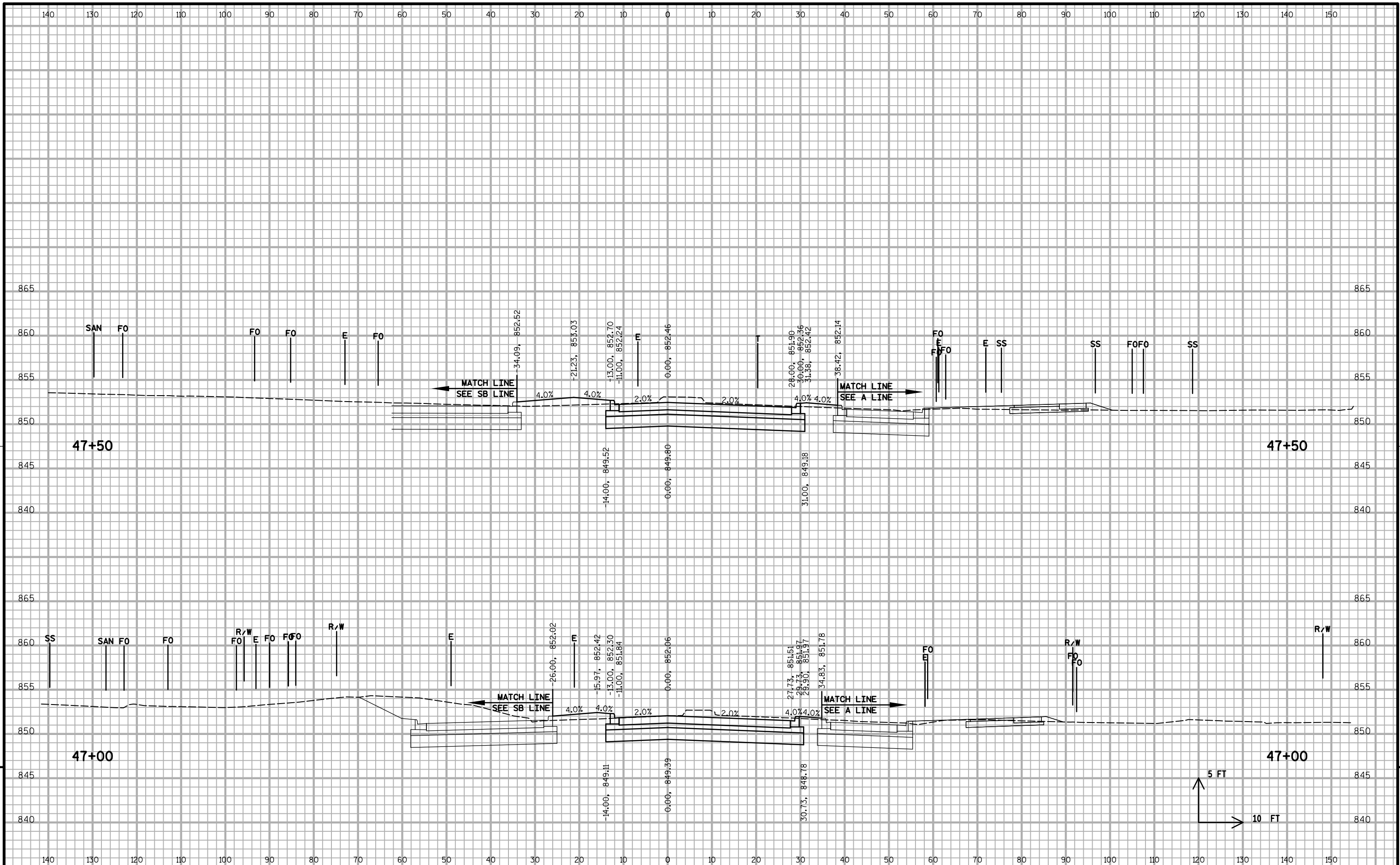
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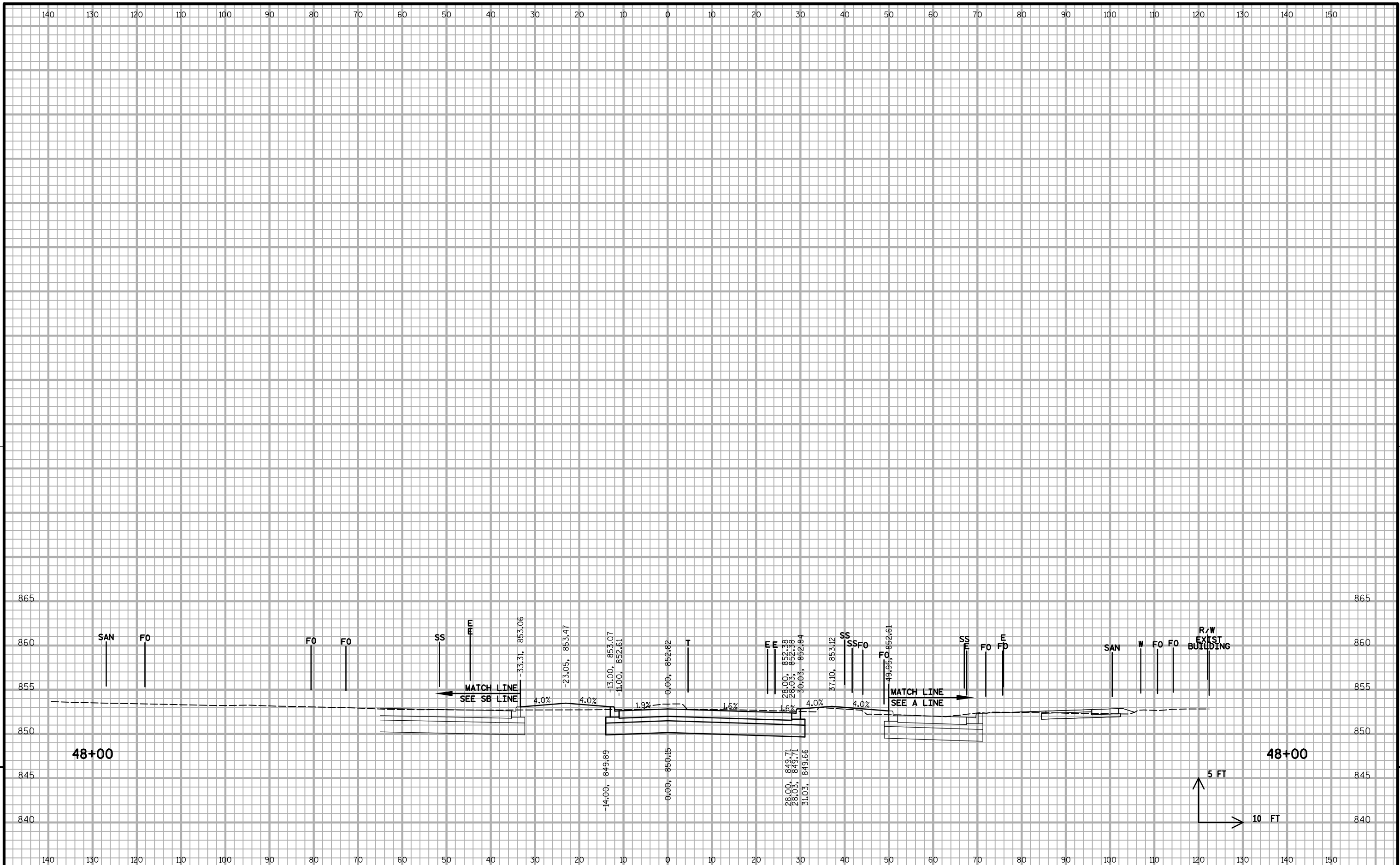


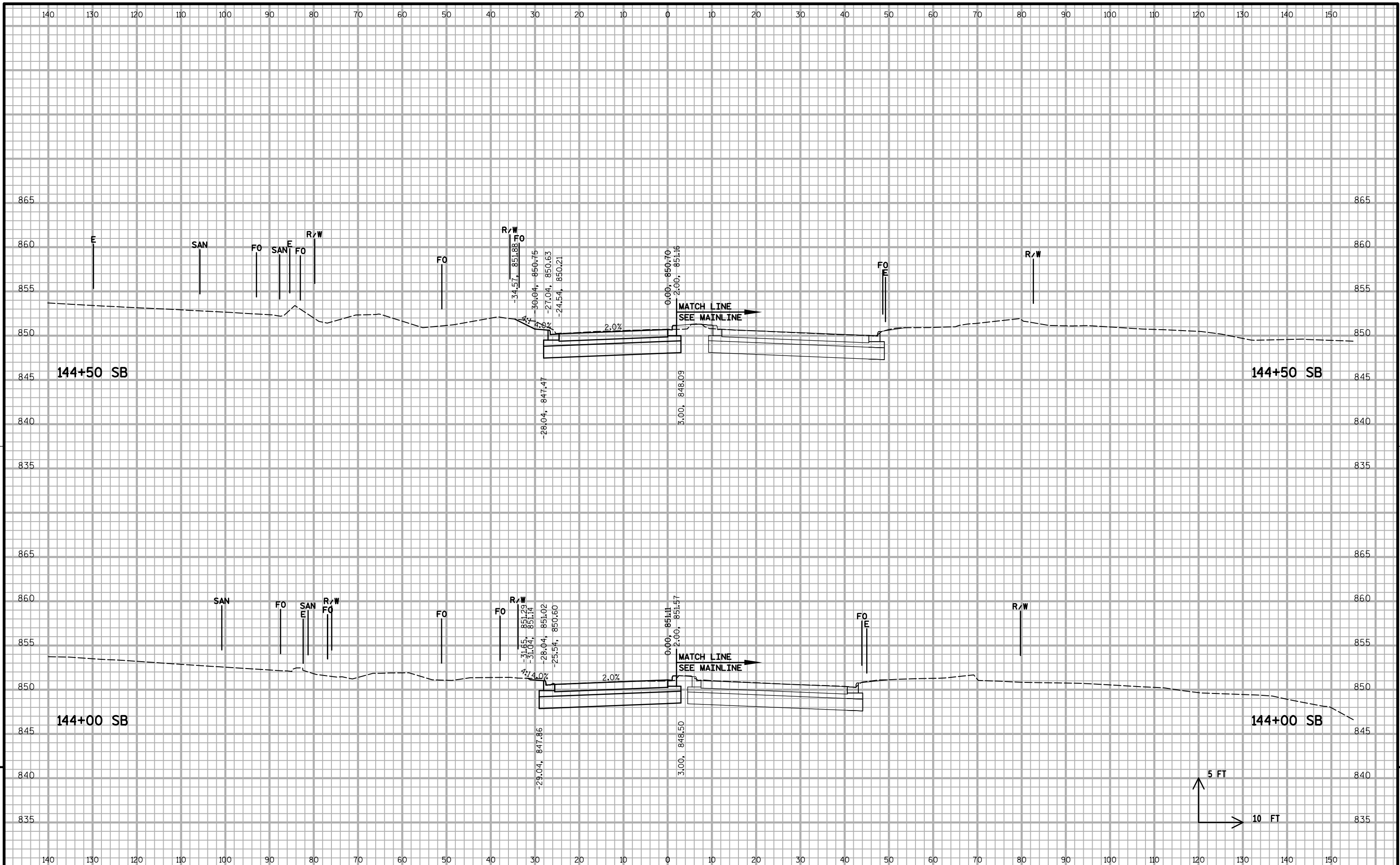






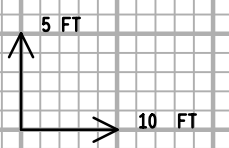


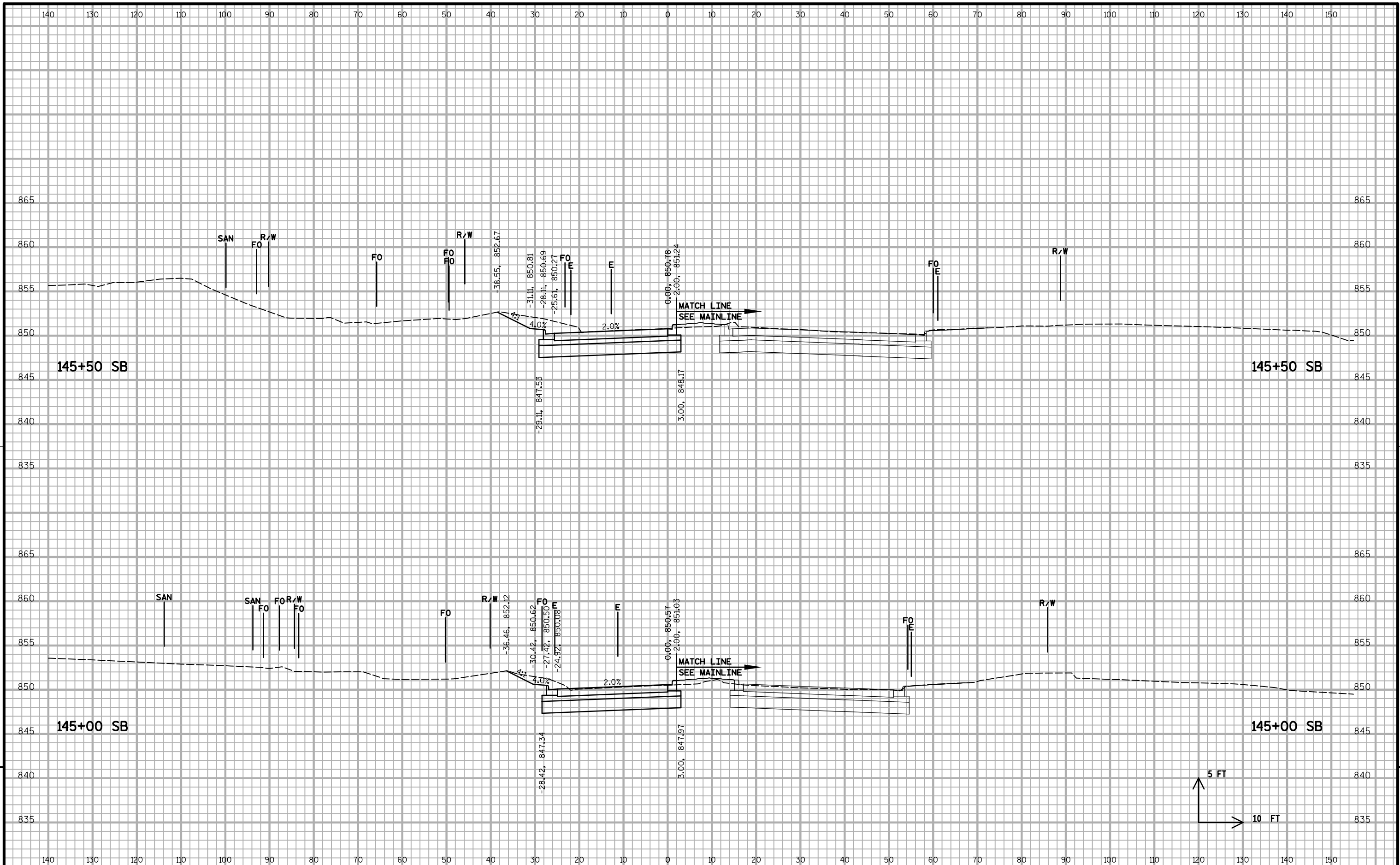


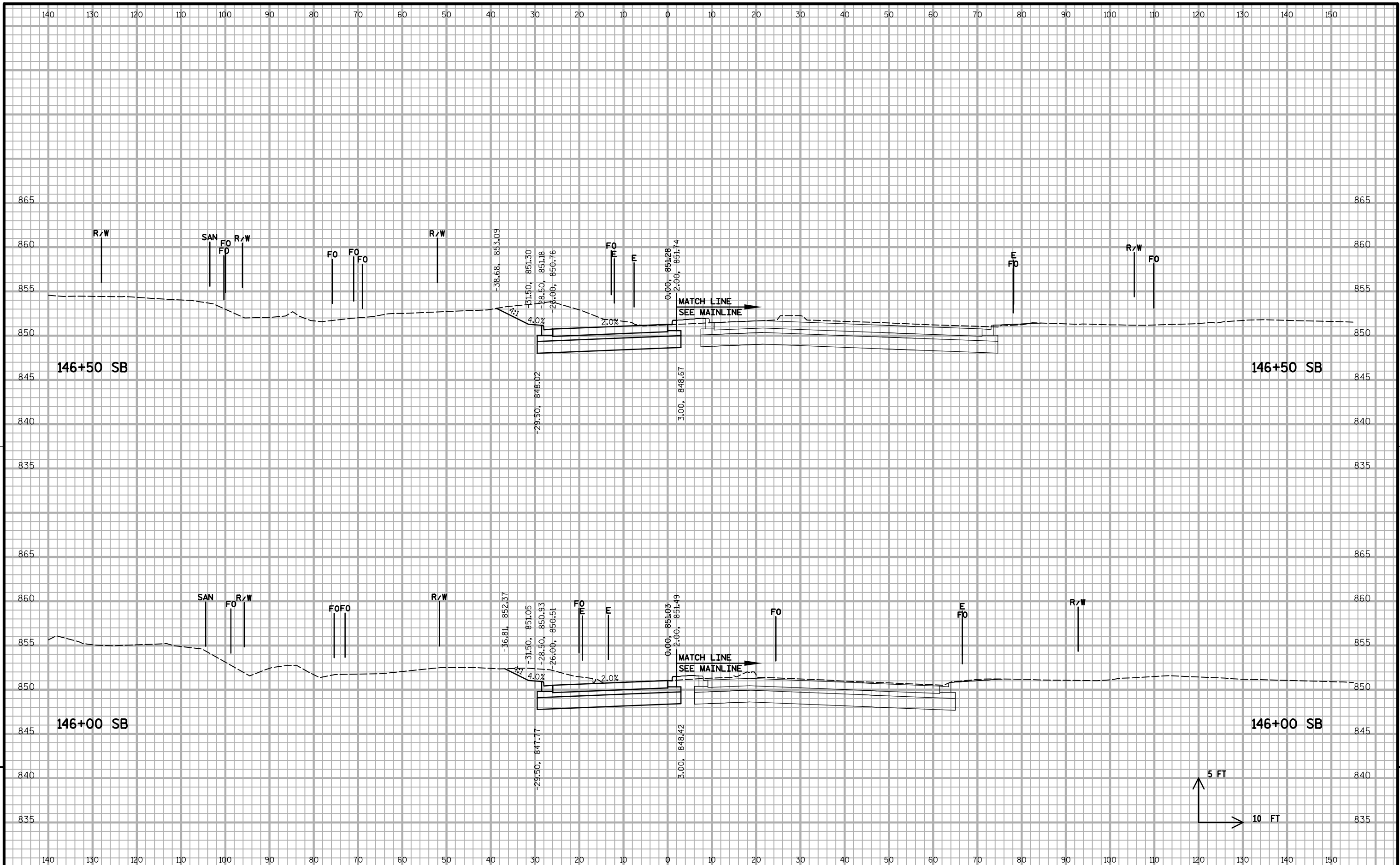


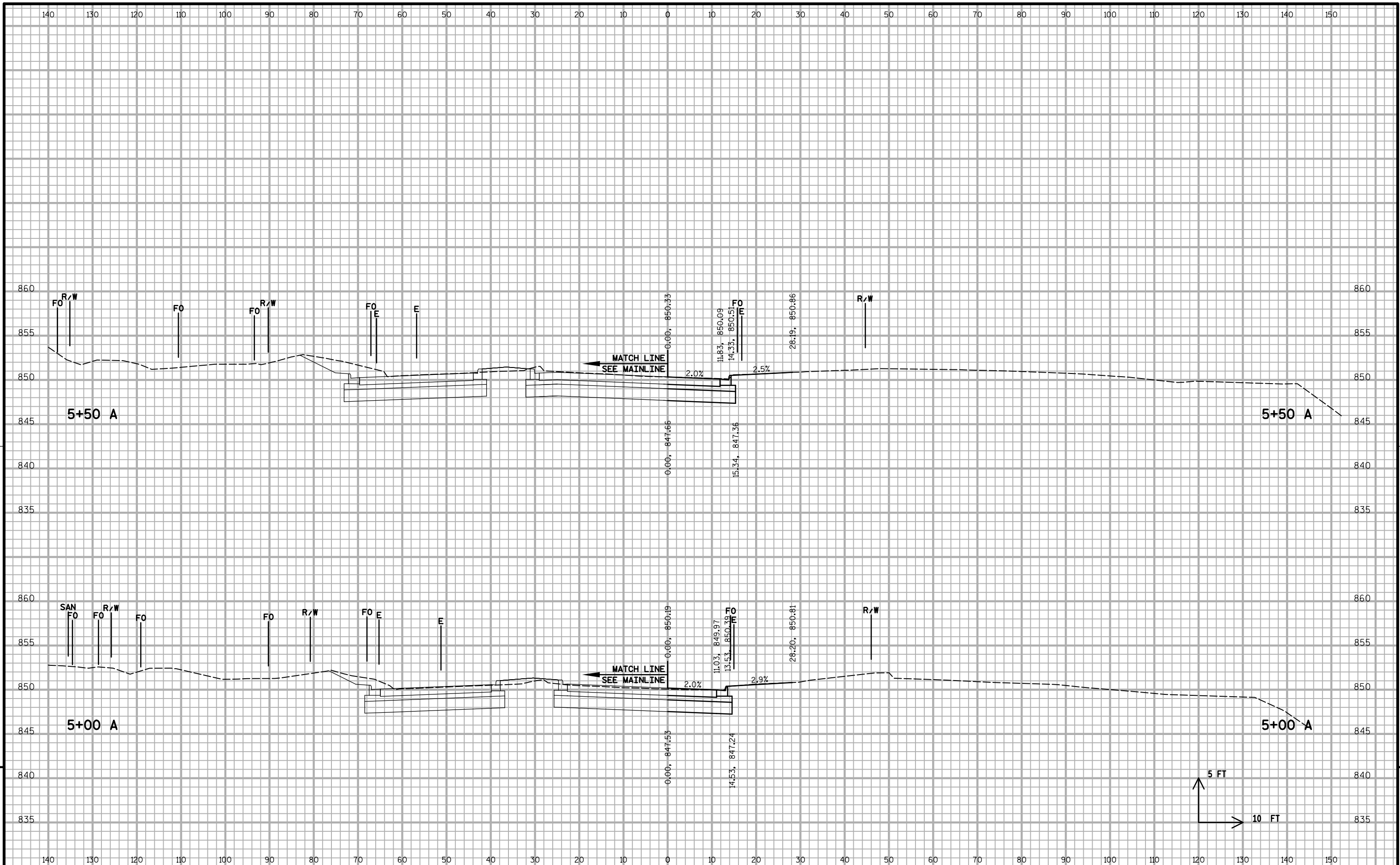
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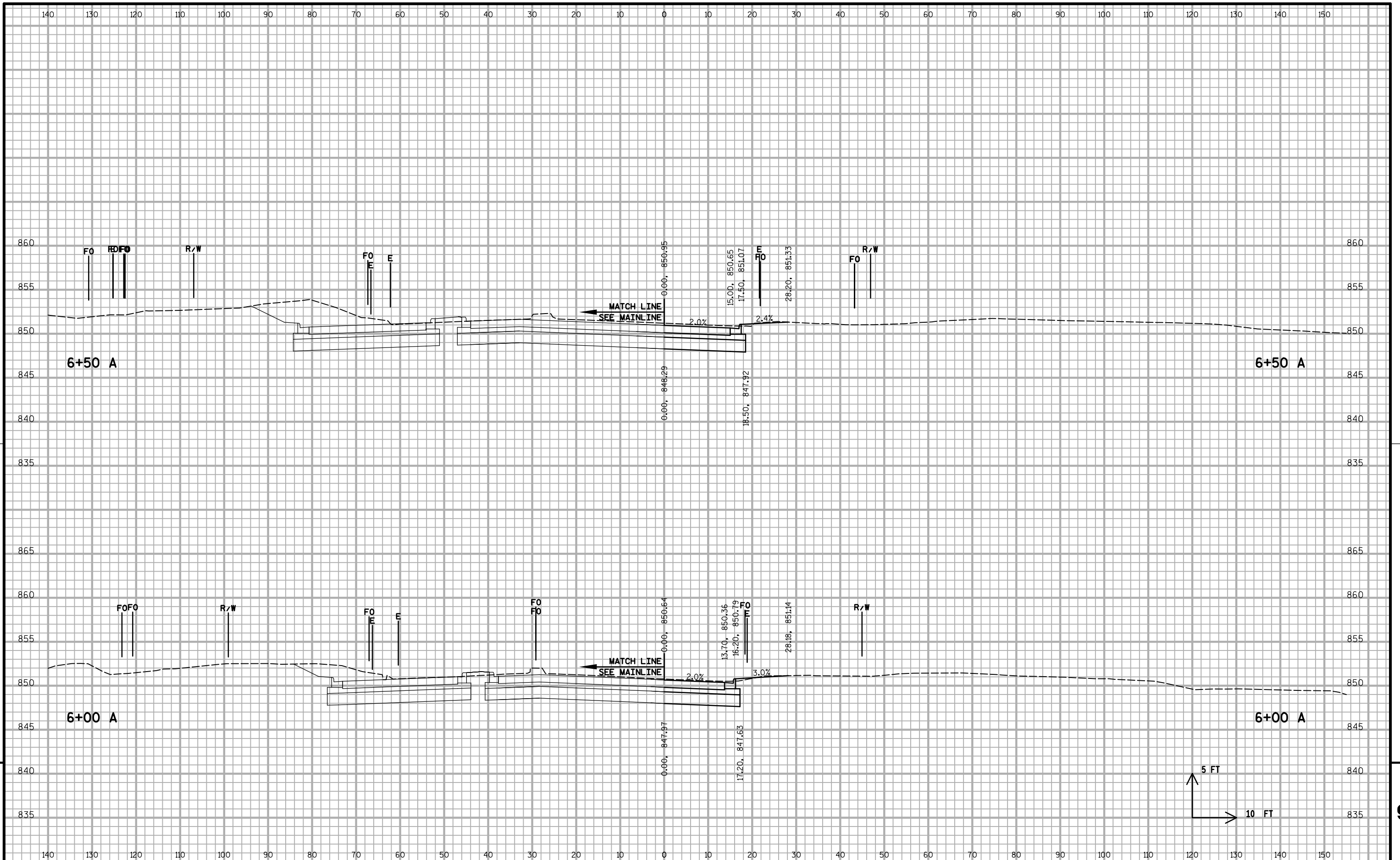
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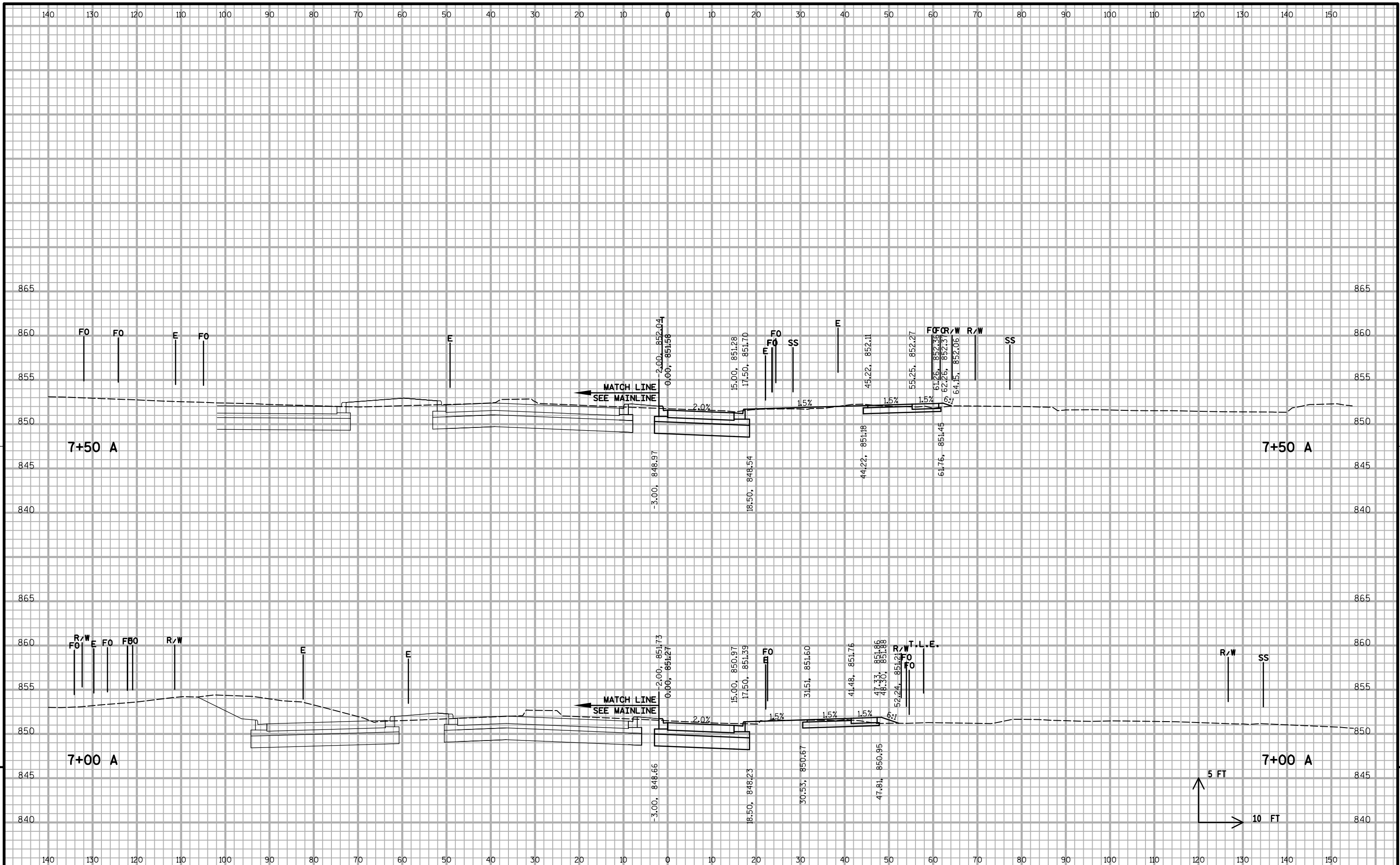




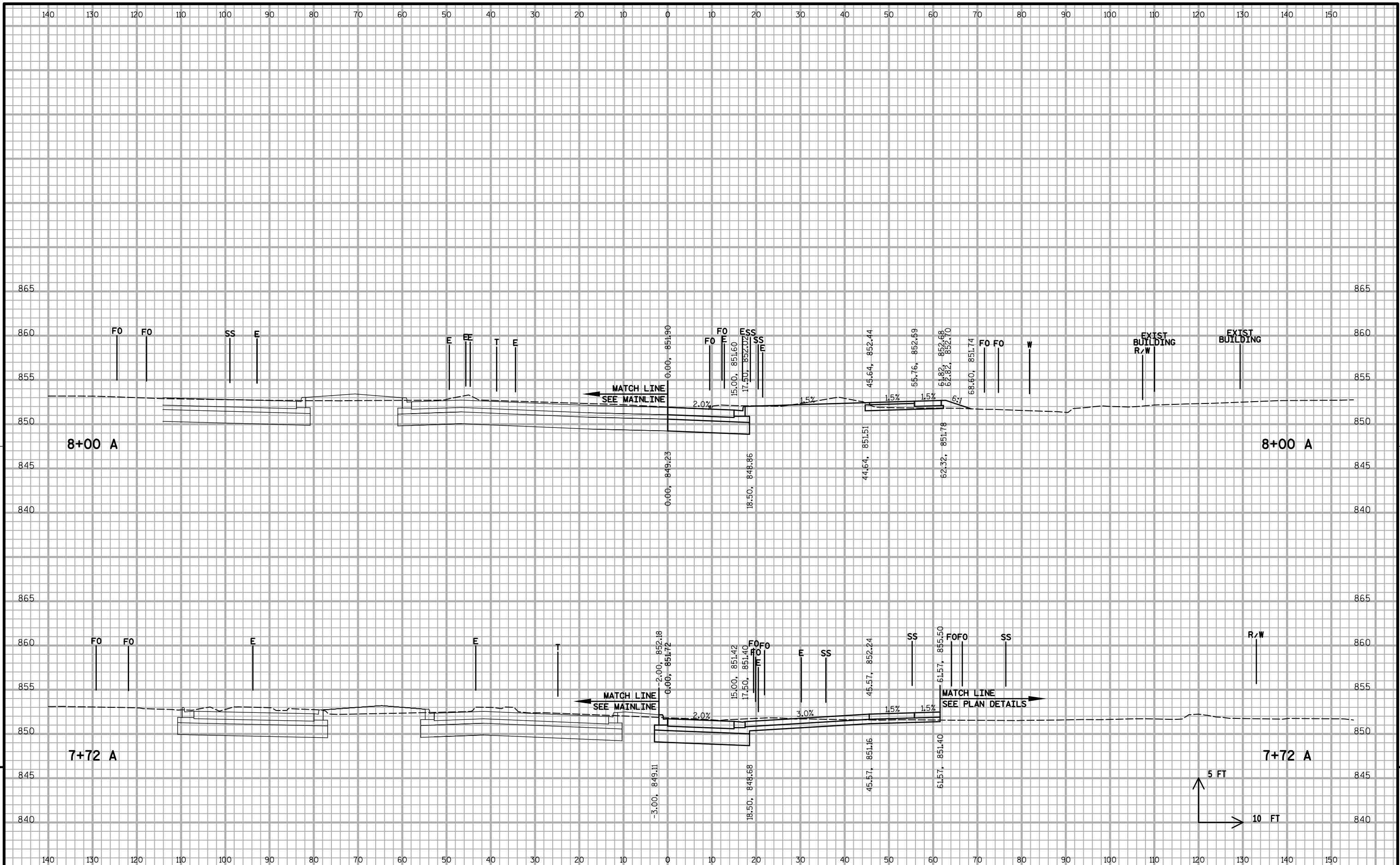


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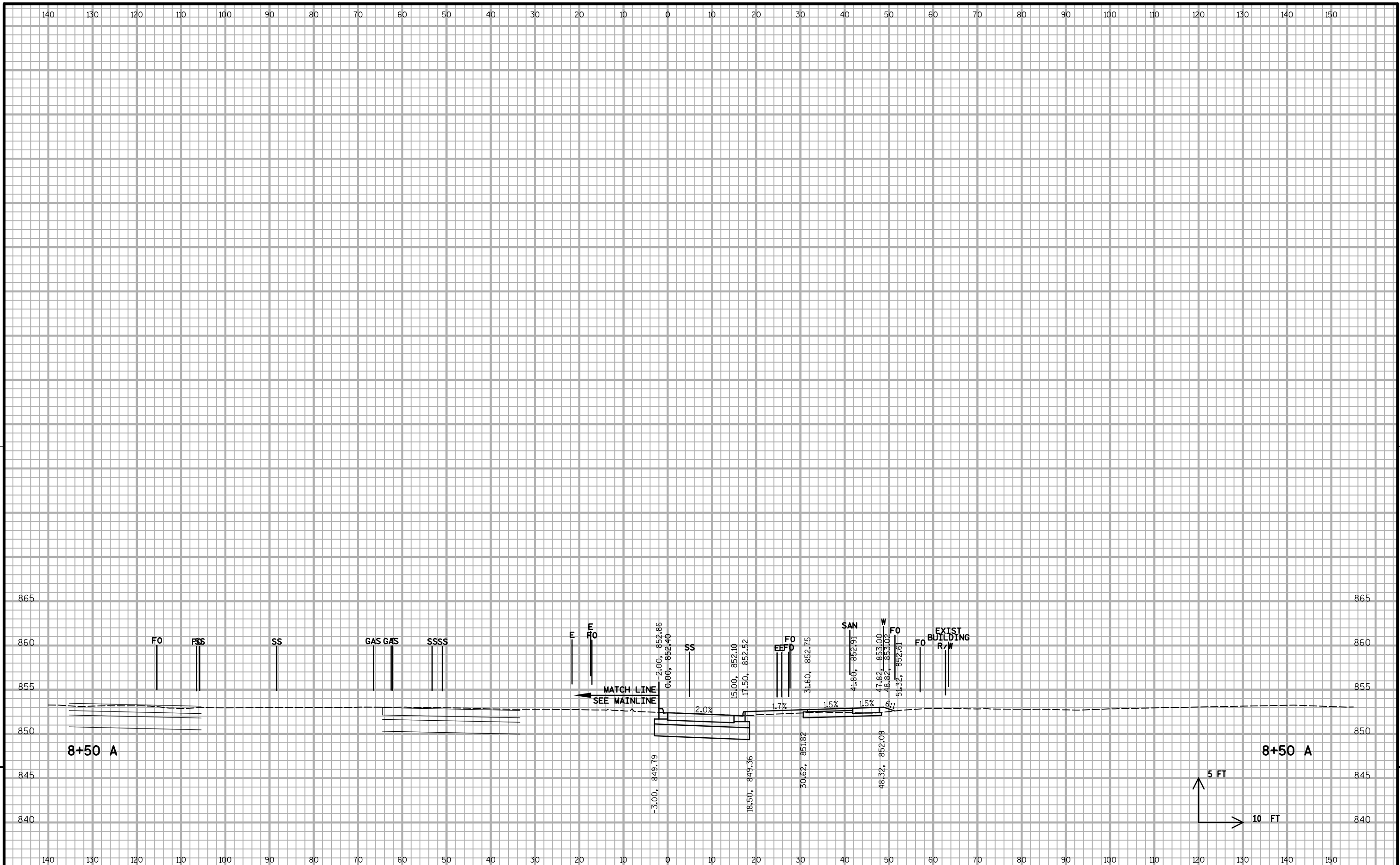
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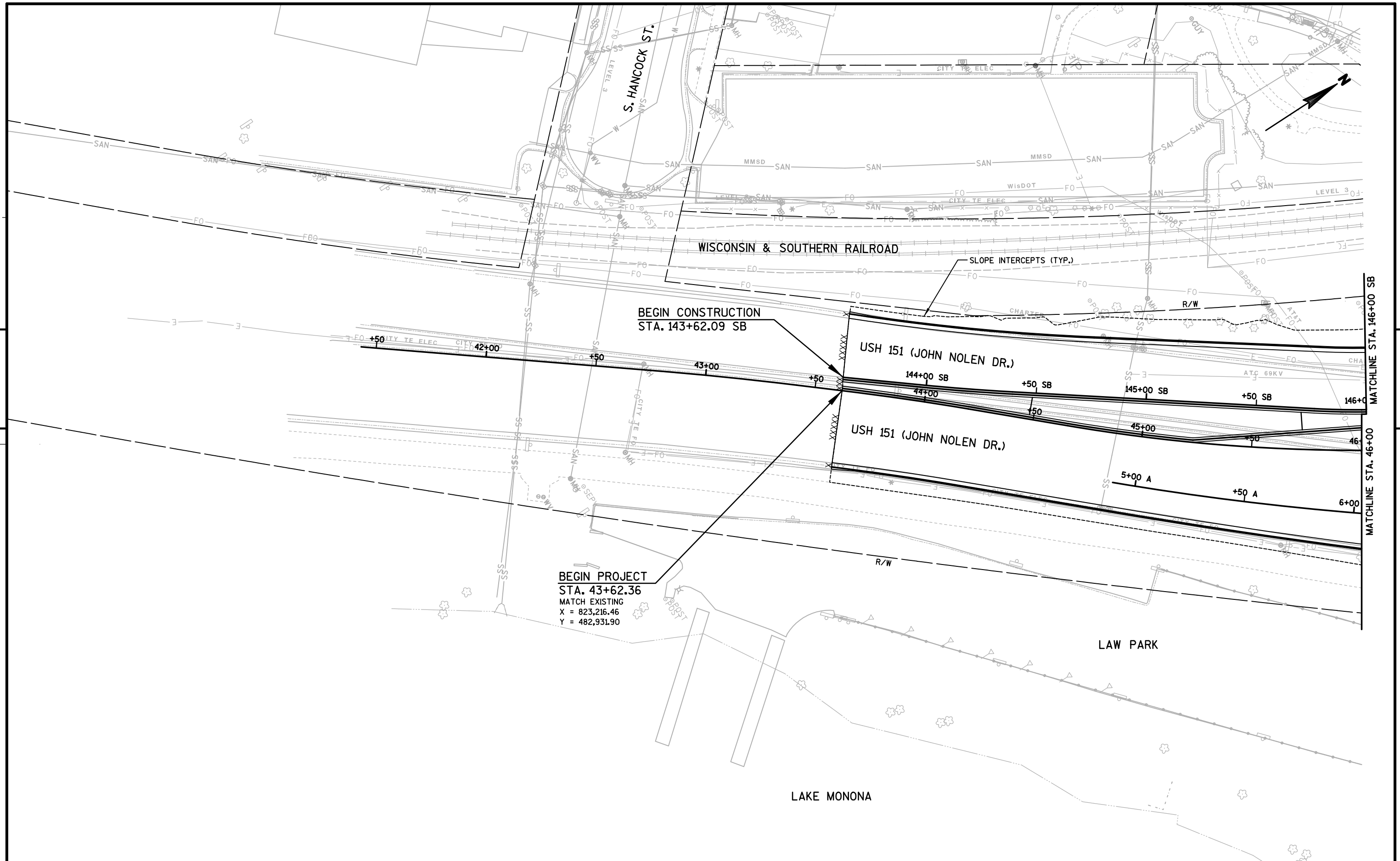


PROJECT NO: 5400-00-72 HWY: USH 151 COUNTY: DANE CROSS SECTIONS - A LINE SHEET 028 E



PROJECT NO: 5400-00-72 HWY: USH 151 COUNTY: DANE CROSS SECTIONS - A LINE SHEET 029 E





5

5



5

5

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN - USH 151	SHEET 014	E
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Appendix B: Background Information

WisDOT Phase 1 Hazardous Materials Assessments Site Summary
(rev. 11/11/2011)

WisDOT Project ID: 5400-00-02
Highway/Street: Blair St./John Nolen Drive/Wilson St./Williamson St.
Termini/Limits: Intersection
County: Dane

Property Information:

Site Name(s): **John Nolen Drive and Law Park (Map I.D. 1)**
 DOT parcel number (if known): **070924212015 & 07091339010**
 Property Address: **99 East Wilson Street & 599 John Nolen Drive, Madison, WI**
 Owner's Name: **City of Madison Parks**
 Owner's Address: **210 Martin Luther King Jr. Boulevard, Madison, WI 53703-3342**
 Owner's Phone: **(608) 266-4711**
 Current Land Use: **Roadway, Park & Convention Center**
 Past Land Use: **Lake Monona, Boat Houses**

Real Estate Requirements:

- None Total take Strip acquisition of _____ feet
 Temporary Limited Easement (TLE)
 Permanent Limited Easement (PLE)
 Other (describe) _____

Construction Requirements:

- Excavation within current right of way to _____ feet
 Excavation within proposed right of way to _____ feet
 Excavation within easement to _____ feet
 Public or private utility or sanitary or storm sewer installation or excavation to _____ feet

Information from database searches and interviews:

Department Ag, Trade, Consumer Protection (DATCP)

- site has registered tanks ASTs USTs
 tanks are currently in use
 tanks are abandoned. Date: _____

Tank contents:

- Leaded gasoline Unleaded gasoline Fuel Oil Diesel
 Kerosene Unknown Other (describe) _____
 site is a DATCP administered LUST site; DATCP ID number: _____
 site is a closed DATCP LUST site; closure date: _____

Department of Natural Resources (DNR)

- site is a DNR administered LUST site; BRRTS number: **(03-13-002205)**
 site is a DNR administered ERP site; BRRTS number: _____
 site is a closed LUST ERP site; closure date: **03/11/94**
 site is a landfill
 site is an abandoned waste disposal site
 site is a hazardous waste generator
 Other (please describe) **Site also has 3 spills and 1 No Action Required activity.**

Fire Insurance Maps: **Site was filled, formerly was part of Lake Monona.**

WisDOT historic plan sets: site is a _____ on project _____ dated _____. Comments: **Historical plans and maps show the area south of the RR tracks was lake that was filled.**

Business directories: **Not Reviewed.**

A check in a checkbox indicates a positive or "yes" response.

Aerial photos: site is a **landfill and lake** on photo dated **1937**. Comments: **Historical plans and maps show the area south of the RR tracks was lake that was filled.**

Contamination discovered at 9 feet near boring B-12.

Interview Information or other comments: **Site includes Law Park and Monona Terrace. Site has ASTs, three spills, one LUST, & one NAR activity. Waste disposal site with known refuse and fill.**

Visual Evidence of Potential Contamination: (include additional information in space provided)

No evidence of tanks

USTs ASTs Location, number and condition of tanks, contents, comments:

Location in relationship to current right of way: map attached

Location in relationship to proposed right of way: map attached

Drums Stained soils Odor Sheen on surface water Areas of excavation

Areas of fill Stressed vegetation Pond(s) Basins/sumps Monitoring wells

Soil borings

Comments: **No visual concerns.**

Potential for Contaminant Migration: (attach supporting documentation such as plume maps, summaries of site investigation or closure reports).

Property is a potential source of contamination

Adjacent property is a potential source of contamination. **Refer to report for additional details.**

Contaminated soil known to be within proposed right of way **~7 feet BGS in certain locations.**

Contaminated groundwater known to be within proposed right of way at _____ feet below ground surface.

Contaminated soil known to be within existing right of way **~7 feet BGS in certain locations.**

Attachments – required

Site photographs and a site map showing areas of concern

Plat map showing parcel and any proposed areas of acquisition or easement

Historic aerial photos of site - clearly outline site

Historic WisDOT or other as-builts and plat maps - clearly outline site

Plume maps for known contamination. Indicate existing or proposed right of way where applicable.

Recommendations

No additional hazardous materials investigation is required.

If construction or real estate requirements change, evaluation of need for further investigation will be necessary.

Information is sufficient to use Standard Special Provisions.

Conduct additional investigation

Phase 2 (determine if contamination is present)

Phase 2.5 (determine extent of contamination within existing R/W only)

Phase 3 (determine full extent of contamination prior to acquisition)

Phase 4 (remediate site)

Other (describe)

Prepared by: **Steven S. Small (Strand Associates, Inc.)** on **February 2020**

Recommendations accepted by (name and title): _____ on _____

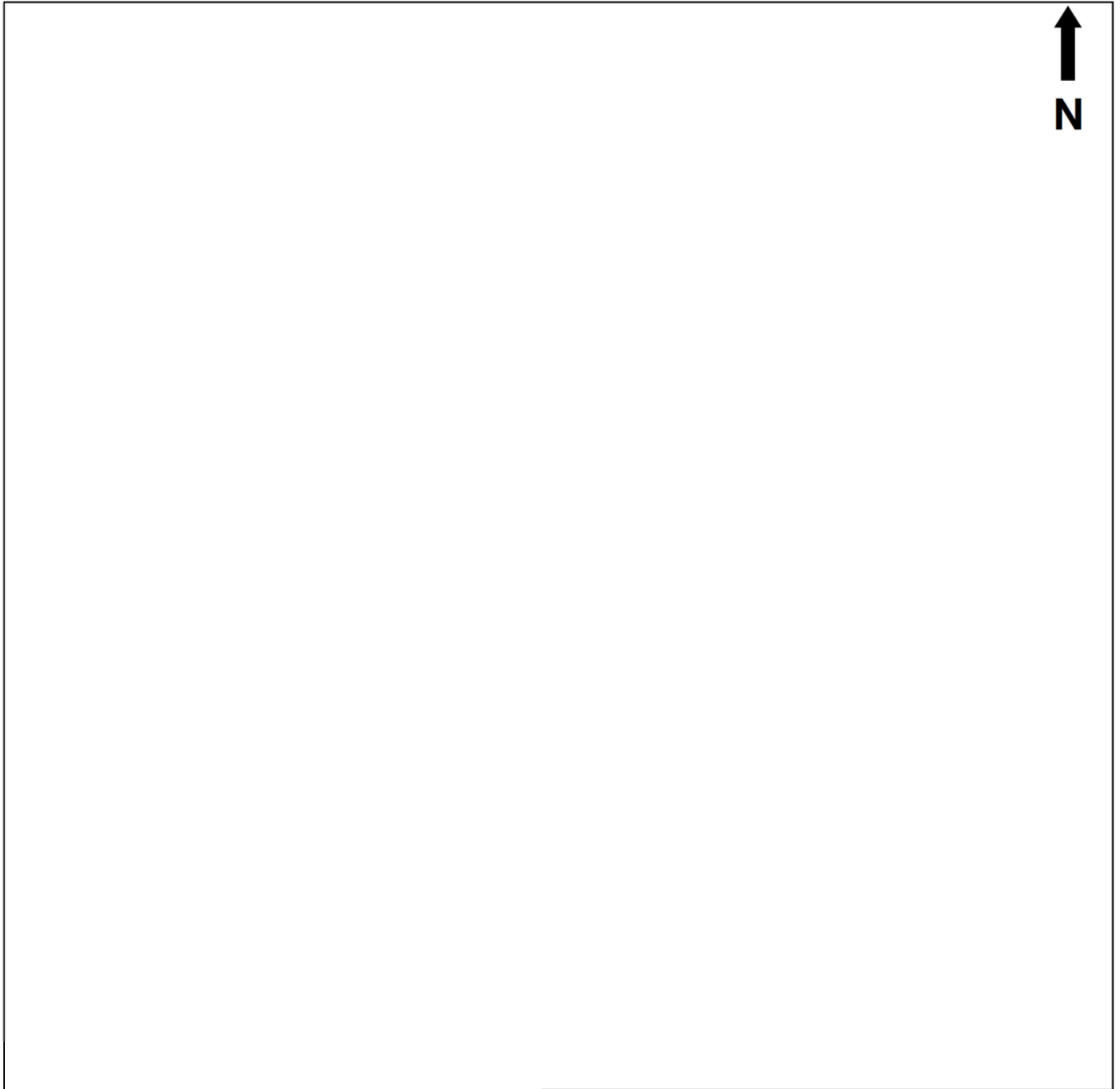
Signature: _____

A check in a checkbox indicates a positive or “yes” response.

SITE SKETCH

South Blair Street/John Nolen Drive/Wilson Street/Williamson Street Intersection
Phase 1 Hazardous Materials Assessment

WisDOT Project I.D. 5400-00-02



APPENDIX B	Map ID(s):	1
	Site Name:	John Nolen Drive and Law Park

Date: February 4, 2020

Time: AM

Description: North

Looking north along Blair Street at east end site.



Date: February 4, 2020

Time: AM

Description: East

Looking west at the intersection of Blair Street and Williamson Street (east end of Parcel).



**APPENDIX B
JOHN NOLEN DRIVE
AND LAW PARK**

**SOUTH BLAIR STREET/JOHN NOLEN DRIVE/WILSON
STREET/WILLIAMSON STREET INTERSECTION

PHASE 1 HAZARDOUS MATERIALS ASSESSMENT
SITE PHOTOGRAPHS
WISDOT PROJECT I.D. NO. 5400-00-02**



Date: February 4, 2020

Time: AM

Description: South

Looking west within parking area of Law Park.



Date: February 4, 2020

Time: AM

Description: West

Looking west along bike path on the north side of Law Park.



**APPENDIX B
JOHN NOLEN DRIVE
AND LAW PARK**

**SOUTH BLAIR STREET/JOHN NOLEN DRIVE/WILSON
STREET/WILLIAMSON STREET INTERSECTION**

**PHASE 1 HAZARDOUS MATERIALS ASSESSMENT
SITE PHOTOGRAPHS**

WISDOT PROJECT I.D. NO. 5400-00-02



Date: February 4, 2020

Time: AM

Description:
East end of Parcel

Utility pads and boxes near landscaped area near Machinery Row Complex.



Date: February 4, 2020

Time: AM

Description:

Utility pads, switch boxes, and road/median island south of intersection of Blair Street and Williamson Street.



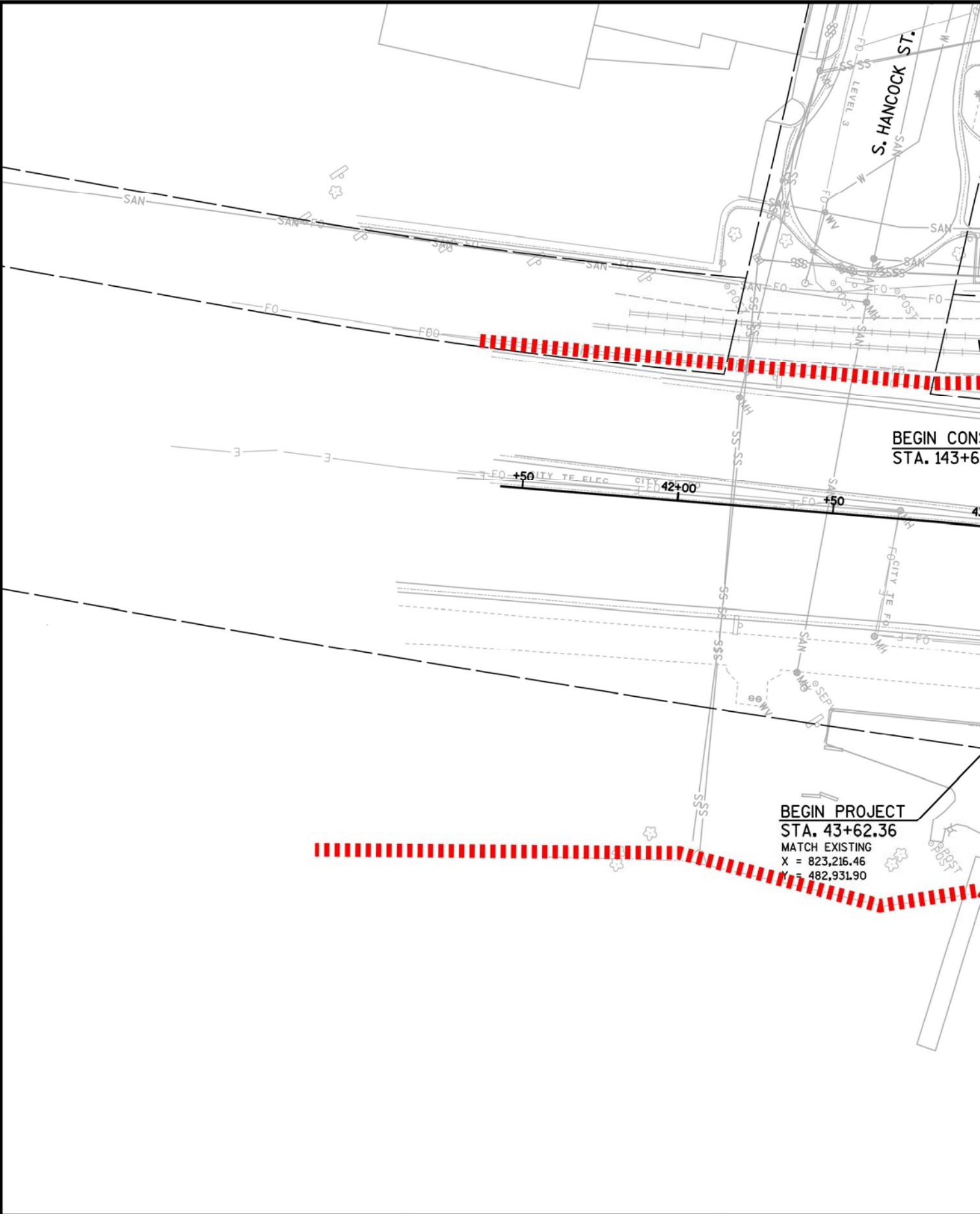
**APPENDIX B
JOHN NOLEN DRIVE
AND LAW PARK**

**SOUTH BLAIR STREET/JOHN NOLEN DRIVE/WILSON
STREET/WILLIAMSON STREET INTERSECTION

PHASE 1 HAZARDOUS MATERIALS ASSESSMENT
SITE PHOTOGRAPHS
WISDOT PROJECT I.D. NO. 5400-00-02**



5



BEGIN CON
STA. 143+6

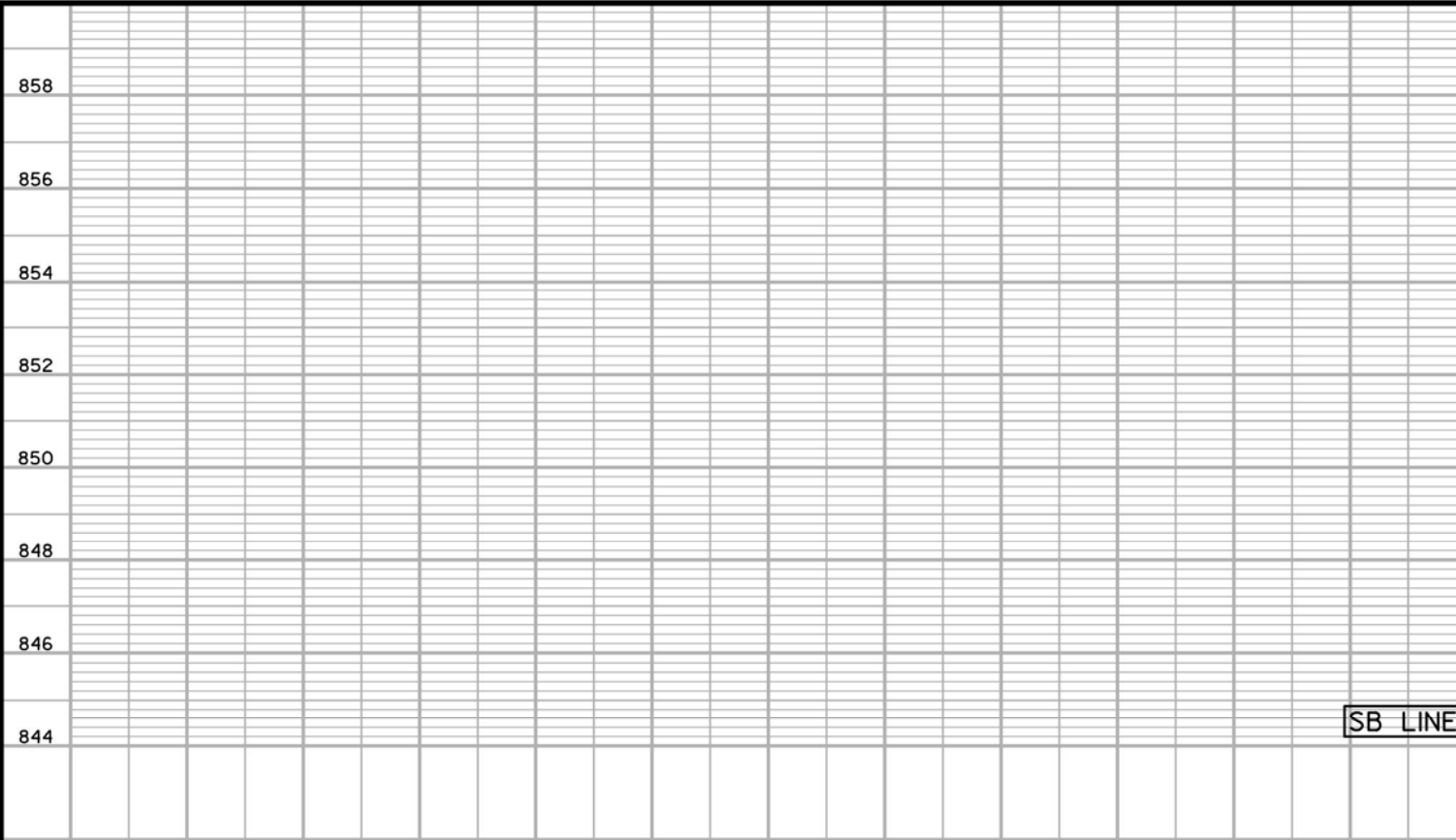
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Y = 482,931.90

PROJECT NO: 5400-00-72

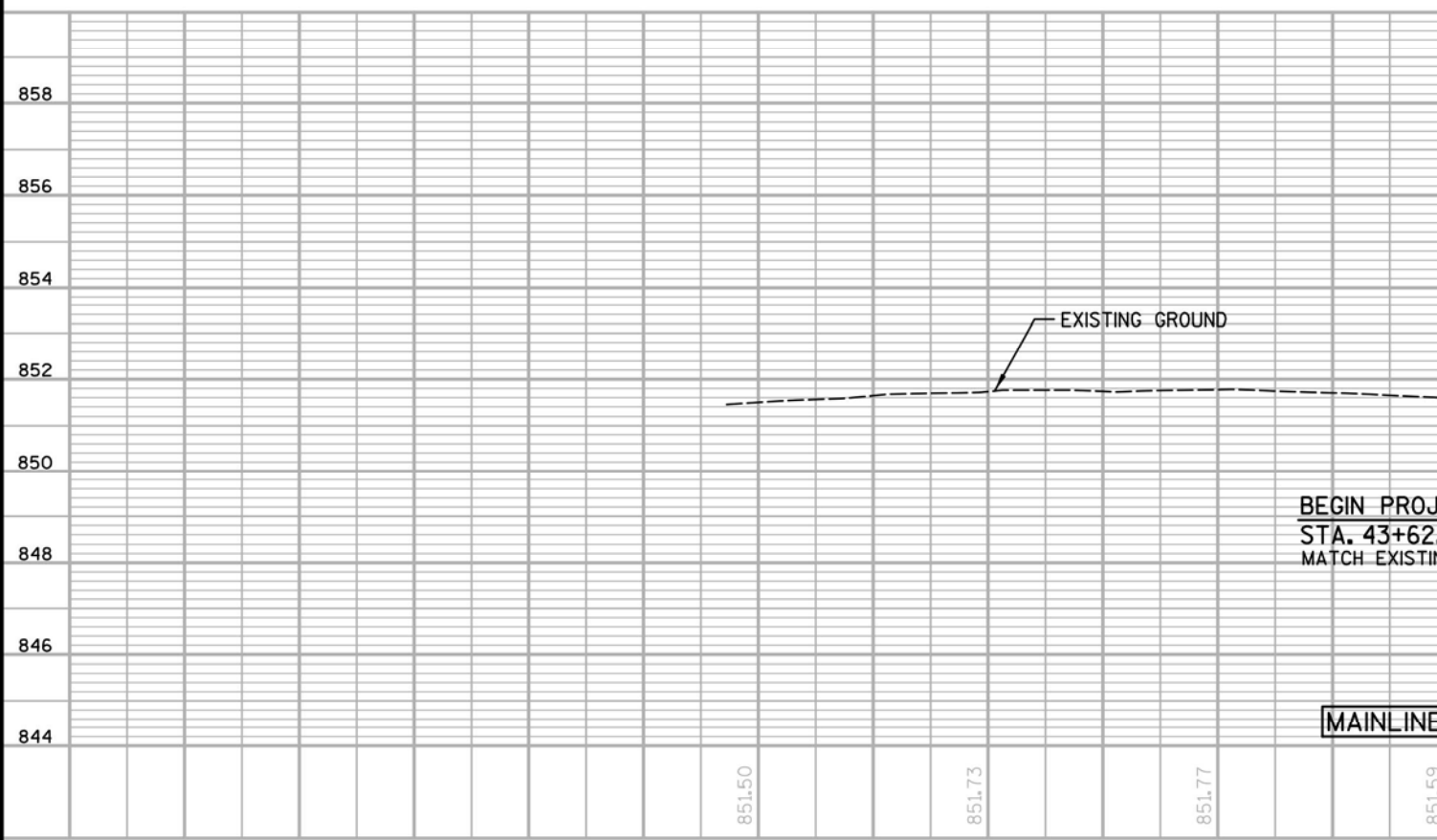
HWY: USH 151

COUNTY: DANE

5



SB LINE



EXISTING GROUND

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STA. 43+62.00
MATCH EXISTING

MAINLINE

851.50

851.73

851.77

851.59

42+00

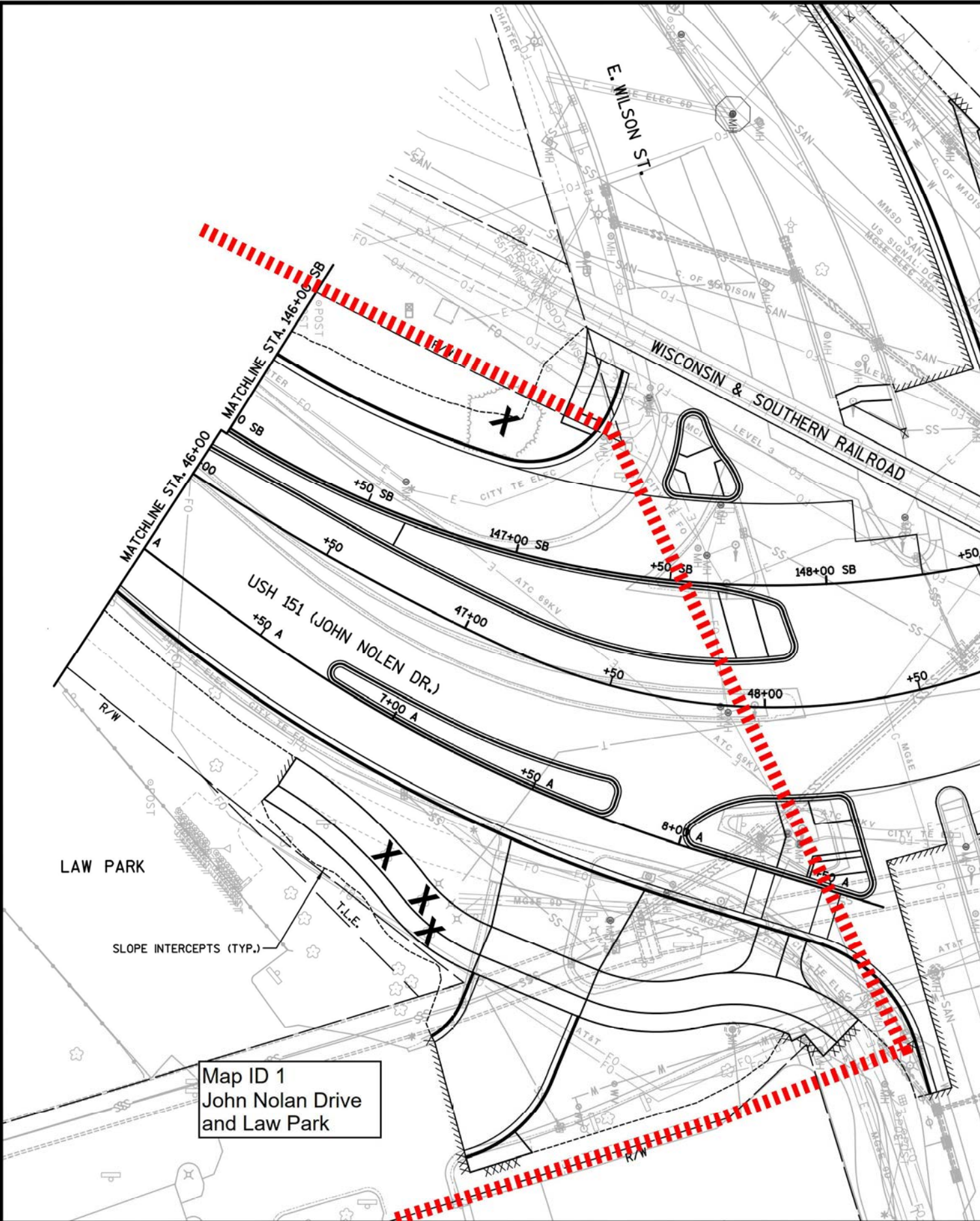
43+00

PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

5



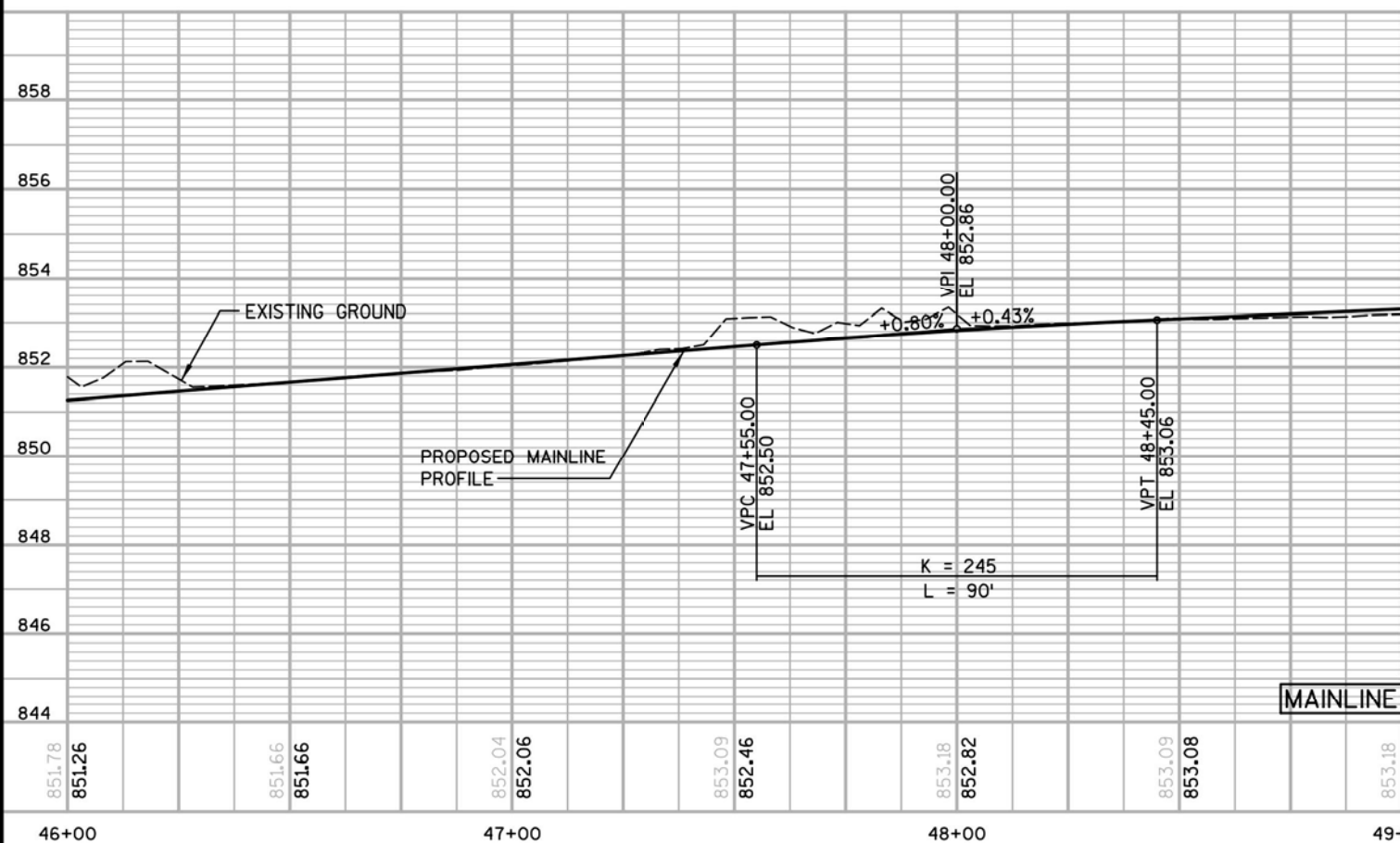
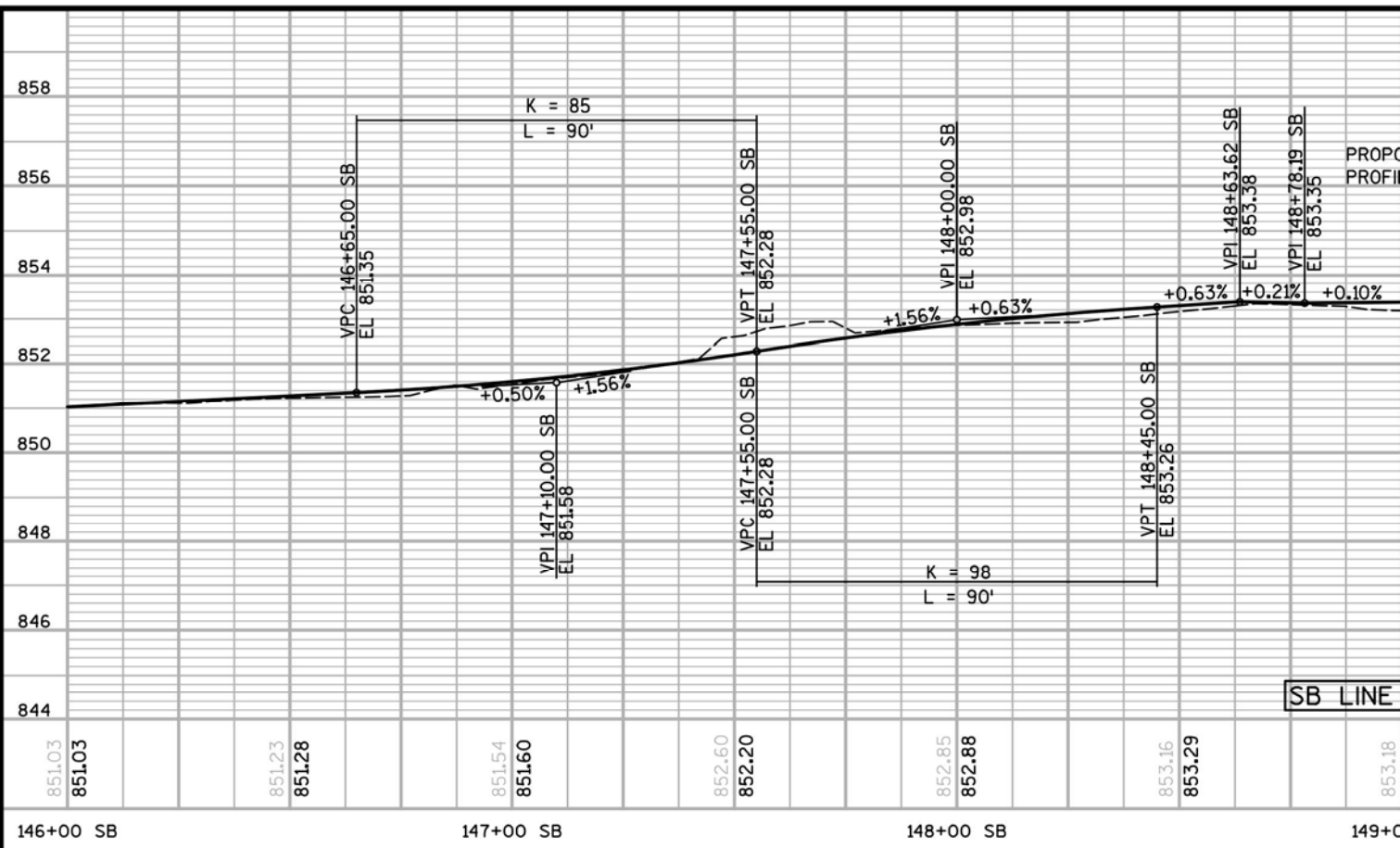
Map ID 1
 John Nolan Drive
 and Law Park

PROJECT NO: 5400-00-72

HWY: USH 151

COUNTY: DANE

5



PROJECT NO: 5400-00-72 | HWY: USH 151 | COUNTY: DANE

Wisconsin Department of Natural Resources

Environmental Cleanup & Brownfields Redevelopment

BRRTS on the Web

Click the Location Name below to view the Location Details page for this Activity. Other Activities, if present, may be viewed from that page.

[Basic Search](#) >> 03-13-002205 Activity Details

03-13-002205 JOHN NOLEN DR CORRIDOR						
CLOSED LUST						
Location Name (Click Location Name to View Location Details)				County	WDNR Region	
JOHN NOLEN DR CORRIDOR				DANE	STH CNTRL	
Address				Municipality		
ADJACENT TO LAW PARK				MADISON		
PLSS Description			Latitude	Google Maps	RR Sites Map	
SE 1/4 of the SW 1/4 of Sec 13, T07N, R09E			43.0746976	CLICK TO VIEW	CLICK TO VIEW	
Additional Location Description			Longitude	Facility ID	Size (Acres)	
			-89.3767509	NONE	UNKNOWN	
Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action	
DNR RR			1994-01-10	1994-03-11	1994-03-11	
Characteristics						
PECFA Tracked?	EPA NPL Site?	Eligible for PECFA Funds?	Above Ground Storage Tank?	Drycleaner?	Co-Contamination?	Continuing Obligations Apply?
No	No	No	No	No	No	No
Actions						
Place Cursor Over Action Code to View Description						
Date	Code	Name	Comment			
1994-01-10	1	Notification				
1994-01-10	2	RP Letter Sent	RP LETTER			
1994-03-11	11	Activity Closed				
Other Documents and Images						
Not Linked to Actions Above						
Click File Name to Download or Open						
The file below contains permanent records related to the site available at the time the paper Site File was scanned and uploaded. Records withheld by the department due to confidentiality, attorney-client privilege, and other sensitive records, as well as lab data, may not be included. Additional records associated with the site may or may not be accessible through an open records request.						
Site File	0313002205_SITE_FILE.pdf				pdf	
Impacts						
Type	Comment					
Soil Contamination	SOIL CONTAMINATION					
Who						
Role	Name/Address					
Responsible Party	MADISON CITY OF 215 MARTIN LUTHER KING BLVD MADISON, WI 53701					
For Additional Information, Please Contact						
WENDY WEIHEMULLER 608-275-3212 wendy.weihemuller@wisconsin.gov						

DRAFT-(02.25.20)

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the [disclaimers page](#) for more information. We welcome your [Feedback](#).

The Official Internet site for the Wisconsin Department of Natural Resources
101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608.266.2621 

Release 2.7.1 | 01/27/2019 | [Release Notes](#)



George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southern District Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711
TELEPHONE 608-275-3266
TELEFAX 608-275-3338

March 11, 1994

File Ref: 4440
Dane County

Mr. Larry Nelson
City of Madison Engineering Division
210 Martin Luther King, Jr., Drive
Madison, WI 53703

SUBJECT: John Nolan Drive Extension project

Dear Mr. Nelson:

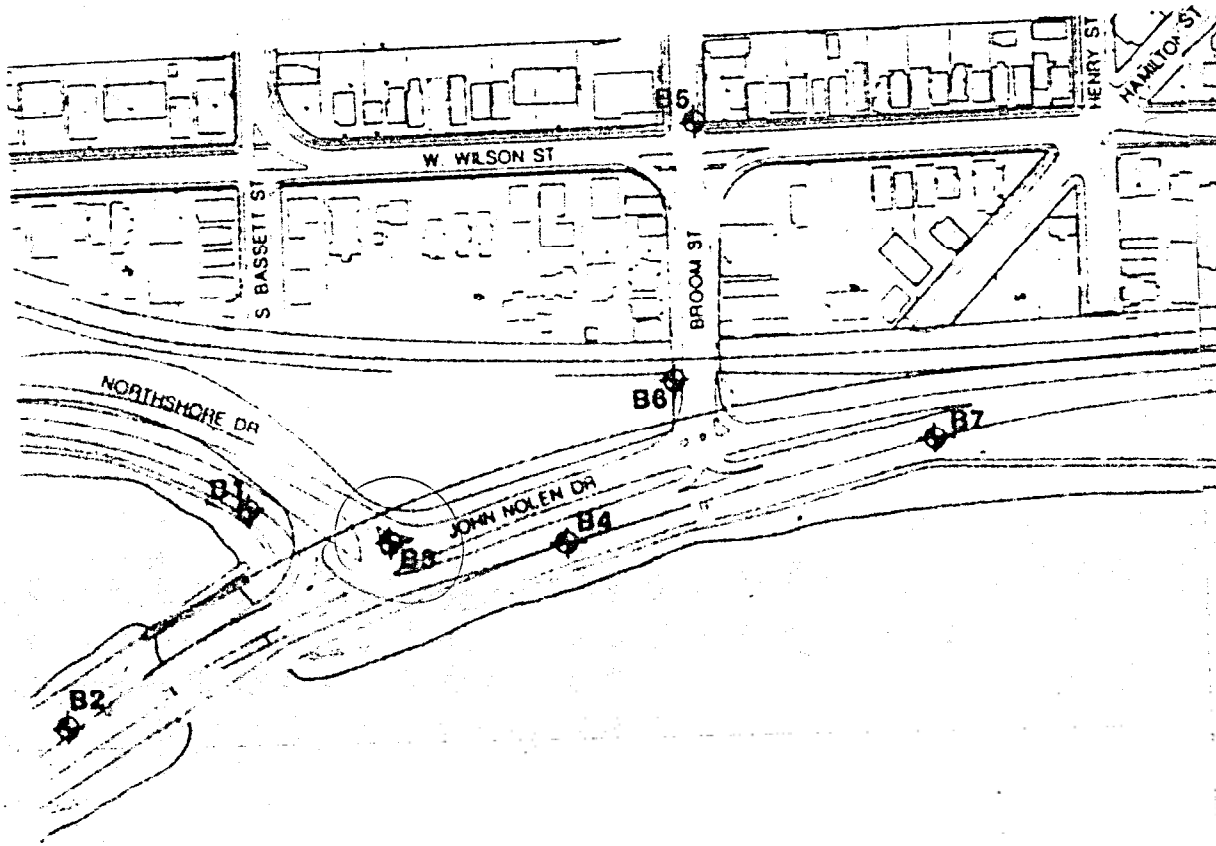
On March 8, 1994, the above named site was reviewed by the Southern District's Closure Committee. It appears, based on the information provided, that the contamination encountered in soil borings B3 and B12 is a result of fill material that was placed during the original construction of the road and/or disposed of in the old city landfill, which this roadbed is constructed on. Therefore, the Department is not requiring further action at this time. If in the future the Department receives information which demonstrates that additional work is necessary, the Department has the authority to require further action.

If you have any questions regarding this determination, I may be contacted at the telephone number below.

Sincerely,

A handwritten signature in cursive script that reads 'Kristin Pederson'.

Kristin Pederson
Hydrogeologist
Telephone: (608) 275-3200

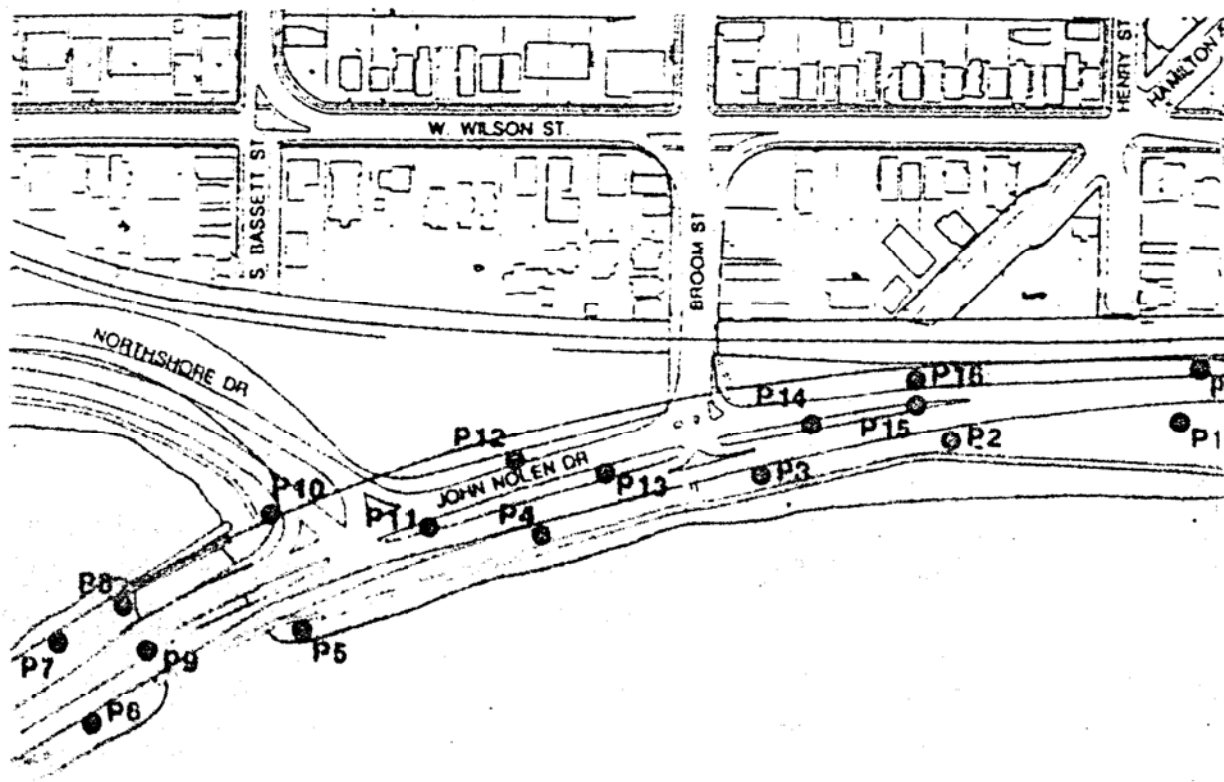


LEGEND

◆ B1

SOIL BORING LOCATION AND NUMBER

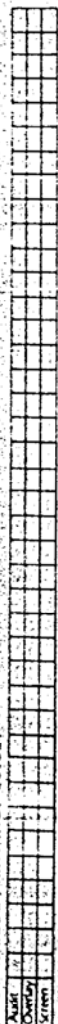
TER BLUE PRINT INC. 501524

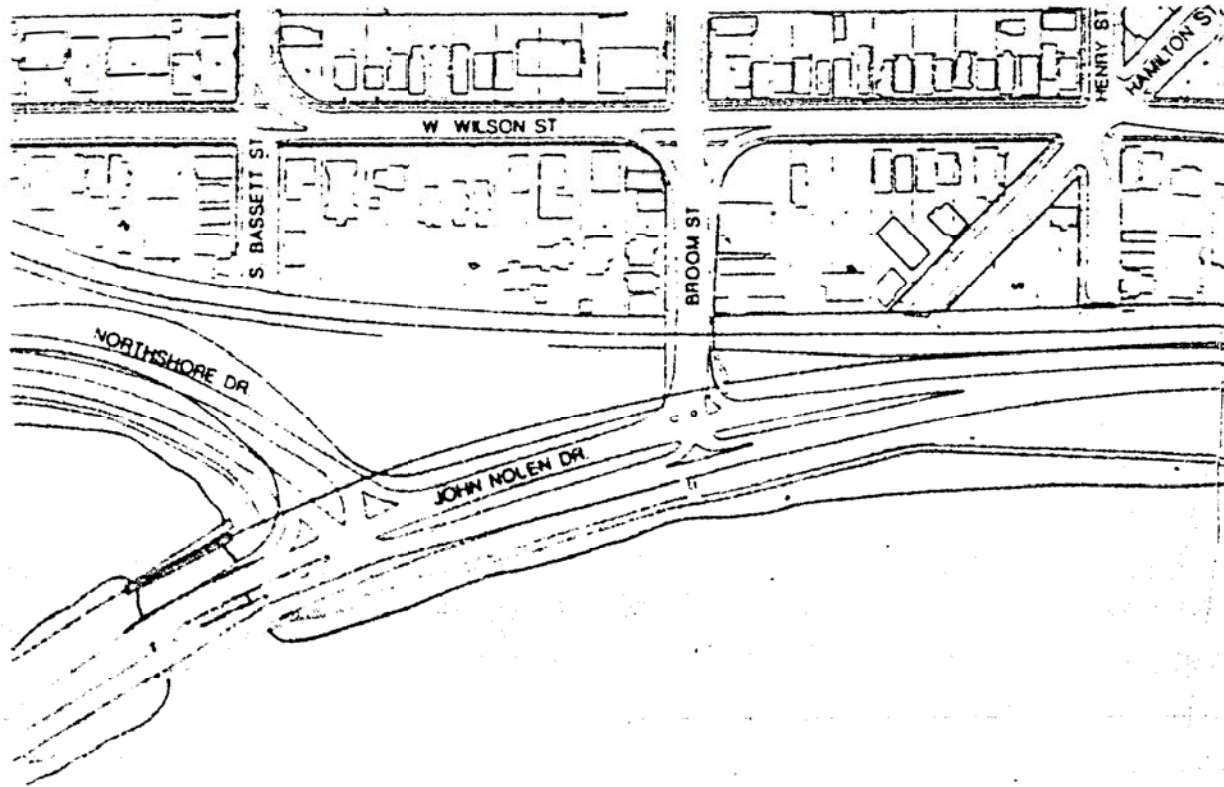


LEGEND

- P1 SOIL GAS SAMPLE LOCATION AND NUMBER

MASTER BLUE PRINT INC. 501524





LEGEND

⊙ PROBE #1 METHANE PROBE LOCATION AND NUMBER

MASTER BLUE PRINT, INC. 501824

Auto	
Chem	
Screen	

WARZYN



LOG OF TEST BORING

Project John Nolen Drive Reconstruction
 Location Madison, Wisconsin

Boring No. B10
 Surface Elevation 4.6
 Job No. 15324.00
 Sheet 1 of 1

ONE SCIENCE COURT • P.O. BOX 5385, MADISON, WIS. 53705 • TEL. (608) 273-0440

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES			
No.	TYPE	Rec (in.)	Moist	N		Depth	qu (qa) (tsf)	H _{Nu}	Explosive Gas
					8" Base Course (SP/GP) (A-1)				
1		18	M	54	FILL: Mixed Brown Sand and Gravel and Organic Clay (Topsoil)		0.0		
2		10	M	7	FILL: Loose to Medium Dense, Brown to Black Fine to Coarse Sand, Some Gravel (SP) (A-3), Some Miscellaneous Materials including Possible Cinders, Some Gray Mottled Lean Clay Seams		18.0		
3		6	M	2			0.0		
4		6	W	10			0.0		
5		18	M	39	Very Stiff to Hard, Gray Clayey SILT, Trace Fine Sand (ML) (A-4)		0.0		
					End of Boring at 15'				

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling 8.0 Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start 2/28/91 End 2/28/91
 Driller ETI Chief KM Rig D. _____
 Logger KM Editor CAF
 Drill Method 4 1/4" I.D. HSA 0-13.5'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

WARZYN



LOG OF TEST BORING

Project John Nolen Drive Reconstruction

Boring No. B11

Surface Elevation 5.3

Location Madison, Wisconsin

Job No. 15324.00

Sheet 1 of 1

ONE SCIENCE COURT • P.O. BOX 5385, MADISON, WIS. 53705 • TEL. (608) 273-0440

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES			
No.	TYPE	Rec (in.)	Moist	N	Depth		qu (qa) (tsf)	H _{Nu}	Explosive Gas	Field sive VOC Water
1		12	M		8	FILL: Silty Clay, Little Sand and Gravel (CL) (A-6); Miscellaneous Material including Possible Fly Ash		0.0		
2		6	M		6	FILL: Loose to Medium Dense, Gray to Black Sand and Gravel (A-1); Possible Fly-Ash at 2.5' and from 3.5' to 5.5', Some Miscellaneous Material		0.0		
3		12	W		14			0.0		
4		14	W		31	Grayish Brown Fine to Medium SAND, Little Silt (SP-SM) (A-3) Dense, Brown to Gray Mottled Silty SAND, Trace Gravel (SM) (A-2-4)		0.0		
5		10	M		58			0.0		
End of Boring at 15'										
* Based upon observation of sample. Actual water level could be higher.										

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ∇ Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____
 Depth to Cavity _____

Start 2/28/91 End 2/28/91
 Driller ETI Chief MS Rig D.
 Logger MS Editor CAF
 Drill Method 4 1/4" I.D. HSA 0-13.5'

The stratification lines represent the approximate boundary between soil

WARZYN



LOG OF TEST BORING

Project John Nolen Drive Reconstruction

Boring No. B12

Surface Elevation 53

Location Madison, Wisconsin

Job No. 15324.00

Sheet 1 of 1

ONE SCIENCE COURT • P.O. BOX 5385, MADISON, WIS. 53705 • TEL.(608) 273-0440

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES			
No.	TYPE	Rec (in.)	Moist	N		Depth	qu (qa) (tsf)	H _{Nu}	Explo- sive Gas
					1" Asphalt			**	
1		14	M	41	Base Course (A-1)				
2		0	M	15	FILL: Medium Dense, Dark Gray to Black Fine to Coarse Sand, Some Gravel and Silt (SM) (A-2-4), Possible Cinders, Some Other Miscellaneous Material (i.e., Wood)				
					Sample 1: P200 = 17.4%				
					Note: Fuel like odor and sheen at 6' to 7.5'				
3		10	M	16					
4		10	W	18	FILL: Medium Dense, Grayish Brown Silty SAND (SM) (A-2-4)				
					▽* 10				
5		12	W	50	Dense, Light Brown to Yellow Silty SAND (SM) (A-2-4)				
					15				
					End of Boring at 15'				
					* Based upon observation of sample. Actual water level could be higher.				
					** Rain prohibited use of PID				
					20				
					25				

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start 3/1/91 End 3/1/91
 Driller ETI Chief MS Rig D-
 Logger MS Editor CAF
 Drill Method 4 1/4" I.D. HSA 0-13.5'

The stratification lines represent the approximate boundary between soil

ARZYN

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
METALS

WI LAB CERTIFICATION ID#: 113138300

Project: John Nolen Drive Expansion

Project #: 15324.00

Location: Madison, Wisconsin

Date Sampled: 3/1/91

Lab No. 2382-005
Sample Description B12 - 7'

<u>Parameter</u>	<u>Analytical Result (mg/L)</u>	<u>Matrix Spike Recovery (%)</u>	<u>Final TCLP(1) Result (mg/L)</u>	<u>Regulatory Limits</u>
Arsenic	<0.10	114	<0.09	5.0
Barium	0.51	94	0.54	100.0
Cadmium	<0.005	104	<0.005	1.0
Chromium, Total	<0.01	92	<0.01	5.0
Lead	0.32	104	0.31	5.0
Mercury	<0.002	99	<0.002	0.2
Selenium	<0.50	112	<0.45	1.0
Silver	<0.01	97	<0.01	5.0

Classification: The Regulatory Limits for Sample 2382-005 were not exceeded for the parameters analyzed.

Method Reference: SW-846, "Methods for Chemical Analysis of Water and Wastes", March, 1984. (Metal Analyses)

Method 1311: Toxicity Characteristic Leaching Procedure (TCLP). Final rule published by the USEPA in the March 29, 1990 Federal Register.

(1) Final TCLP results have been adjusted to reflect the matrix spike bias.

VARZYN

Total Petroleum Hydrocarbons
WI Lab Certification ID#: 113138300
Project: John Nolen Drive Expansion
Location: Madison, Wisconsin
C#: 15324.00

Page 4 Of 5
Ck'd: *sw* App'd: *GLE*
Date Issued: 3/21/91

Note: The analysis of samples for total petroleum hydrocarbons is a screening procedure. Analytical results are compared and quantified against known reference standard mixtures. Due to variables such as differences in petroleum product formulations, weathering and other environmental factors, positive identification as one of the target hydrocarbon mixtures may not be possible. The values reported are tentatively identified with estimated concentrations.

Compound =====	Reportable Detection Limit (mg/kg as rec'd) =====	2382-005 B12 - 7' 3/1/91 =====
Total Hydrocarbon as:		
Gasoline	125 (1)	X
Kerosene	125 (1)	X
#2 Fuel Oil	125 (1)	X(2)

Soil Gas Results

Locations are shown on Figure 3

<u>Location</u>	<u>HNu Reading (ppm)</u>	<u>Location</u>	<u>HNu Reading (ppm)</u>
P1	0	P26	0
P2	0	P27	0
P3	0	P28	0
P4	0	P29	0
P5	0	P30	0
P6	0	P31	0
P7	0	P32	0
P8	0	P33	0
P9	0	P34	0
P10	0	P35	0
P11	0	P36	0
P12	0	P37	0
P13	0	P38	0
P14	0	P39	0
P15	0	P40	0
P16	0	P41	0
P17	0	P42	0
P18	0	P43	0
P19	0	P44	0
P20	0	P45	0
P21	0	P46	0
P22	0	P47	0
P23	0	P48	0
P24	0	P49	0
P25	0	P50	0

TD/kml/
[mad-400-82a]
15324.00

TABLE 1

Summary of Soil Analytical Results: Polynuclear Aromatic Hydrocarbons
 John Nolen Drive Expansion
 Madison, Wisconsin

<u>Compound</u>	<u>Reporting Limits</u>		<u>Reporting Limits</u>		<u>Urban Soil Background</u>
	<u>SB2</u>	<u>SB2</u>	<u>SB4</u>	<u>SB4</u>	<u>Range</u>
Naphthalene	4.1	X	0.33	X	
Acenaphthylene	4.1	X	0.33	X	
Acenaphthene	4.1	X	0.33	X	
Fluorene	4.1	X	0.33	X	
Phenanthrene	4.1	14	0.33	X	
Anthracene	4.1	X	0.33	X	
Fluoranthene	4.1	20	0.33	0.48	0.2-166
Pyrene	4.1	19	0.33	0.49	0.145-147
Chrysene	4.1	9.2	0.33	X	0.251-64
Benz(a)anthracene	4.1	11	0.33	X	0.169-59
Benzo(b)fluoranthene	4.1	10	0.33	X	15-62
Benzo(k)fluoranthene	4.1	X	0.33	X	0.3-26
Benzo(a)pyrene	4.1	7.4	0.33	X	0.165-22
Ideno(1,2,3-cd)pyrene	4.1	4.5	0.33	X	8-61
Dibenz(a,h)anthracene	4.1	X	0.33	X	0.350
Benzo(g,h,i)perylene	4.1	5.1	0.33	X	0.9-47

NOTES:

- 1) X = Analyzed, but not detected.
- 2) Values expressed in milligrams per kilogram (mg/kg).
- 3) Depth of sample (feet below ground surface):
 SB2= 5-7 SB4= 7-9
- 4) Background values are from:
 Butler, J.D., Butterworth, V., Kellow, S.C., and Robinson, H.G. 1984.
 Some observations on the polynuclear aromatic hydrocarbon (PAH) content of surface
 soils in urban areas. The Science of the Total Environment. 33:75-85.
 Edwards, N.T. 1983. Polycyclic aromatic hydrocarbons (PAHs) in the terrestrial
 environment--a review. J. Environ. Qual. 12:427-441.

DRAFT-(02.25.20)

HANCOCK ST.

E. WILSON ST.

CHICAGO & NORTHWESTERN RR

SOO LINE RR

JOHN NOLEN DR.

LAW PARK

LAKE MONONA

Management Review
Other

Technical Review
Project Manager JFK 4.9.92

Graphic Standards DLF 4.9.92
Lead Professional

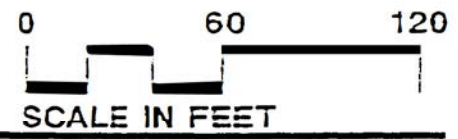
QUALITY CONTROL

LEGEND

- SB01 SOIL BORING LOCATION AND NUMBER
- TW01 TEMPORARY WELL LOCATION AND NUMBER

NOTES

- BASE MAP DEVELOPED FROM CITY OF MADISON SURVEY MAP, PROVIDED BY CITY OF MADISON ENGINEERING DIVISION, UNDATED, AND SITE OBSERVATIONS BY WARZYN INC. ON FEBRUARY 20, 1992.



WARZYN INC. N68995

Developed By: JFK Drawn By: DLF

Approved By: Jerry Kelly Date: 4-9-92

Reference: _____

Revisions: _____

BORING LOCATION MAP

PHASE III INVESTIGATION
JOHN NOLEN DRIVE RECONSTRUCTION
MADISON, WISCONSIN

Drawing Number
10001401 A2

Facility/Project Name JOHN NOLEN DR. CORRIDDOR	License/Permit/Monitoring Number 10001401	Boring Number TW01
--	---	------------------------------

Boring Drilled By (Firm name and name of crew chief) Environmental and Foundation Drilling-L. McCauley	Date Drilling Started 1/20/92	Date Drilling Completed 1/20/92	Drilling Method 4 1/4" I.D. BSA
--	---	---	---

DNR Facility Well No.	WI Unique Well No.	Common Well Name TW01	Final Static Water Level 6.45 Feet MSL	Surface Elevation ____ Feet MSL	Borehole Diameter ____ inches
-----------------------	--------------------	---------------------------------	--	------------------------------------	----------------------------------

Boring Location State Plane _____ N, _____ E S/C/N Lat _____ _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____ E/W Long _____	Local Grid Location (if applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W ____ Feet _____ Feet
---	---

County Dane	DNR County Code 13	Civil Town/City/or Village Madison
-----------------------	------------------------------	--

Sample Number	Length Recovered (In.)	Blow Counts	Depth In Ft	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						ROD/Comments
								PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	8	8		2" Blacktop Brown Silty CLAY with Trace Gravel (Contained Some Ash and Cinders)	Fill CL			0.3		M				SS
2	15	4		Black Fine to Coarse Silty SAND with Trace Clay and Gravel (Contained Cinders and Wood Fibers)	SM			15		M				SS
3	3	3	5					15		M				SS
4				Black Fine to Coarse SAND (Contained Rubber, Cinders and Wood Fibers)	SP									
			10	Gray Fine to Coarse Silty SAND	SM									
			10.0	End of Boring at 10.0 ft										
			15	Notes: - Noticable Diesel Odor from 3-10' - Temporary Well Installed at this Location										

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm WARZYN INC.
---------------	----------------------------

Facility/Project Name: **JOHN NOLEN DR. CORRIDDOR** License/Permit/Monitoring Number: **10001401** Boring Number: **SB01**

Boring Drilled By (Firm name and name of crew chief): **Environmental and Foundation Drilling-L. McCauley** Date Drilling Started: **1/20/92** Date Drilling Completed: **1/20/92** Drilling Method: **2 1/4" I.D. BSA**

DNR Facility Well No. _____ WI Unique Well No. _____ Common Well Name: **SB01** Final Static Water Level: _____ Feet MSL Surface Elevation: _____ Feet MSL Borehole Diameter: _____ inches

Boring Location: State Plane _____ N, _____ E S/C/N Lat _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____ E/W Long _____ Local Grid Location (if applicable): _____ Feet N _____ Feet E _____ Feet S _____ Feet W

County: **Dane** DNR County Code: **13** Civil Town/City/or Village: **Madison**

Sample Number	Length Recovered (in.)	Blow Counts	Depth in Ft	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	20	16	0-5	Asphalt Brown Silty Gravel Black Fine to Coarse Silty SAND with Trace Gravel (Contained Ash and Wood)	Fill SM			0.0		D				SS
2	14	14	5-10	Brown-Gray Sandy SILT with Trace Gravel	ML			0.0		D				SS
3	10	5	10-15	Gray Fine to Coarse Silty SAND with Trace Gravel (Red Mottling Present)	SM			0.0		M				SS
4	0	7	15-20	Gray-Black Fine SAND	SW			0.0		S				SS
				End of Boring at 7.0 ft Split-Spoon Sample to 9.0 ft										
				Notes: - No recovery in SS #1 from 7-9 ft so a second split-spoon was pushed to obtain enough sample for analysis. 6 8 8 16 N=16 Recovery=10"										

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *[Signature]* MDP /MDP Firm: **WARZYN INC.**

Facility/Project Name JOHN NOLEN DR. CORRIDDOR		License/Permit/Monitoring Number 10001401	Boring Number SB02
Boring Drilled By (Firm name and name of crew chief) Environmental and Foundation Drilling-L. McCauley		Date Drilling Started 1/20/92	Date Drilling Completed 1/20/92
DNR Facility Well No. _____		WI Unique Well No. _____	Common Well Name SB02
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Boring Location State Plane _____ N, _____ E S/C/N Lat _____		Local Grid Location (if applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N. R _____ E/W Long _____		Feet _____ Feet _____	
County Dane	DNR County Code 13	Civil Town/City/or Village Madison	

Sample Number	Length Recovered (In.)	Blow Counts	Depth In Ft	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties				ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	
1	18	34		Asphalt Light Brown Crushed Dolomite	Fill GM			0.0		D			SS
2	10	5		Gray-Black Silty Fine SAND with Trace Gravel	SM			0.0		M			SS
3	14	7	5	Gray-Black Fine to Coarse SAND with Trace Gravel	SP			0.0		M			SS
4	15	12		Light Brown Fine to Coarse SAND	SP			0.0		S			SS
				End of Boring at 7.0 ft Split-Spoon Sample to 9.0 ft									

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *W. M. P.* MDP /MDP Firm **WARZYN INC.**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Facility/Project Name JOHN NOLEN DR. CORRIDDOR		License/Permit/Monitoring Number 10001401		Boring Number SB03	
Boring Drilled By (Firm name and name of crew chief) Environmental and Foundation Drilling-L. McCauley			Date Drilling Started 1/20/92	Date Drilling Completed 1/20/92	Drilling Method 2 1/4" I.D. ESA
DNR Facility Well No.	WI-Unique Well No.	Common Well Name SB03	Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Boring Location State Plane _____ N, _____ E S/C/N Lat _____ _____ 1/4 of _____ 1/4 of Section _____ T _____ N, R _____ E/W Long _____			Local Grid Location (if applicable) Feet <input type="checkbox"/> N _____ <input type="checkbox"/> E Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W _____		
County Dane		DNR County Code 13	Civil Town/City/or Village Madison		

Sample Number	Length Recovered (In.)	Blow Counts	Depth In Ft	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1	14	26		Asphalt Light Brown Crushed DOLOMITE	Fill GM			0.0		D					SS
2	13	13		Gray-Dark Brown Fine to Coarse Silty SAND with Trace Gravel	SM			0.0		M					SS
3	0	13	5	Brown-Gray Silty CLAY with Trace Gravel	CL			0.0		M					SS
4	20	8		Gray-Black Fine to Coarse Silty SAND with Trace Gravel	SM			0.0		M					SS
				Gray-Brown Fine to Coarse Silty SAND	SM			0.0		S					SS
				Gray Stiff SILT	OL										
			10	End of Boring at 7.0 ft Split-Spoon Sample to 9.0 ft											

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature MDP /MDP Firm **WARZYN INC.**

State of Wisconsin
Department of Natural Resources

Route To:
 Solid Waste
 Emergency Response
 Wastewater
 Haz. Waste
 Underground Tanks
 Water Resources
 Other

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Facility/Project Name JOHN NOLEN DR. CORRIDDOR		License/Permit/Monitoring Number 10001401	Boring Number SB04
Boring Drilled By (Firm name and name of crew chief) Environmental and Foundation Drilling-L. McCauley		Date Drilling Started 1/20/92	Date Drilling Completed 1/20/92
Drilling Method 2 1/4" I.D. ESA			
DNR Facility Well No.	WI Unique Well No.	Common Well Name SB04	Final Static Water Level ____ Feet MSL
Boring Location State Plane _____ N, _____ E S/C/N		Surface Elevation ____ Feet MSL	Borehole Diameter ____ inches
____ 1/4 of ____ 1/4 of Section _____, T _____ N. R _____ E/W		Local Grid Location (if applicable) ____ Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Dane	DNR County Code 13	Civil Town/City/or Village Madison	

Sample Number	Length Recovered (in.)	Blow Counts	Depth in Ft	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1	9	25		Asphalt	Fill										
				Light Brown Crushed DOLOMITE	Fill			0.0		D					SS
2	3	1		Black Fine to Coarse Sandy SILT with Trace Gravel (Light Brown Mottling Present) (Contained Paint and Wood Fibers)	GM ML Fill			0.0		M					SS
3	3	11	5					0.0		M					SS
4	14	11		Light Brown Crushed DOLOMITE with Trace Black Sand	GM			0.0		M					SS
				Gray-Brown Fine Silty SAND (SM)	SM										
			10	End of Boring at 7.0 ft											
			15	Split-Spoon Sample to 9.0 ft											
			20												
			25												

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* MDP /MDP Firm **WARZYN INC.**

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Facility/Project Name **JOHN NOLEN DR. CORRIDDOR** License/Permit/Monitoring Number **10001401** Boring Number **SB05**

Boring Drilled By (Firm name and name of crew chief) **Environmental and Foundation Drilling-L. McCauley** Date Drilling Started **1/20/92** Date Drilling Completed **1/20/92** Drilling Method **2 1/4" I.D. ESA**

DNR Facility Well No. _____ WI Unique Well No. _____ Common Well Name **SB05** Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter _____ inches

Boring Location State Plane _____ N, _____ E S/C/N _____ Lat _____ Local Grid Location (if applicable) _____ Feet N _____ Feet E _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____ E/W Long _____ Feet S _____ Feet W

County **Dane** DNR County Code **13** Civil Town/City/or Village **Madison**

Sample Number	Length Recovered (in.)	Blow Counts	Depth in Ft	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
1	10	7		Asphalt Light Brown Crushed DOLOMITE Black SILT with Cinders and Ash	Fill GM OL			0.0		D				SS
2	3	1		Gray-Black Fine to Coarse Silty SAND with Trace Gravel (Contained Glass and Wire)	SM			0.0		M				SS
3	8	5	5					0.0		M				SS
4	14	17		Brown-Gray Fine to Coarse SAND with Trace Gravel	SP			0.0		S				SS
			10	End of Boring at 7.0 ft Split-Spoon Sample to 9.0 ft										

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* MDP /MDP Firm **WARZYN INC.**

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LABORATORY RESULTS INORGANIC REPORT

Project: John Nolen Dr. Corridor

Project #: 10001401

Location: Madison, Wisconsin

Date Sampled: 2/20/92

<u>Sample No.</u>	<u>Sample Description</u>	<u>Solids, Total</u>	<u>Units</u>
4142-003	SB-2	75.3	%
4142-004	SB-4	77.8	%
4142-005	SB-3	82.9	%
4142-006	SB-1	80.3	%
4142-007	SB-5	69.0	%

Method Reference: EPA-600, "Methods for Chemical Analysis of Water And Wastes", March 1984.

	<u>Reporting Limits</u>	<u>Date Analyzed</u>
Method 160.3: Solids, Total	0.1 %	2/24/92

Ck'd: *smw* App'd: *GLB*
Date Issued: 3/20/92



LABORATORY RESULTS
 PETROLEUM VOLATILE ORGANIC REPORT

Project: John Nolen Dr. Corridor

Project #: 10001401

Location: Madison, Wisconsin

Date Sampled: 2/20/92

<u>Compound</u>	<u>Reporting Limits (ug/L)</u>	<u>4142-001 TW-1</u>	<u>4142-002 Trip Blank</u>
Benzene	1.0	<1.0	<1.0
Methyl tert-butyl ether	1.0	<1.0	<1.0
Ethylbenzene	1.0	<1.0	<1.0
Toluene	1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	1.0	<1.0	<1.0
m- and p-Xylene	2.0	<2.0	<2.0
o-Xylene	1.0	<1.0	<1.0

Date Analyzed

3/3 & 3/4/92

3/3, 3/4 & 3/6/92

Method Reference: SW846, "Test Methods for Evaluating Solid Waste", November 1986, Method 8020.

Ch'd: [Signature] App'd: [Signature]
 Date Issued: 3/20/92



LABORATORY RESULTS
 PETROLEUM VOLATILE ORGANIC REPORT

Project: John Nolen Dr. Corridor

Project #: 10001401

Location: Madison, Wisconsin

Date Sampled: 2/20/92

<u>Compound</u>	<u>Reporting Limits (mg/kg)</u>	<u>4142-003 SB-2</u>	<u>4142-004 SB-4</u>	<u>4142-005 SB-3</u>	<u>4142-006 SB-1</u>	<u>4142-007 SB-5</u>
Benzene	0.0050	<0.0066	<0.0064	<0.0060	<0.0062	<0.0072
Methyl tert-butyl ether	0.0050	<0.0066	<0.0064	<0.0060	<0.0062	<0.0072
Ethylbenzene	0.0050	<0.0066	<0.0064	<0.0060	<0.0062	<0.0072
Toluene	0.0050	<0.0066	<0.0064	<0.0060	<0.0062	<0.0072
1,2,4-Trimethylbenzene	0.0050	<0.0066	<0.0064	<0.0060	<0.0062	<0.0072
1,3,5-Trimethylbenzene	0.0050	<0.0066	<0.0064	<0.0060	<0.0062	<0.0072
m- and p-Xylene	0.010	<0.013	<0.013	<0.012	<0.012	<0.014
o-Xylene	0.0050	<0.0066	<0.0064	<0.0060	<0.0062	<0.0072
Date Analyzed		3/3/92	3/3/92	3/3/92	3/3/92	3/3/92

Results are reported on a dry weight basis.

Method Reference: SW846, "Test Methods for Evaluating Solid Waste", November 1986, Method 8020.

Ck'd: *JWW* App'd: *CLB*
 Date Issued: 3/20/92



LABORATORY RESULTS
 TPH REPORT

Project: John Nolen Dr. Corridor

Project #: 10001401

Location: Madison, Wisconsin

Date Sampled: 2/20/92

Note: The analysis of samples for total petroleum hydrocarbons is a screening procedure. Analytical results are compared and quantified against known reference standard mixtures. Due to variables such as differences in petroleum product formulations, weathering and other environmental factors, positive identification as one of the target hydrocarbon mixtures may not be possible. The values reported are tentatively identified with estimated concentrations.

<u>Compound</u>	<u>Reporting Limits (ug/L)</u>	<u>4142-001 TW-1</u>
Total Hydrocarbon as:		
Gasoline	250	<250
Kerosene	250	<250
#2 Fuel Oil	250	<250
Date Extracted		2/25/92
Date Analyzed		2/26/92

Method Reference: ASTM, "Annual Book of ASTM Standards", 1983. Method D-3328 with modifications.

Standards Source: From local vendor

Ck'd: *[Signature]* App'd: *[Signature]*
 Date Issued: 3/20/92



LABORATORY RESULTS
 TPH REPORT

Project: John Nolen Dr. Corridor

Project #: 10001401

Location: Madison, Wisconsin

Date Sampled: 2/20/92

Note: The analysis of samples for total petroleum hydrocarbons is a screening procedure. Analytical results are compared and quantified against known reference standard mixtures. Due to variables such as differences in petroleum product formulations, weathering and other environmental factors, positive identification as one of the target hydrocarbon mixtures may not be possible. The values reported are tentatively identified with estimated concentrations.

<u>Compound</u>	<u>Reporting Limits (mg/kg)</u>	<u>4142-003 (a) SB-2</u>	<u>4142-004 (a) SB-4</u>	<u>4142-005 SB-3</u>	<u>4142-006 (a) SB-1</u>	<u>4142-007 (a) SB-5</u>
Total Hydrocarbons as:						
Gasoline	5.0	<170	<64	<6.0	<62	<72
Kerosene	5.0	<170	<64	<6.0	<62	<72
#2 Fuel Oil	5.0	<170	<64	<6.0	<62	<72
Date Extracted		2/24/92	2/24/92	2/24/92	2/24/92	2/24/92
Date Analyzed		2/25/92	2/25/92	2/25/92	2/25/92	2/25/92

(a) Elevated quantitation limit due to the concentration of non-specific hydrocarbons in the sample.

Results are reported on a dry weight basis.

Method Reference: ASTM, "Annual Book of ASTM Standards", 1983. Method D-3328 with modifications.

Standards Source: From local vendor

Ck'd: *am* App'd: *CLB*
 Date Issued: 3/20/92



**LABORATORY RESULTS
 SEMIVOLATILE ORGANIC REPORT**

Project: John Nolen Dr. Corridor

Project #: 10001401

Location: Madison, Wisconsin

Date Sampled: 2/20/92

<u>Compound</u>	<u>Reporting Limits (mg/kg)</u>	<u>4142-003 (a) SB-2</u>	<u>4142-004 SB-4</u>
Naphthalene	0.33	<4.1	<0.33
Acenaphthylene	0.33	<4.1	<0.33
Acenaphthene	0.33	<4.1	<0.33
Fluorene	0.33	<4.1	<0.33
Phenanthrene	0.33	14	<0.33
Anthracene	0.33	<4.1	<0.33
Fluoranthene	0.33	20	0.48
Pyrene	0.33	19	0.49
Chrysene	0.33	9.2	<0.33
Benz(a)anthracene	0.33	11	<0.33
Benzo(b)fluoranthene	0.33	10	<0.33
Benzo(k)fluoranthene	0.33	<4.1	<0.33
Benzo(a)pyrene	0.33	7.4	<0.33
Indeno(1,2,3-cd)pyrene	0.33	4.5	<0.33
Dibenz(a,h)anthracene	0.33	<4.1	<0.33
Benzo(g,h,i)perylene	0.33	5.1	<0.33

(a) Elevated quantitation limit necessary to overcome interference.

Results are reported on an "as received" or wet weight basis.

Method Reference: SW846, "Test Methods for Evaluating Solid Waste", November 1986, Method 8270.

Ck'd: *nmw* App'd: *dlb*
 Date Issued: 3/20/92

Wisconsin Department of Natural Resources

Environmental Cleanup & Brownfields Redevelopment

BRRTS on the Web

Click the Location Name below to view the Location Details page for this Activity. Other Activities, if present, may be viewed from that page.

< [Basic Search](#)

04-13-043686 LAKE MONONA - LAW PARK						
CLOSED SPILL						
Location Name (Click Location Name to View Location Details)				County	WDNR Region	
MADISON CTY LAW PARK LF 1941-45/MONONA TER				DANE	STH CNTRL	
Address				Municipality		
UNDER MONONA TER CONV CTR				MADISON		
PLSS Description			Latitude	Google Maps	RR Sites Map	
Additional Location Description			Longitude	Facility ID	Size (Acres)	
				113340150	UNKNOWN	
Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action	
DNR RR			1989-05-15	1989-05-17	1989-05-17	
Comments						
OLD SPILL ID: 890515-07 HISTORIC SPILL. FURTHER ACTION MAY NOT BE NECESSARY. PLEASE CONTACT DNR SPILL COORDINATOR IN SC REGION FOR FILE INFORMATION.						
Characteristics						
PECFA Tracked?	EPA NPL Site?	Eligible for PECFA Funds?	Above Ground Storage Tank?	Drycleaner?	Co-Contamination?	Continuing Obligations Apply?
No	No	No	No	No	No	No
Actions						
Place Cursor Over Action Code to View Description						
Date	Code	Name	Comment			
1989-05-15	5	Spill Reported to DNR				
1989-05-15	1	Spill Incident Occurred	Auto populated via migration process			
1989-05-17	11	Spill Closed				
Impacts						
Type			Comment			
Surface Water Contamination			MONONA BAY			
Spill Information						
Incident Date	Reported Date	Investigator	Source			
05/15/1989	05/15/1989	UNKNOWN	Public Prop/Residence (Fed/St/Cnty/City/Twn Ofcs/Bldgs/Grnd)			
Cause: UNKNOWN						
Comment: NONE						
Spiller Actions						
Action			Comment			
No Action Taken			SURFACE WATER			
Substances						
Substance		Type	Est Amt Released	Units		
Petroleum - Unknown Type (LARGE SHEEN ON MONONA BAY)		Petroleum				

Who	
Role	Name/Address
Project Manager	TED AMMAN 3911 FISH HATCHERY RD FITCHBURG,

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Spill ID Number

Y Y M M D D 0-99

Date of Incident 5-15-89	Day of Week SAT	Time of Incident 7	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	Reported By (Name) DANE City Sheriff	Telephone Number (608) 246-3338
Date Reported 5-15-89	Day of Week "	Time Reported 4	<input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.	Agency or Firm Reporting	Reported thru Div. Emergen. Gov't. <input type="checkbox"/> Yes <input type="checkbox"/> No
Substance Involved Diesel fuel		Quantity	Units	Person or Firm Responsible	
Substance Involved		Quantity	Units	Contact Name	Telephone Number ()

Physical Characteristics	Address - Street or Route
<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid Color _____	City, State, Zip Code
<input type="checkbox"/> Semisolid <input type="checkbox"/> Gas Odor _____	

Cause of Incident ?	Action Taken By Spiller
Exact Location Description (intersection, mileage, etc.) LAKE MONONA - LAW PARK	<input checked="" type="checkbox"/> No Action Taken <input type="checkbox"/> No Notification <input type="checkbox"/> Investigate
County Location DANE	<input type="checkbox"/> Containment; Type _____
DNR Dist S	<input type="checkbox"/> Cleanup; Method _____
DNR Area MAD	<input type="checkbox"/> Amount Recovered _____
Groundwaters Affected <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Potential	<input type="checkbox"/> Monitor _____
Surface Waters Affected <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Potential	<input type="checkbox"/> Contractor Hired; Name _____
Name of Surface Water LAKE MONONA	<input type="checkbox"/> Other Action _____

Date District Notified	Day of Week	Time District Notified	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
District Person Notified	Telephone Number ()	Spill Location	
Date Investigated 5-15-89	Day of Week SAT	Time Investigated 4:15	<input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.
Person Investigating LUTANN KUZMA	Telephone Number (608) 221-9299	<input type="checkbox"/> Industrial Facility/Paper Mill/Chem. Co. <input type="checkbox"/> Gas/Service Station/Garage, Auto Dealer, Repair Shop <input type="checkbox"/> Ag Coop/Facility/Cheese Factory/Creamery <input type="checkbox"/> Other Small Business (bank, grocery, insurance co., etc.) <input type="checkbox"/> Public Property (city, county, state, church, school, etc.) <input type="checkbox"/> Utility Co., Power Generating/Transfer Facility <input type="checkbox"/> Private Property (home/farm) <input type="checkbox"/> Pipeline, Terminal, Tank Farm, Oil Jobber/Wholesaler <input type="checkbox"/> Transportation Accident, Fuel Supply Tank Spill <input type="checkbox"/> Transportation Accident, Load Spill <input type="checkbox"/> Construction, Excavation, Wrecking, Quarry, Mine <input type="checkbox"/> Other <u>UNKNOWN</u>	

Action Taken By DNR	Spilled Substance Destination
<input type="checkbox"/> No Action Taken <input checked="" type="checkbox"/> Investigation <input type="checkbox"/> Supervise/Conduct Cleanup	<input type="checkbox"/> Air
<input type="checkbox"/> Spiller Required To Take Action; Type _____	<input type="checkbox"/> Soil
<input type="checkbox"/> Contractor Hired By DNR; Name _____	<input type="checkbox"/> Groundwater
<input type="checkbox"/> Amount Recovered _____	<input checked="" type="checkbox"/> Surface Water
<input type="checkbox"/> 29.29 Enforcement	<input type="checkbox"/> Storm Sewer
Other Agencies on Scene	<input type="checkbox"/> Sanitary Sewer
Local <u>DANE City Road Patrol</u>	<input type="checkbox"/> Contained/Recovered
State _____	<input type="checkbox"/> Other _____
Federal _____	Person Filing This Report (print name) Lutann Kuzma
	Signature <u>Lutann Kuzma</u>
	Date Signed 5-17-89

Additional Comments:
Large oil film on water approx 100' x 300' on
Lk Monona off Law Park very strong odor most likely
from storm sewer.

DRAFT-(02.25.20)

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Environmental Cleanup & Brownfields Redevelopment

BRRTS on the Web

Click the Location Name below to view the Location Details page for this Activity. Other Activities, if present, may be viewed from that page.

[Basic Search](#) >> 04-13-562749 Activity Details

04-13-562749 MONONA TERRACE SPILL						
CLOSED SPILL						
Location Name (Click Location Name to View Location Details)				County	WDNR Region	
MONONA TERRACE				DANE	STH CNTRL	
Address				Municipality		
1 JOHN NOLEN DR				MADISON		
PLSS Description			Latitude	Google Maps	RR Sites Map	
Additional Location Description			Longitude	Facility ID	Size (Acres)	
				NONE	UNKNOWN	
Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action	
DNR RR			2014-10-14	2014-10-21	2014-11-03	
Comments						
*** AUTO-POPULATED FROM SPILL SERTS SYSTEM. SPILL ID: 20141014SC13-1 ***						
Characteristics						
PECFA Tracked?	EPA NPL Site?	Eligible for PECFA Funds?	Above Ground Storage Tank?	Drycleaner?	Co-Contamination?	Continuing Obligations Apply?
No	No	No	No	No	No	No
Actions						
Place Cursor Over Action Code to View Description						
Date	Code	Name	Comment			
2014-10-14	5	Spill Reported to DNR				
2014-10-14	1	Spill Incident Occurred				
2014-10-21	11	Spill Closed				
Financial						
Grants, Loans, DERF Expenditures, State-Funded and Spill Response						
Category				Fiscal Year	Amount	
Spill Response : Cost				2015	\$762	
Impacts						
Type			Comment			
Surface Water Contamination			LAKE MONONA			
Spill Information						
Incident Date	Reported Date	Investigator	Source			
10/14/2014	10/14/2014	UNKNOWN	Business/Commercial/Retail(Small Biz/Whse/Shop/Store/Rstrnt)			
Cause: A PETROLEUM SHEEN APPEARED ON LAKE MONONA NEAR A STORM SEWER THAT DRAINS THE MONONA TERRACE PARKING LOT AND TWO PUBLIC PARKING LOTS						
Comment: NO FURTHER RESPONSE ACTION IS PLANNED. SITE CAN BE CLOSED.						
Spiller Actions						
Action			Comment			
Cleanup Method - Absorbent						

DRAFT-(02.25.20)

Substances			
Substance	Type	Est Amt Released	Units
Petroleum - Unknown Type (UNKNOWN AMT)	Petroleum	0	

Who	
Role	Name/Address
Project Manager	MICHAEL SCHMOLLER 3911 FISH HATCHERY RD FITCHBURG,
Responsible Party	UNKNOWN UNKNOWN UNKNOWN,

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State of Wisconsin - Department of Natural Resources
 Substance Release Notification Report (SERTS)
 Report created on 10/28/2014

SPILL ID# 20141014SC13-1 BRKI S# 04-13-502/49

Incident Date & Time: 10/14/2014	Reported Date & Time: 10/14/2014	BRRTS No: 04-13-562749	Spill ID: 20141014SC13-1
DATCP Reported? No DATCP Transferred? No	NFA Letter Sent? No	ERP Transferred? No	Incident Closed? Yes : 10/21/2014

Location			
Region: SC	County: Dane	Municipality: MADISON, CITY OF	
Facility/Property Name and Street Address: MONONA TERRACE 1 JOHN NOLEN DRIVE		Description:	
Facility Type: Business/Commercial/Retail(Small Biz/Whse/Shop/Store/Rstrnt)			
Lat/Long:	PLSS:	WTM:	
Weather Conditions:			

Responsible Parties			
Name/Address (1): UNKNOWN , WI -	Contact: NONE	Other Contact:	Spill Packet:

Cause
A PETROLEUM SHEEN APPEARED ON LAKE MONONA NEAR A STORM SEWER THAT DRAINS THE MONONA TERRACE PARKING LOT AND TWO PUBLIC PARKING LOTS

Cause Type: UNKNOWN

Substances						
Name	Other / Comments	Amt Released	Amt Recovered	Type	Color	Odor
Petroleum - Unknown Type		UNK	0.0	LIQUID		

Environmental Impacts / Damages			
Environmental Impacts: SURFACE WATER - Name : LAKE MONONA	Resource Damages: No	Injuries: No	Evacuation: No

Cleanup Actions	
Method	Description
Absorbent (oil dry, sand, sawdust)	

Cleanup Action Comments
 SCS WAS HIRED AS A ZONE CONTRACTOR TO PLACE A BOOM ACROSS THE STORM DRAIN. NO FURTHER ACTION POSSIBLE OR NECESSARY

Contractors Hired	
Name	Description

Waste Destinations	
Location	Description

Agencies Notified / On Scene		
Agency	Notified	On Scene
DNR	X	

Additional Comments
 NO FURTHER RESPONSE ACTION IS PLANNED. SITE CAN BE CLOSED

State of Wisconsin - Department of Natural Resources
 Substance Release Notification Report (SERTS)
 Report created on 10/28/2014

SPILL ID# 20141014SC13-1 BRK15# 04-13-202/49

Enforcement Action/Citation				
Enforcement Action/Citation? No				
Case Activity Reports:				
Person Reporting				
Name	Representing / Address	Primary Phone	Secondary Phone	
MARK WILLIAMS	DOA			
Contractors Hired				
Name / Address			Zone Contractor Hired by DNR?	
BT SQUARED 608-712-2830			Yes	
Contacts				
Role	Name	Office Phone	Date	Time
Prepared By:	MICHAEL SCHMOLLER		10/14/2014	
Person Notified:			10/14/2014	
Investigated By:			10/14/2014	
Incident Commander:				
Spill Coordinator:	MICHAEL SCHMOLLER, SC Region	(608) 275-3303 x	10/21/2014	
Electronic Attachments (list)				
Name		Type		

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BRRTS on the Web

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[Basic Search](#) >> 04-13-581366 Activity Details

04-13-581366 LAKE MONONAE SPILL						
CLOSED SPILL						
Location Name (Click Location Name to View Location Details)				County	WDNR Region	
MONONA TERRACE				DANE	STH CNTRL	
Address				Municipality		
420 S BLAIR ST				MADISON		
PLSS Description			Latitude	Google Maps	RR Sites Map	
Additional Location Description			Longitude	Facility ID	Size (Acres)	
				NONE	UNKNOWN	
Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action	
DNR RR			2018-05-04	2018-05-09	2018-10-29	
Comments						
*** AUTO-POPULATED FROM SERTS ID: 20180504SC13-1 ***						
Characteristics						
PECFA Tracked?	EPA NPL Site?	Eligible for PECFA Funds?	Above Ground Storage Tank?	Drycleaner?	Co-Contamination?	Continuing Obligations Apply?
No	No	No	No	No	No	No
Actions						
Place Cursor Over Action Code to View Description						
Date	Code	Name	Comment			
2018-05-04	5	Spill Reported to DNR				
2018-05-04	1	Spill Incident Occurred				
2018-05-09	11	Spill Closed				
Impacts						
Type			Comment			
Surface Water Contamination			LAKE MONONA			
Spill Information						
Incident Date	Reported Date	Investigator	Source			
	05/04/2018	WARDEN CAPUTO	Public Prop/Residence (Fed/St/Cnty/City/Twn Ofcs/Bldgs/Grnd)			
Cause: SEDIMENT RUNOFF FROM CONSTRUCTION SITES NEAR THE CAPITOL SEEM TO BE THE SOURCE OF THE SEDIMENT PLUME IN LAKE MONONA						
Comment:						
Spiller Actions						
Action				Comment		
No Action Taken						
Substances						
Substance			Type	Est Amt Released	Units	
Other Substance Not Listed (SEDIMENT)			Other			
Who						

DRAFT-(02.25.20)

Role	Name/Address
Project Manager	MICHAEL SCHMOLLER 3911 FISH HATCHERY RD FITCHBURG,

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State of Wisconsin - Department of Natural Resources
Substance Release Notification Report (SERTS)

SPILL ID: 20180504SC13-1 BRRTS No: 04-13-581366

Incident Date & Time :		Reported Date & Time 05/04/2018 11:45		Activity Type Spill		BRRTS No. 04-13-581366		SPILL ID 20180504SC13-1	
Reported to DATCP? No		Transferred to DATCP? No		NFA Letter Sent? No		Transferred to ERP? No		Status Closed	
Location									
DNR Region SC	Mgmt Region SC	County Dane		Municipality MADISON, CITY OF			Parcel No.		
Location Name MONONA TERRACE					Address MONONA TERRACE				
Location Description LAKE MONONA								Facility ID	
Location Type Public Prop/Residence (Fed/St/Cnty/City/Twn Ofcs/Bldgs/Grnd)						PLSS Description			
WTM X		Y		Latitude/Longitude 0 .00 0 .00					
Responsible Parties									

UNKNOWN

Cause									
Type HUMAN ERROR									
Other Cause									
Cause Description									

Substances									
Substance Other [Other]					Substance Other SEDIMENT				
Est. Amt. Released		Est. Amt. Recovered 0.00		UOM	Physical Characteristic SOLID		Color	Odor	

Environmental Impacts									
Impact to Surface Water Contamination			Other Desc				Surface Water Name LAKE MONONA		
Environmental Impact Description									
Resource Damages? No		Resource Damage Type							
Resource Damage Comment									
Injuries? No		Injury Count 0		Injury Comment					
Evacuation? No									
Evacuation Count 0		Evacuation Comment							

LL ID: 20180504SC13-1 BRRTS No: 04-13-581366

State of Wisconsin - Department of Natural Resources
Substance Release Notification Report (SERTS)

SPI

Response Agencies

DNR (Notified)

Response

Enforcement Action? Enforcement Type
No

Enforcement Comment

Investigated by	Date	Incident Commander	Date
WARDEN CAPUTO			

Cleanup Actions

No Action Taken

Cleanup Comments

NO CLEANUP WARDENS CAPUTO AND DEGROFF CHECK SEVERAL CONSTRUCTION SITES BUT FOUND NO RUNOFF AT THAT TIME

Person Reporting

Anonymous Violation RP Contact

MICHAEL SCHMOLLER

Closure

Regional Spill Coordinator	Docs Received On	Date Closed
Mike M Schmoller (608) 275-3303	05/09/2018	05/09/2018


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Environmental Cleanup & Brownfields Redevelopment

BRRTS on the Web

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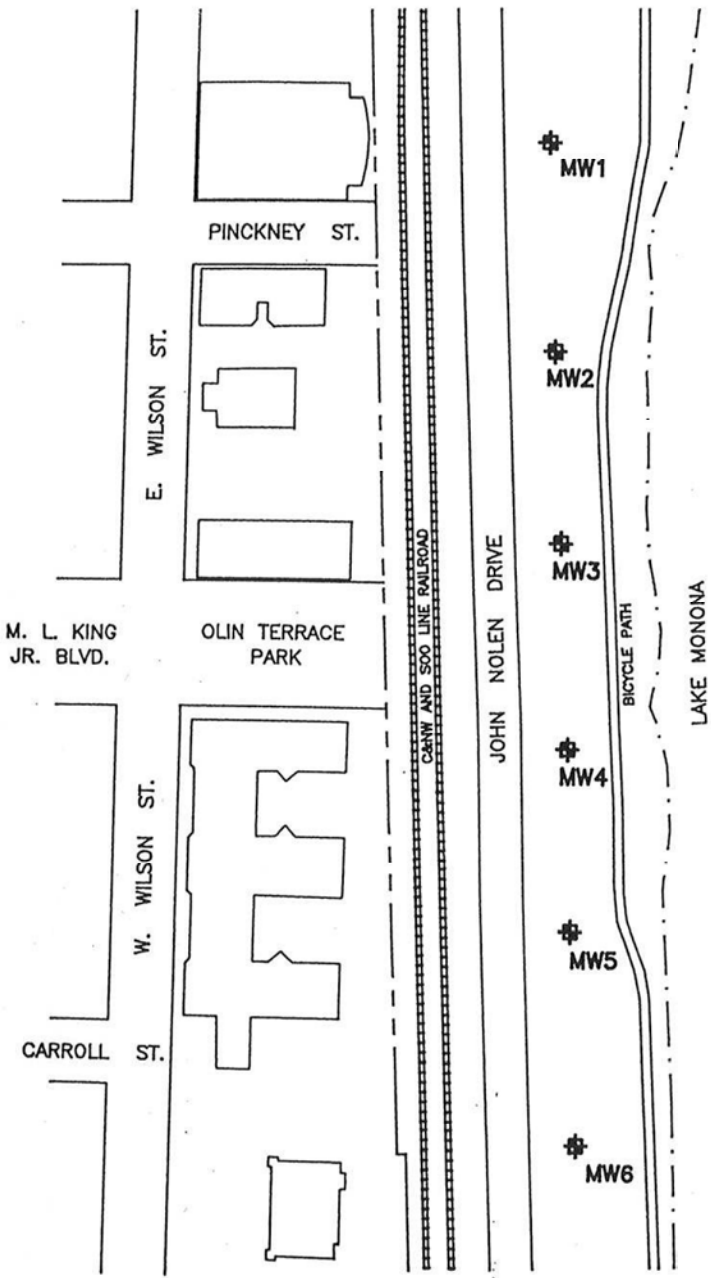
< [Basic Search](#)

09-13-535337 LAKE MONONA - LAW PARK						
NO ACTION REQ.						
Location Name (Click Location Name to View Location Details)				County	WDNR Region	
MADISON CTY LAW PARK LF 1941-45/MONONA TER				DANE	STH CNTRL	
Address				Municipality		
UNDER MONONA TER CONV CTR				MADISON		
PLSS Description		Latitude	Google Maps	RR Sites Map		
Additional Location Description		Longitude	Facility ID	Size (Acres)		
			113340150	UNKNOWN		
Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action	
DNR RR			1995-06-28		1995-06-28	
Characteristics						
PECFA Tracked?	EPA NPL Site?	Eligible for PECFA Funds?	Above Ground Storage Tank?	Drycleaner?	Co-Contamination?	Continuing Obligations Apply? 
No	No	No	No	No	No	No
Actions						
Place Cursor Over Action Code to View Description						
Date	Code	Name	Comment			
1995-06-28	355	Superfund No Further Remedial Action Planned	FROM SUPERFUND DATABASE			
1995-06-28	1	Notification				
Who						
Role		Name/Address				
Responsible Party		WEST BEND CITY OF DEPT OF COMM DEVEL 1115 S MAIN ST WEST BEND, WI 53095				

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LEGEND

⊕ SOIL BORING AND MONITORING WELL LOCATON & NUMBER

DRAFT

NOTES

1. SOIL BORINGS PERFORMED BY ENVIRONMENTAL & FOUNDATION DRILLING ON JANUARY 21 AND 22, 1993.
2. MONITORING WELLS WERE INSTALLED AT THE COMPLETION OF EACH BORING.
3. BASE MAP PROVIDED BY CITY OF MADISON.



SOIL BORING & MONITORING WELL LOCATION PLAN
MONONA TERRACE CONVENTION CENTER — MADISON, WISCONSIN

DRAWN BY: JAG

CHECKED BY: JAB

PROJECT NO. 92C6683 A.70

DATE: 5-20-93

FIGURE NO: 4.5-1

D:\92C6683\BORING.DWG

TABLE 4.5-7
FOLLOW UP HAZARDOUS SOIL GAS TESTING
April 6 & 19, 1993

DRAFT

Site #	Vinyl Chloride (ppm)	Benzene (ppm) (4/6/93)	Benzene (ppm) (4/19/93)	Hydrogen Sulfide (ppm)
MW-1	<0.0025	0.012 ✓	<0.02	<0.20
MW-2	<0.0025	<0.003	—	<0.20
MW-3	<0.0025	<0.003	—	<0.20
MW-4	<0.0025	<0.003	—	<0.20
MW-5	<0.0025	<0.003	—	<0.20
MW-6	<0.0025	0.009 ✓	<0.02	<0.20

Source: WCC field investigation, 1993

TABLE 4.5-6
METHANE GAS DETECTIONS: SITE MW6

DRAFT

*Cindy
Cook.*

Date	Time (Minutes)	Methane (% of the LEL)
4/12/93	1	10
	2	12
	3	12
	4	12
	5	12
	6	12
	7	14
	8	14
	9	12
	10	*
4/19/93	1	8
	2	12
	3	16
	4	*

* Test discontinued - water in line.

Source: WCC field investigation, 1993

DRAFT

TABLE 4.5-5
FOLLOW UP METHANE GAS MONITORING
 April 4-17, 1993

Date	Methane (% of the LEL)
4/4/93	0.0% in all monitoring wells (MW1 - MW6)
4/5/93	0.0% in all monitoring wells (MW1 - MW6)
4/6/93	0.0% in all monitoring wells (MW1 - MW6)
4/7/93	0.0% in all monitoring wells (MW1 - MW6)
4/8/93	0.0% in all monitoring wells (MW1 - MW6)
4/12/93	0.0% in MW1 - MW5 MW6 - refer to Table 4.5-5
4/13/93	0.0% in all monitoring wells MW1 - MW6
4/14/93	0.0% in all monitoring wells MW1 - MW6
4/15/93	0.0% in MW4, MW5 and MW6 No reading in MW-1, MW-2 and MW-3 -wet weather interference
4/16/93	0.0% in MW1 and MW2 No readings in MW3, MW4, and MW6 - wet weather interference
4/17/93	0.0% in MW1 - MW5; MW6 - refer to Table 4.5-5

Note: Methane in Monitoring wells was analyzed with Geo Group Infra Red Gas Analyzer; instrument's calibration checked with 2.5% methane standard on 4/5/93 and 4/12/93.

TABLE 4.5-4
SOIL GAS MONITORING RESULTS
February 10, 1993

DRAFT

Site Number	PID ¹ (ppm)	Methane (% of the LEL) ²
MW-1	3.3 (at 9')	0
MW-2	0.0	0
MW-3	0.0	4
MW-4	3.3 (at 4')	0
MW-5	0.0	0
MW-6	13.3 (at 9')	22

¹ PID measures volatile organic compounds

² Lower Explosive Limit

Source: WCC field investigation, 1993

DRAFT

TABLE 4.5-3 (cont.)

Parameter	Site MW-3	Site MW-4	WI Groundwater Standards ¹	
			Enforcement Level	PAL ²
29. Tetrachloroethene	<1.0	<1.0	5	0.18
30. Naphthalene	1.1	<1.0	40	8
PAH's (ug/l)				
1. Acenaphthene	15.0	1.24	None	None
2. Acenaphthylene	<.1	.17	None	None
3. Anthracene	31.0	2.29	None	None
4. Benzo(a)anthracene	66.0	5.36	None	None
5. Benzo(b)fluoranthene	51.1	5.17	None	None
6. Benzo(k)fluoranthene	30.1	3.08	None	None
7. Benzo(g,h,i)perylene	46.0	5.17	None	None
8. Benzo(a)pyrene	59.3	6.44	.003	.0003
9. Chrysene	61.2	5.25	None	None
10. Dibenzo(a,h)anthracene	10.5	1.20	None	None
11. Fluoranthene	251	15.6	None	None
12. Fluorene	22.2	1.43	None	None
13. Indeno(1,2,3-cd)pyrene	33.3	4.01	None	None
14. Naphthalene	14.4	2.34	40	8
15. Phenanthrene	207	14.2	None	None
16. Pyrene	168	16.8	None	None

1 - Wisconsin Administrative Code: NR140; Groundwater Quality

2 - Preventive Action Limit

TABLE 4.5-1
SUMMARY OF ANALYTICAL SOIL TESTING
 January 21-22, 1993

DRAFT

Site Number	Sample Number	Depth (ft)	TRPH (ppm)
MW-1	4	8.5-10.0	900
MW-4	2	3.5-5.0	240
MW-6	2	3.5-5.0	3,000
MW-6	4	8.5-10.0	3,200

Source: WCC field investigation, 1993

TABLE 4.5-2
SUMMARY OF GROUNDWATER ANALYTICAL TESTING
 February 3, 1993

Site Number	Water Table Depth (ft. below surface)	pH (SU)	TRPH (ppm)
MW-1	4.30	7.8	<1.0
MW-2	4.50	8.1	<1.0
MW-3	4.5	7.8	4.5
MW-4	4.5	7.5	2.3
MW-5	4.3	7.3	<1.0
MW-6	3.6	8.1	<1.0

Source: WCC field investigation, 1993

TABLE 4.5-3
 SUMMARY OF GROUNDWATER MONITORING RESULTS
 Law Park Well Sites
 March 26, 1993

DRAFT

Parameter	Site MW-3	Site MW-4	WI Groundwater Standards ¹	
			Enforcement Level	PAL ²
VOC'S (ug/l)				
1. Methylene Chloride	<1.0	1.1	150	15
2. Benzene	<1.0	<1.0	5	.067
3. Ethylbenzene	<1.0	<1.0	1360	272
4. Toluene	<1.0	<1.0	343	68.6
5. Xylene	<2.0	<2.0	620	124
6. Vinyl Chloride	<2.0	<2.0	.2	.0015
7. Chloroethane	<2.0	<2.0	400	80
8. 1,1-Dichloroethene	<1.0	<1.0	7	.024
9. Trans-1,2-Dichloroethene	<1.0	<1.0	100	20
10. 1,1-Dichloroethane	<1.0	<1.0	850	85
11. CIS-1,2-Dichloroethane	<1.0	<1.0	5	.05
12. Chloroform	<1.0	<1.0	6	.6
13. 1,1,1-Trichloroethane	<1.0	<1.0	200	40
14. Carbon Tetrachloride	<1.0	<1.0	5	.5
15. 1,2-Dichloroethane	<1.0	<1.0	5	.05
16. Trichloroethene	<1.0	<1.0	5	0.18
17. 1,2-Dichloropropane	<1.0	<1.0	5	.5
18. Bromodichloromethane	<1.0	<1.0	179	36
19. 1,1,2-Trichloroethane	<1.0	<1.0	.6	.06
20. Dibromochloromethane	<1.0	<1.0	215	43
21. 1,2-Dibromoethane	<1.0	<1.0	.010	.001
22. Bromoform	<1.0	<1.0	4.4	0.44
23. 1,3-Dichlorobenzene	<1.0	<1.0	1250	125
24. 1,4-Dichlorobenzene	<1.0	<1.0	75	15
25. 1,2-Dichlorobenzene	<1.0	<1.0	1250	125
26. 1,2-Dibromo-3-Chloropropane	<1.0	<1.0	0.05	0.005
27. Methyl-Tert-Butyl Ether	<5.0	<5.0	60	12
28. Benzene	<1.0	<1.0	5	.067

Table 5-2: Water Level Adjustments for Pre-Test Trends

Well #	Measured Water Level Elevations (feet)			Change/Day (ft)
	3/7/94	3/8/94	3/9/94	
MW-1	845.60	845.64	845.68	+0.040
MW-2	845.55	845.59	845.64	+0.045
MW-4	845.57	845.60	845.61	+0.020
MW-7	848.26	848.52	848.85	+0.295
MW-8a	838.38	838.46	838.57	+0.095
MW-8b	838.29	838.35	838.47	+0.090
MW-9	845.61	845.63	845.67	+0.030
DN5	806.60	--	804.60	-1.00

Review of the available data collected reveals the following:

- The Pre-aquifer test water level measurements taken at wells MW-1, MW-8a, and MW-8b indicated high downward gradients between MW-1 and MW-8a; and lower downward gradients between MW-8a and MW-8b.
- The pre-aquifer test monitoring indicated that the shallow groundwater within the project site appeared to be following a slight rising trend during the aquifer test period.
- During the 48 hour aquifer test period, significant drawdown occurred at wells MW-8a (-5.98 feet) and MW-8b (-6.15 feet).
- During the aquifer test, slight or no drawdowns were observed in MW-1, MW-2, MW-4, and MW-9.
- A drawdown of about 0.91 feet (corrected for trend) was observed at MW-7.
- A maximum drawdown of 6.66 feet (corrected for trend) was observed at DN5.
- During the aquifer test, the vertical gradients increased between MW-1 and MW-8a and did not appreciably change between MW-8a and MW-8b.

GROUNDWATER QUALITY MONITORING RESULTS

16-Mar-93		6-Jan-94							11-Feb-94			3-Mar-94		
MW-3	MW-4	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-3	MW-4	MW-7	MW-8a	MW-8b	17
0.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.8	<1.0	<1.0	<1.0	<1.0	4.2 *	4.0 *	4.5 *
0.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	2.0	<1.0
0.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
0	1.24	<6.6(4)	<0.66	<0.66	<0.66	<0.66	<13.2(5)	<0.66	<1.00	<1.00	<1.00	<1.00	<1.00	<1.04
1	0.17	<16	<1.60	<1.60	<1.60	<1.60	<35.2	<1.60	<2.00	<2.00	<2.00	<2.00	<2.00	<2.08
0	2.29	0.95	0.22	0.47	0.05	0.62	4.33	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
0	5.36	2.67	0.40	1.48	0.13	<0.04	2.50	0.08	0.08	0.01	0.05	0.02	0.01	<0.01
1	5.17	2.57	0.43	1.56	0.16	<0.08	1.96	<0.08	0.08	<0.02	0.06	0.03	<0.02	<0.02
1	3.08	1.70	0.26	0.94	0.10	<0.04	1.38	0.05	0.04	0.07	0.03	0.01	<0.01	<0.01
0	5.17	<0.7	<0.07	<0.07	<0.07	<0.07	<1.4	<0.07	0.04	<0.02	0.03	0.02	<0.02	<0.02
3	6.44	3.20	0.53	1.93	0.24	<0.05	2.79	0.12	0.05	0.01	0.06	0.02	<0.01	<0.01
2	5.25	2.07	0.44	1.08	0.10	<0.05	2.34	0.06	0.10	<0.10	<0.10	<0.10	<0.10	<0.10
5	1.20	<0.4	<0.04	<0.04	<0.04	<0.04	<0.8	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1	15.6	4.24	1.09	2.77	<0.28	<0.28	8.23	<0.28	0.31	0.06	0.08	0.08	0.03	<0.02
2	1.43	<1.1	0.15	0.25	<0.11	<0.11	5.99	<0.11	0.25	<0.20	<0.20	<0.20	<0.20	<0.21
3	4.01	3.11	0.62	1.98	0.20	<0.08	2.25	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4	2.34	<11	<1.10	<1.10	<1.10	<1.10	25.4	<1.10	<1.00	<1.00	<1.00	<1.00	<1.00	<1.04
7	14.2	2.20	0.61	1.33	<0.15	2.09	14.9	<0.15	0.17	<0.10	<0.10	<0.10	<0.10	<0.10
3	16.8	5.81	1.13	3.16	0.35	<0.03	<0.6	<0.03	0.24	<0.10	0.10	<0.10	<0.10	<0.10

than laboratory quantification limits
 : NR 140; Groundwater Quality
 tive Action Limit (PAL)

Reverse image values exceed Wis. Groundwater Standards (E.L. or PAL)

shown; no other compounds were measured above detection levels
 use of high analyte concentrations; a 10x dilution necessary
 use of high analyte concentrations; a 20x dilution necessary
 ratory background levels

3/94 were obtained with a bailer; samples on 2/11/94; 3/16/94; & 4/7/94 were obtained by a "slow extraction" method

GROUNDWATER QUALITY MONITORING RESULTS (con't)

16-Mar-94						7-Apr-94		Wis G.W. Stds. (1)	
MW-3	MW-4	MW-7	MW-8a	MW-8b	17	MW-8a	MW-8b	E.L.(2)	PAL(2)
NA	NA	NA	2.0*	1.6*	1.6*	1.7*	2.1*	150	15
NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	5	0.5
NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	700	140
NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	?	?
NA	NA	NA	2.5	1.8	<1.0	1.3	2.2	343	68.6
NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	?	?
NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	620	124
00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0	<1.0	none	none
00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.0	<2.0	none	none
10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	none	none
7	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	none	none
6	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	none	none
4	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	none	none
4	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	none	none
7	0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.003	0.0003
10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	none	none
02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	none	none
5	0.06	0.03	0.02	<0.02	<0.02	<0.02	<0.02	none	none
20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	none	none
05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	none	none
00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0	<1.0	40	8
4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	none	none
0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	none	none

... than laboratory quantification limits
 ...: NR 140; Groundwater Quality
 ...tive Action Limit (PAL)

Reverse image values exceed Wis. Groundwater Standards (E.L. or PAL)

... shown; no other compounds were measured above detection levels
 ... use of high analyte concentrations; a 10x dilution necessary
 ... use of high analyte concentrations; a 20x dilution necessary
 ... laboratory background levels

3/94 were obtained with a bailer; samples on 2/11/94; 3/16/94; & 4/7/94 were obtained by a "slow extraction" method

Table 1: Law Park Groundwater Quality Results (April 20, 1995)
Volatile Organic Compounds (V.O.Cs)

Compound (ug/l)	MW-7	MW-8A	MW-8B	UW #17	WDNR	
					P.A.L.	E.S.
Benzene	< 1.0	< 1.0	< 1.0	< 1.0	0.5	5
Bromobenzene	< 1.0	< 1.0	< 1.0	< 1.0		
Bromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0		
Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0	36	179
Bromoform	< 1.0	< 1.0	< 1.0	< 1.0	0.44	4.4
Bromomethane	< 2.0	< 2.0	< 2.0	< 2.0		
Carbon Tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0	0.5	5
Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		
Chloroethane	< 2.0	< 2.0	< 2.0	< 2.0	80	400
Chloroform	< 1.0	< 1.0	< 1.0	< 1.0	0.6	6
Chloromethane	< 2.0	< 2.0	< 2.0	< 2.0		
2-Chlorotoluene	< 1.0	< 1.0	< 1.0	< 1.0		
4-Chlorotoluene	< 1.0	< 1.0	< 1.0	< 1.0		
Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0	43	215
1,2-Dibromo-3-chloropropane	< 1.0	< 1.0	< 1.0	< 1.0	0.02	0.2
1,2-Dibromoethane (EDB)	< 1.0	< 1.0	< 1.0	< 1.0	0.005	0.05
Dibromomethane	< 1.0	< 1.0	< 1.0	< 1.0		
1,2-Dichlorobenzene (O-)	< 1.0	< 1.0	< 1.0	< 1.0	60	600
1,3-Dichlorobenzene (M-)	< 1.0	< 1.0	< 1.0	< 1.0	125	1250
1,4-Dichlorobenzene (P-)	< 1.0	< 1.0	< 1.0	< 1.0	15	75
Dichlorodifluoromethane	< 2.0	< 2.0	< 2.0	< 2.0	200	1000
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	85	850
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	0.5	5
1,1-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0	0.7	7
cis-1,2-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0	7	70
trans-1,2-Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0	20	100
Methylene chloride	1.1 *	1.0 *	1.0 *	< 1.0	15	150
1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	0.5	5
1,3-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0		
2,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0		
1,1-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0		
cis-1,3-Dichloropropylene	< 1.0	< 1.0	< 1.0	< 1.0		
trans-1,3-Dichloropropylene	< 1.0	< 1.0	< 1.0	< 1.0		
Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	140	700
Hexachlorobutadiene	< 1.0	< 1.0	< 1.0	< 1.0		
Isopropyl Ether	< 5.0	< 5.0	< 5.0	< 5.0		
Isopropylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		
MTBE	< 5.0	< 5.0	< 5.0	< 5.0	12	60

Table 1 (Continued)

DRAFT-(02.25.20)

Compound (ug/l)	MW-7	MW-8A	MW-8B	UW #17	WDNR	
					P.A.L.	E.S.
N-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		
N-Propylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		
Napthalene	< 1.0	< 1.0	< 1.0	< 1.0		
P-Isopropyltoluene	< 1.0	< 1.0	< 1.0	< 1.0	8	40
Sec-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		
Styrene	< 1.0	< 1.0	< 1.0	< 1.0		
Tert-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	10	100
Tetrachloroethylene	< 1.0	< 1.0	< 1.0	< 1.0		
1,1,1,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0		
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0	0.5	5
Toluene	< 1.0	< 1.0	< 1.0	< 1.0		
2,3-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0		
2,4-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	68.6	343
1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0		
Dichloroethylene	< 1.0	< 1.0	< 1.0	< 1.0	40	200
Dichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 1.0	0.06	0.6
1,1,1-Trichloropropane	< 2.0	< 2.0	< 2.0	< 1.0	0.5	5
1,2,4-Trimethylbenzene	< 1.0	< 1.0	< 1.0	< 2.0	698	3490
1,3,5-Trimethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0		
Chloride	< 1.0	< 1.0	< 1.0	< 1.0		
Organics (total)	< 2.0	< 2.0	< 2.0	< 1.0		
	< 2.0	< 2.0	< 2.0	< 2.0	0.02	0.2
					124	620

lyte Detection Traced to Field and/or Laboratory Background Levels

is screened at the water table surface and is located upgradient to the landfill.
 is screened below the landfill at a depth of 60 feet below the ground surface.
 is screened below the landfill at a depth of 140 feet below the ground surface.
 is a City of Madison water supply well.

Table 2: Law Park Groundwater Quality Results (April 20, 1995)
Poly Aromatic Hydrocarbons (PAHs)

Compound (ug/l)	MW-7	MW-8A	MW-8B	UW #17	WDNR	
					P.A.L.	E.S.
Acenaphthene	< 1.0	< 1.0	< 1.0	< 1.0		
Acenaphthylene	< 2.0	< 2.0	< 2.0	< 2.0		
Anthracene	< 0.10	< 0.10	< 0.10	< 0.10		
Benzo (a) anthracene	< 0.01	< 0.01	< 0.01	< 0.01		
Benzo (b) fluoranthene	< 0.02	< 0.02	< 0.02	< 0.02		
Benzo (k) fluoranthene	< 0.01	< 0.01	< 0.01	< 0.01		
Benzo (g,h,i) perylene	< 0.02	< 0.02	< 0.02	< 0.02		
Benzo (a) pyrene	< 0.01	< 0.01	< 0.01	< 0.01	0.0003	0.003
Chrysene	< 0.10	< 0.10	< 0.10	< 0.10		
Dibenzo(a,h)anthracene	< 0.02	< 0.02	< 0.02	< 0.02		
Fluoranthene	< 0.02	< 0.02	< 0.02	< 0.02		
Fluorene	< 0.20	< 0.20	< 0.20	< 0.20		
Ideno (1,2,3-cd) pyrene	< 0.05	< 0.05	< 0.05	< 0.05		
1-Methyl Naphthalene	< 2.0	< 2.0	< 2.0	< 2.0		
2-Methyl Naphthalene	< 2.0	< 2.0	< 2.0	< 2.0		
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	8	40
Phenanthrene	< 0.10	< 0.10	< 0.10	< 0.10		
Pyrene	< 0.10	< 0.10	< 0.10	< 0.10		

* Analyte Detection Traced to Field and/or Laboratory Background Levels

MW-7A is screened at the water table surface and is located upgradient to the landfill.

MW-8A is screened below the landfill at a depth of 60 feet below the ground surface.

MW-8B is screened below the landfill at a depth of 140 feet below the ground surface.

UW #17 is a City of Madison water supply well.

Appendix C: Site Photographic Log

Photographic Log


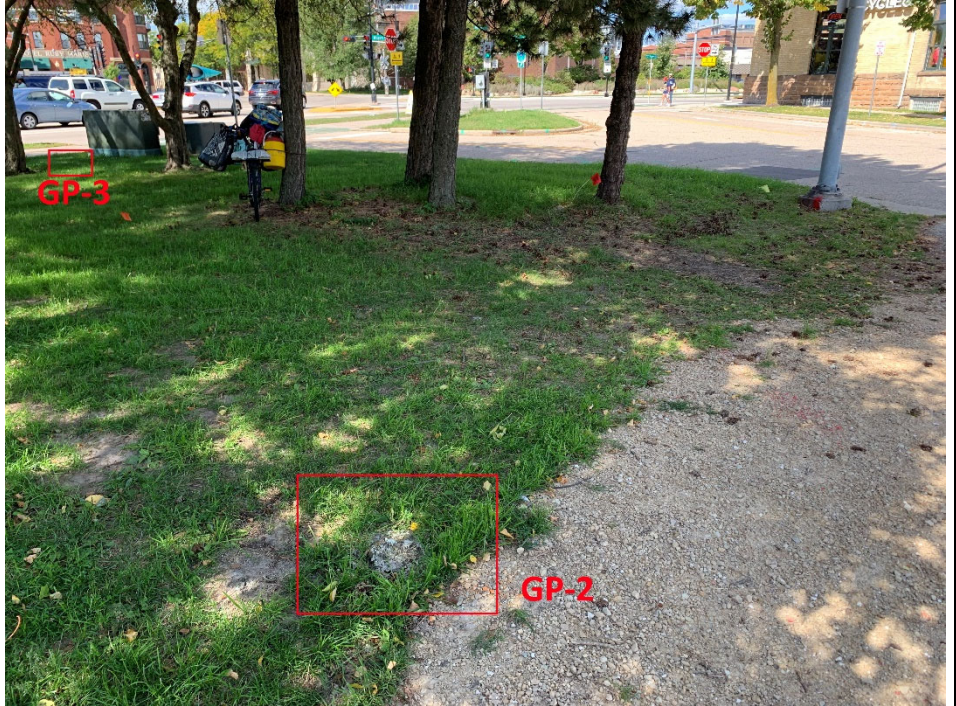
Client Name: WisDOT		Site Location: USH 151 - John Nolan and Law Park, Madison, WI	Project No.: WisDOT #5400-00-02 TRC #393855.0000.0000
Photo No. 1	Date 7/30/2020	 <p>A photograph showing a grassy area next to a road. A red box highlights a specific spot labeled 'GP-1'. In the background, a black car is driving on the road, and other vehicles are parked. A storm drain is visible in the foreground.</p>	
Description GP-1 looking north across USH 151. SVOCs benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, and dibenz(a,h)anthracene were discovered above NR720 DC RCLs.			

Photo No. 2	Date 7/30/2020	 <p>A photograph showing a grassy area with trees. A red box highlights a spot labeled 'GP-2'. Another red box highlights a spot labeled 'GP-3' in the background. A street with cars and buildings is visible in the distance.</p>	
Description GP-2 and GP-3 looking north across USH 151/Law Park. SVOCs benzo[a]pyrene, benzo[b]fluoranthene, and dibenz(a,h)anthracene were discovered above NR720 DC RCLs.			

Photographic Log



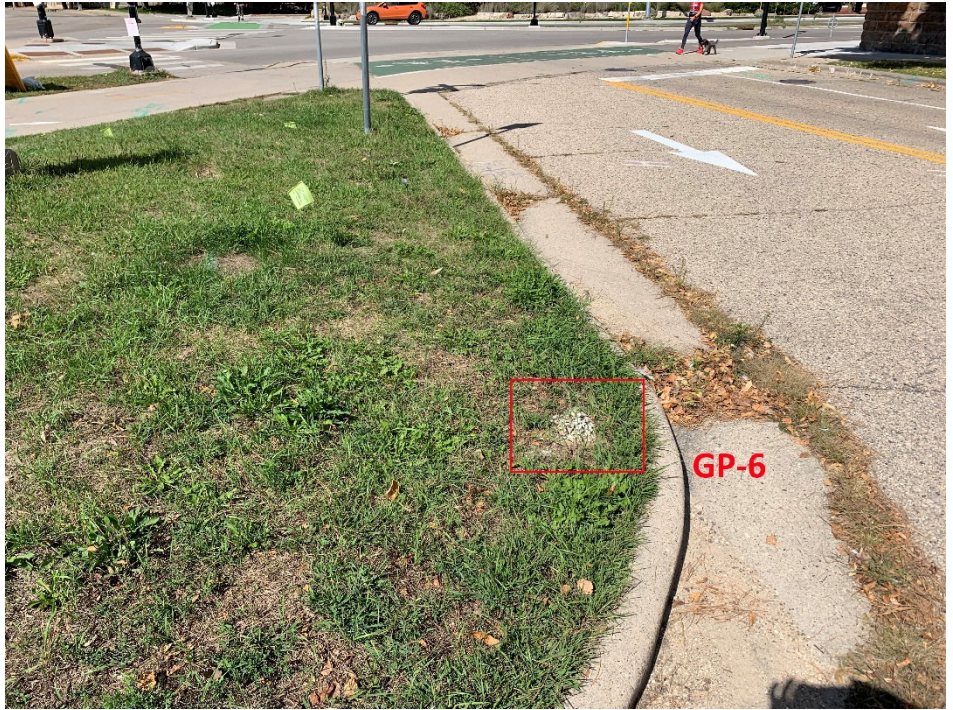
Client Name: WisDOT		Site Location: USH 151 - John Nolan and Law Park, Madison, WI	Project No.: WisDOT #5400-00-02 TRC #393855.0000.0000
Photo No. 3	Date 7/30/2020		
Description GP-4/TW-4 looking northwest across USH 151. No impacts above NR720 RCLs were discovered in this boring. SVOCs benzo[a]pyrene, benzo[b]fluoranthene, and chrysene were discovered above the NR140 ES.			

Photo No. 4	Date 7/30/2020		
Description GP-5 looking southwest towards Law Park. No impacts above NR720 RCLs were discovered in this boring.			

Photographic Log

Client Name: WisDOT		Site Location: USH 151 - John Nolan and Law Park, Madison, WI	Project No.: WisDOT #5400-00-02 TRC #393855.0000.0000
Photo No. 5	Date 7/30/2020		
Description GP-6 looking northwest across USH 151. No impacts above NR720 RCLs were discovered in this boring.			

Appendix D: Soil Boring Logs/WDNR Borehole Filling and Sealing Forms

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name USH 151 John Nolen-Williamson St Phase 2.5		License/Permit/Monitoring Number		Boring Number GP-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental		Date Drilling Started 7/30/2020		Date Drilling Completed 7/30/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name GP-1	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane SE 1/4 of SW 1/4 of Section 13, T 7 N, R 9 E		Lat 43° 4' 30.551" Long 89° 22' 33.809"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane		County Code 13	
				Civil Town/City/ or Village Madison	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	60 36		0	TOPSOIL				0.2						0-2.5
			1	SAND (SW) , some gravel, fine to coarse grained, very pale brown (10YR 7/4), no odor, dry, loose.				0.3						2.5-5
2 GP	60 48		2											
			3											
			4											
			5	sand, same as above, gray (10YR 5/1), no odor, wet, loose.				0.3					5-7.5	
			6	FILL , sand and gravel sized industrial debris, some glass and brick material present, black (10YR 2/1), organic odor, wet, loose.				0.5					7.5-10 Sampled @ 835	
			7											
			8											
			9	SAND (SW) , some gravel, fine to medium grained, light gray (10YR 7/1), no odor, dry, loose.	SW									
			10	Boring terminated at 10 feet bgs (7/30/2020)										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Wesley J. Beaza* Firm **TRC Environmental** Tel: 608-826-3600
708 Heartland Trail Suite 3000 Madison, WI 53717 Fax:

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name USH 151 John Nolen-Williamson St Phase 2.5			License/Permit/Monitoring Number		Boring Number GP-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental			Date Drilling Started 7/30/2020		Date Drilling Completed 7/30/2020	
WI Unique Well No.		DNR Well ID No.	Common Well Name GP-2	Final Static Water Level Feet MSL		Surface Elevation Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		State Plane N, E S/C/N		Lat 43° 4' 32.136"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
SE 1/4 of SW 1/4 of Section 13, T 7 N, R 9 E		Long 89° 22' 31.039"		Feet <input type="checkbox"/> S <input type="checkbox"/> W		Borehole Diameter 2.0 inches
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Madison		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	60 48		1	TOPSOIL				0.3						0-2.5
			2	SAND (SW), some gravel, fine to coarse grained, dark yellowish brown (10YR 4/6), no odor, dry, loose.	SW									
2 GP	60 60		3	FILL, sand and gravel sized construction debris, brick and crushed rock material present, mix of pale yellow (5Y 8/4) and yellowish red (5YR 5/8), no odor, dry, loose.				1.1						2.5-5 sampled @ 900
			4											
			5	SAND (SW), some gravel, fine to medium grained, light gray (10YR 7/1), no odor, dry, loose.	SW			0.2						5-7.5
			6											
			7	FILL, sand and gravel sized industrial debris, some glass and brick material present, black (10YR 2/1), no odor, wet, loose.				0.2						7.5-10
			8	SAND (SW), some gravel, fine to medium grained, light gray (10YR 7/1), no odor, dry, loose.	SW									
			9											
			10	Boring terminated at 10 feet bgs (7/30/2020)										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Wesley J. Beaza</i>	Firm TRC Environmental 708 Heartland Trail Suite 3000 Madison, WI 53717	Tel: 608-826-3600 Fax:
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name USH 151 John Nolen-Williamson St Phase 2.5			License/Permit/Monitoring Number		Boring Number GP-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental			Date Drilling Started 7/30/2020		Date Drilling Completed 7/30/2020	
WI Unique Well No.		DNR Well ID No.	Common Well Name GP-3	Final Static Water Level Feet MSL		Surface Elevation Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		State Plane N, E S/C/N		Lat 43° 4' 32.011"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
SE 1/4 of SW 1/4 of Section 13, T 7 N, R 9 E		Long 89° 22' 31.881"		Feet <input type="checkbox"/> S <input type="checkbox"/> W		Borehole Diameter 2.0 inches
Facility ID		County Dane	County Code 13	Civil Town/City/ or Village Madison		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	60 42		0-1	TOPSOIL				0.2						0-2.5
			1-3	FILL , sand and gravel sized industrial debris, some glass and brick material present, black (10YR 2/1), no odor, dry, loose.				0.2	2.75					2.5-5
2 GP	60 42		3-5	LEAN CLAY , dark yellowish brown (10YR 4/4), no odor, dry, layer of crushed gravel at 3.25-3.5.	CL									
			5-7	FILL , sand and gravel sized industrial debris, some glass and brick material present, black (10YR 2/1), no odor, dry going to wet at 6 feet bgs, loose.				0.2						5-7.5 sampled @ 915
			7-10	SAND (SW) , some gravel, fine to medium grained, light gray (10YR 7/1), no odor, wet, loose.	SW			0.2						7.5-10
			10	Boring terminated at 10 feet bgs (7/30/2020)										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Wesley J. Beaza</i>	Firm TRC Environmental 708 Heartland Trail Suite 3000 Madison, WI 53717	Tel: 608-826-3600 Fax:
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name USH 151 John Nolen-Williamson St Phase 2.5		License/Permit/Monitoring Number		Boring Number GP-4/TW-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental		Date Drilling Started 7/30/2020		Date Drilling Completed 7/30/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name GP-4/TW-4	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SE 1/4 of SW 1/4 of Section 13, T 7 N, R 9 E		Lat 43° 4' 33.084"		Long 89° 22' 30.622"	
Facility ID		County Dane		County Code 13	
				Civil Town/City/ or Village Madison	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	60 48		0	TOPSOIL				0.2						0-2.5	
			2	FILL , sand and gravel sized industrial debris, some glass and brick material present, black (10YR 2/1), no odor, dry, loose.				0.2	1.75					2.5-5	
2 GP	60 36		4	LEAN CLAY , dark yellowish brown (10YR 4/4), no odor, dry.	CL										
			6	FILL , sand and gravel sized industrial debris, some glass and brick material present, black (10YR 2/1), no odor, dry, loose.				0.3					5-7.5		
			8	SAND (SW) , some gravel, fine to medium grained, light gray (10YR 7/1), no odor, wet, loose.	SW										
3 GP	60 48		8	LEAN CLAY , some sand, medium plastic, gray (10YR 5/1), no odor, wet, soft.	CL			0.2						7.5-10 sampled @ 945	
			10	SAND (SW) , some gravel, fine to medium grained, light gray (10YR 7/1), no odor, dry, loose.				0.2					10-12.5		
			12	sand, same as above, wet, no odor, goes to light brownish gray (10YR 6/2).	SW										
			14	GRAVEL (GW) , crushed rock, angular, fine to coarse grained, light brownish gray (10YR 6/2), no odor, wet, loose.	GW			0.1					12.5-15		
				Boring terminated at 15 feet bgs (7/30/2020); temporary well installed to 15 feet bgs.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Wesley J. Beazley* Firm **TRC Environmental** Tel: 608-826-3600
708 Heartland Trail Suite 3000 Madison, WI 53717 Fax:

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name USH 151 John Nolen-Williamson St Phase 2.5		License/Permit/Monitoring Number		Boring Number GP-5	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental		Date Drilling Started 7/30/2020		Date Drilling Completed 7/30/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name GP-5	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane SE 1/4 of SW 1/4 of Section 13, T 7 N, R 9 E		Lat 43° 4' 33.345" Long 89° 22' 30.908"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane		County Code 13	
				Civil Town/City/ or Village Madison	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	60 48		1	ASPHALT				0.2						0-2.5
			2	SAND (SW) , some gravel, fine to coarse grained, very pale brown (10YR 8/3), no odor, dry, loose.				0.2					2.5-5 sampled @ 1015 (DRO/GRO)	
			5	sand, same as above, dry, no odor.	SW			0.3				5-7.5		
2 GP	60 36		7	sand, trace gravel, fine to medium grained, gray (10YR 7/1), no odor, wet, loose.				0.2					7.5-10	
			10	Boring terminated at 10 feet bgs (7/30/2020)										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Wesley J. Beaza* Firm **TRC Environmental** Tel: 608-826-3600
708 Heartland Trail Suite 3000 Madison, WI 53717 Fax:

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name USH 151 John Nolen-Williamson St Phase 2.5		License/Permit/Monitoring Number		Boring Number GP-6	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental		Date Drilling Started 7/30/2020		Date Drilling Completed 7/30/2020	
WI Unique Well No.		DNR Well ID No.		Common Well Name GP-6	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 2.0 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane SE 1/4 of SW 1/4 of Section 13, T 7 N, R 9 E		Lat 43° 4' 32.948" Long 89° 22' 31.176"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Dane		County Code 13	
				Civil Town/City/ or Village Madison	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	60 48		1	TOPSOIL				0.1						0-2.5
				SAND (SW), trace gravel, fine to coarse grained, yellow (10YR 7/6), no odor, dry, loose.	SW		0.3					2.5-5 sampled @ 1030		
2 GP	60 48		5	sand, same as above, no odor, dry.				0.2					5-7.5	
							0.1			7.5-10				
			9	GRAVEL (GP), coarse grained, light brownish gray (10YR 6/2), no odor, wet, loose.	GP									
			10	Boring terminated at 10 feet bgs (7/30/2020)										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Wesley J. Beaza* Firm **TRC Environmental** Tel: 608-826-3600
708 Heartland Trail Suite 3000 Madison, WI 53717 Fax:

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

County Dane		WI Unique Well # of Removed Well (GP-1)		Hicap #		Facility Name USH 151 John Nolen-Williamson St Phase 2.5			
Latitude / Longitude (see instructions) 43.07515 ° N -89.37606 ° W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS)			
1/4 / 1/4 SE or Gov't Lot #		1/4 SW		Section 13		Township 7		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 410 S Blair St						Present Well Owner Wisconsin Department of Transportation			
Well City, Village or Town Madison				Well ZIP Code 53703		Mailing Address of Present Owner 4822 Madison Yards Way			
Subdivision Name				Lot #		City of Present Owner Madison		State WI	ZIP Code 53707

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service Borehole		WI Unique Well # of Replacement Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A					
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 07/30/2020		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain)					
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		If a Well Construction Report is available, please attach.		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft) 15.0		Casing Diameter (in.)		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Lower Drillhole Diameter (in.) 2.0		Casing Depth (ft.)		Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)? Depth to Water (feet)					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Hole Plug 3/8" Chips	Surface		0.22 cubic feet	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing On Site Environmental		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 07/30/2020	Date Received	Noted By
Street or Route PO Box 280			Telephone Number (608) 837-8992	Comments	
City Sun Prairie		State WI	ZIP Code 53590	Signature of Person Doing Work	
				Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

County Dane		WI Unique Well # of Removed Well (GP-2)		Hicap #		Facility Name USH 151 John Nolen-Williamson St Phase 2.5			
Latitude / Longitude (see instructions) 43.07559 ° N -89.37529 ° W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS)			
1/4 / 1/4 SE or Gov't Lot #		1/4 SW		Section 13		Township 7		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 410 S Blair St						Present Well Owner Wisconsin Department of Transportation			
Well City, Village or Town Madison				Well ZIP Code 53703		Mailing Address of Present Owner 4822 Madison Yards Way			
Subdivision Name				Lot #		City of Present Owner Madison		State WI	ZIP Code 53707

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service Borehole		WI Unique Well # of Replacement Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A					
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 07/30/2020		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain)					
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		If a Well Construction Report is available, please attach.		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft) 15.0		Casing Diameter (in.)		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Lower Drillhole Diameter (in.) 2.0		Casing Depth (ft.)		Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)? Depth to Water (feet)					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Hole Plug 3/8" Chips	Surface		0.22 cubic feet	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing On Site Environmental		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 07/30/2020	Date Received	Noted By
Street or Route PO Box 280			Telephone Number (608) 837-8992	Comments	
City Sun Prairie		State WI	ZIP Code 53590	Signature of Person Doing Work	
				Date Signed	

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

County Dane		WI Unique Well # of Removed Well (GP-3)		Hicap #		Facility Name USH 151 John Nolen-Williamson St Phase 2.5			
Latitude / Longitude (see instructions) 43.07556 ° N -89.37552 ° W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS)			
1/4 / 1/4 SE or Gov't Lot #		1/4 SW		Section 13		Township 7		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 410 S Blair St						Present Well Owner Wisconsin Department of Transportation			
Well City, Village or Town Madison						Mailing Address of Present Owner 4822 Madison Yards Way			
Subdivision Name						Well ZIP Code 53703		City of Present Owner Madison	
Reason For Removal From Service Borehole						WI Unique Well # of Replacement Well		State WI	
Subdivision Name						Lot #		ZIP Code 53707	

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 07/30/2020		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain) _____		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips	
Total Well Depth From Ground Surface (ft) 15.0		Casing Diameter (in.)		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	
Lower Drillhole Diameter (in.) 2.0		Casing Depth (ft.)			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)?		Depth to Water (feet)			

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Hole Plug 3/8" Chips	Surface		0.22 cubic feet	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing On Site Environmental		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 07/30/2020	Date Received	Noted By
Street or Route PO Box 280			Telephone Number (608) 837-8992	Comments	
City Sun Prairie	State WI	ZIP Code 53590	Signature of Person Doing Work		Date Signed

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

County Dane		WI Unique Well # of Removed Well (GP-4/TW-4)		Hicap #		Facility Name USH 151 John Nolen-Williamson St Phase 2.5			
Latitude / Longitude (see instructions) 43.07586 ° N -89.37517 ° W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS)			
1/4 SE or Gov't Lot #		1/4 SW		Section 13		Township 7		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 410 S Blair St						Present Well Owner Wisconsin Department of Transportation			
Well City, Village or Town Madison				Well ZIP Code 53703		Mailing Address of Present Owner 4822 Madison Yards Way			
Subdivision Name				Lot #		City of Present Owner Madison		State WI	ZIP Code 53707

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service Temp well		WI Unique Well # of Replacement Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A					
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 07/30/2020		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain)					
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		If a Well Construction Report is available, please attach.		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft) 15.0		Casing Diameter (in.) 1.00		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Lower Drillhole Diameter (in.) 2.0		Casing Depth (ft.) 15.0		Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)? Depth to Water (feet)					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Hole Plug 3/8" Chips	Surface		0.33 cubic feet	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing On Site Environmental		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 07/30/2020	Date Received	Noted By
Street or Route PO Box 280			Telephone Number (608) 837-8992	Comments	
City Sun Prairie		State WI	ZIP Code 53590	Signature of Person Doing Work	
				Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

County Dane		WI Unique Well # of Removed Well (GP-5)		Hicap #		Facility Name USH 151 John Nolen-Williamson St Phase 2.5			
Latitude / Longitude (see instructions) 43.07593 ° N -89.37525 ° W			Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS)		
1/4 / 1/4 SE or Gov't Lot #		1/4 SW		Section 13		Township 7		Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 410 S Blair St						Present Well Owner Wisconsin Department of Transportation			
Well City, Village or Town Madison				Well ZIP Code 53703		Mailing Address of Present Owner 4822 Madison Yards Way			
Subdivision Name				Lot #		City of Present Owner Madison		State WI	ZIP Code 53707

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service Borehole		WI Unique Well # of Replacement Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A					
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 07/30/2020		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain)					
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		If a Well Construction Report is available, please attach.		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft) 15.0		Casing Diameter (in.)		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Lower Drillhole Diameter (in.) 2.0		Casing Depth (ft.)		Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)? Depth to Water (feet)					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Hole Plug 3/8" Chips	Surface		0.22 cubic feet	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing On Site Environmental		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 07/30/2020	Date Received	Noted By
Street or Route PO Box 280			Telephone Number (608) 837-8992	Comments	
City Sun Prairie		State WI	ZIP Code 53590	Signature of Person Doing Work	
				Date Signed	

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information **2. Facility / Owner Information**

County Dane		WI Unique Well # of Removed Well (GP-6)		Hicap #		Facility Name USH 151 John Nolen-Williamson St Phase 2.5			
Latitude / Longitude (see instructions) 43.07582 ° N -89.37533 ° W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS)			
1/4 SE or Gov't Lot #		1/4 SW		Section 13	Township 7	Range 9	<input checked="" type="checkbox"/> E <input type="checkbox"/> W		
Well Street Address 410 S Blair St						Present Well Owner Wisconsin Department of Transportation			
Well City, Village or Town Madison				Well ZIP Code 53703		Mailing Address of Present Owner 4822 Madison Yards Way			
Subdivision Name				Lot #		City of Present Owner Madison		State WI	ZIP Code 53707

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service Borehole		WI Unique Well # of Replacement Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A					
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 07/30/2020		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain)					
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		If a Well Construction Report is available, please attach.		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft) 15.0		Casing Diameter (in.)		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Lower Drillhole Diameter (in.) 2.0		Casing Depth (ft.)		Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)? Depth to Water (feet)					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Hole Plug 3/8" Chips	Surface		0.22 cubic feet	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing On Site Environmental		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 07/30/2020	Date Received	Noted By
Street or Route PO Box 280			Telephone Number (608) 837-8992	Comments	
City Sun Prairie	State WI	ZIP Code 53590	Signature of Person Doing Work		Date Signed

Appendix E: Laboratory Analytical Reports

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-185839-1
Client Project/Site: 393855

For:

TRC Environmental Corporation.
708 Heartland Trail
Madison, Wisconsin 53717

Attn: Ted O'Connell



Authorized for release by:
8/21/2020 3:24:23 PM

Jim Knapp, Project Manager II
(630)758-0262

Jim.Knapp@Eurofinset.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660

sandie.fredrick@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Job ID: 500-185839-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-185839-1

Comments

No additional comments.

Receipt

The samples were received on 8/1/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1° C.

Receipt Exceptions

Container label for Sample#7 says field filtered. COC has "N" under Field Filtered (Y/N). Logged as field filtered-Dissolved metals analysis. Please confirm.

GC/MS VOA

Method 8260B: The extraction LCS associated with preparation batch 555087 had 1,2-Dibromo-3-chloropropane recovery below control limits. The instrument LCS associated with analytical batch 556034 had all recoveries within control. This analyte was non-detect in the samples; therefore re-analysis was not performed. The data have been reported and qualified.

GP-1 7.5-10 (500-185839-1), GP-2 2.5-5 (500-185839-2), GP-3 5-7.5 (500-185839-3), GP-4 7.5-10 (500-185839-4), GP-5 2.5-5 (500-185839-5), GP-6 2.5-5 (500-185839-6), Trip Blank (500-185839-8) and (LCS 500-555087/19-A)

Method 8260B: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: TW-4 (500-185839-7).

Method 8260B: The MSD (matrix spike duplicate) in batch 555810 was analyzed 11 minutes outside the method specified 12 hour tune time. (500-185839-A-7 MSD)

Method 8260B: The method blank for analytical batch 555803 contained Methylene Chloride above the Method detection limit (MDL) and below the reporting limit (RL). Methylene Chloride is a known lab contaminant. Methylene Chloride was non-detect in the samples; therefore, no re-analysis was done and the data has been reported.

Method 8260B: The method blank for analytical batch 555810 contained Methylene Chloride above the Method detection limit (MDL) and below the reporting limit (RL). Methylene Chloride is a known lab contaminant. Methylene Chloride was non-detect in the samples; therefore, no re-analysis was done and the data has been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 555810 were outside control limits for 1,2-Dibromo-3-chloropropane. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to the nature of the sample matrix: GP-1 7.5-10 (500-185839-1) and GP-2 2.5-5 (500-185839-2). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: GP-1 7.5-10 (500-185839-1) and GP-2 2.5-5 (500-185839-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample contained one acid surrogate outside acceptance limits: WASTE-1 (500-185839-10). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Case Narrative

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Job ID: 500-185839-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: Surrogate recovery for the following sample was outside the upper control limit: WASTE-1 (500-185839-10). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The matrix spike / matrix spike duplicate (MS/MSD) DCB Decachlorobiphenyl recoveries for preparation batch 500-556801 and analytical batch 500-556980 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8082A: The following samples required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: WASTE-1 (500-185839-10), (500-185839-C-10-F MS) and (500-185839-C-10-G MSD). The reagent lot number used was:260001.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Detection Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Lab Sample ID: 500-185839-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	20	J	24	14	ug/Kg	50	☼	8260B	Total/NA
Naphthalene	1000		96	32	ug/Kg	50	☼	8260B	Total/NA
p-Isopropyltoluene	46	J	96	35	ug/Kg	50	☼	8260B	Total/NA
Toluene	63		24	14	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	24	J	48	21	ug/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	2100		970	120	ug/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	1700		970	89	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	3800		480	87	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	1700		480	64	ug/Kg	10	☼	8270D	Total/NA
Anthracene	8600		480	81	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	20000		480	65	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	22000		480	93	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	26000		480	100	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	5900		480	160	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	13000		480	140	ug/Kg	10	☼	8270D	Total/NA
Chrysene	25000		480	130	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	1800		480	93	ug/Kg	10	☼	8270D	Total/NA
Fluorene	8600		480	68	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	6400		480	120	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	3100		480	74	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene - DL	56000		2400	450	ug/Kg	50	☼	8270D	Total/NA
Phenanthrene - DL	60000		2400	340	ug/Kg	50	☼	8270D	Total/NA
Pyrene - DL	73000		2400	480	ug/Kg	50	☼	8270D	Total/NA
Arsenic	14		1.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	62		1.3	0.15	mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.1		0.27	0.048	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.5	B	1.3	0.66	mg/Kg	1	☼	6010C	Total/NA
Lead	200		0.66	0.31	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.25		0.022	0.0073	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-2 2.5-5

Lab Sample ID: 500-185839-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	33		16	9.3	ug/Kg	50	☼	8260B	Total/NA
Ethylbenzene	12	J	16	12	ug/Kg	50	☼	8260B	Total/NA
Naphthalene	690		63	21	ug/Kg	50	☼	8260B	Total/NA
Toluene	68		16	9.3	ug/Kg	50	☼	8260B	Total/NA
1,2,4-Trimethylbenzene	49	J	63	23	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	94		32	14	ug/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	760	J	770	93	ug/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	1100		770	70	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	1000		380	68	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	8400		380	50	ug/Kg	10	☼	8270D	Total/NA
Anthracene	3900		380	63	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	14000		380	74	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	25000		380	82	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	5500		380	120	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	11000		380	110	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	2200		380	73	ug/Kg	10	☼	8270D	Total/NA
Fluorene	2000		380	53	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	5400		380	98	ug/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-2 2.5-5 (Continued)

Lab Sample ID: 500-185839-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2200		380	58	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene - DL	29000		1900	260	ug/Kg	50	☼	8270D	Total/NA
Chrysene - DL	31000		1900	520	ug/Kg	50	☼	8270D	Total/NA
Fluoranthene - DL	68000		1900	350	ug/Kg	50	☼	8270D	Total/NA
Phenanthrene - DL	40000		1900	260	ug/Kg	50	☼	8270D	Total/NA
Pyrene - DL	53000		1900	380	ug/Kg	50	☼	8270D	Total/NA
Arsenic	5.5		0.98	0.34	mg/Kg	1	☼	6010C	Total/NA
Barium	67		0.98	0.11	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.42		0.20	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	11	B	0.98	0.49	mg/Kg	1	☼	6010C	Total/NA
Lead	210		0.49	0.23	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.088		0.018	0.0060	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-3 5-7.5

Lab Sample ID: 500-185839-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	37	J	64	22	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	28	J	32	14	ug/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	41	J	75	9.0	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	40	J	75	6.8	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	31	J	37	6.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	33	J	37	4.9	ug/Kg	1	☼	8270D	Total/NA
Anthracene	110		37	6.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	310		37	5.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	370		37	7.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	490		37	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	190		37	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	160		37	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	360		37	10	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	47		37	7.1	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	660		37	6.9	ug/Kg	1	☼	8270D	Total/NA
Fluorene	47		37	5.2	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	180		37	9.6	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	51		37	5.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	520		37	5.2	ug/Kg	1	☼	8270D	Total/NA
Pyrene	730		37	7.3	ug/Kg	1	☼	8270D	Total/NA
Arsenic	2.4		1.1	0.36	mg/Kg	1	☼	6010C	Total/NA
Barium	50		1.1	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	3.1		0.21	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.5	B	1.1	0.52	mg/Kg	1	☼	6010C	Total/NA
Lead	58		0.53	0.24	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.097		0.018	0.0061	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-4 7.5-10

Lab Sample ID: 500-185839-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	13	J	83	10	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	11	J	83	7.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	47		41	7.4	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	14	J	41	5.4	ug/Kg	1	☼	8270D	Total/NA
Anthracene	280		41	6.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	310		41	5.5	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-4 7.5-10 (Continued)

Lab Sample ID: 500-185839-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	260		41	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	300		41	8.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	81		41	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	130		41	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	290		41	11	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	27	J	41	7.9	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	580		41	7.6	ug/Kg	1	☼	8270D	Total/NA
Fluorene	110		41	5.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	91		41	11	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	15	J	41	6.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	610		41	5.7	ug/Kg	1	☼	8270D	Total/NA
Pyrene	580		41	8.2	ug/Kg	1	☼	8270D	Total/NA
Arsenic	4.6		1.1	0.39	mg/Kg	1	☼	6010C	Total/NA
Barium	78		1.1	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.11	J	0.23	0.041	mg/Kg	1	☼	6010C	Total/NA
Chromium	10	B	1.1	0.56	mg/Kg	1	☼	6010C	Total/NA
Lead	52		0.57	0.26	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.23		0.020	0.0067	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	34	J	35	5.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	21	J	35	4.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	23	J	35	6.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	32	J	35	7.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	13	J	35	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	22	J	35	9.6	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	61		35	6.5	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	14	J	35	9.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	48		35	4.9	ug/Kg	1	☼	8270D	Total/NA
Pyrene	34	J	35	7.0	ug/Kg	1	☼	8270D	Total/NA
Arsenic	1.6		1.0	0.35	mg/Kg	1	☼	6010C	Total/NA
Barium	17		1.0	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.13	J	0.21	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	6.7	B	1.0	0.51	mg/Kg	1	☼	6010C	Total/NA
Lead	5.0		0.51	0.24	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.017		0.017	0.0056	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	30	J	34	6.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	30	J	34	4.8	ug/Kg	1	☼	8270D	Total/NA
Arsenic	0.70	J	0.98	0.33	mg/Kg	1	☼	6010C	Total/NA
Barium	2.7		0.98	0.11	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.097	J	0.20	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.5	B	0.98	0.48	mg/Kg	1	☼	6010C	Total/NA
Lead	1.5		0.49	0.23	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4

Lab Sample ID: 500-185839-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.33	J	0.50	0.15	ug/L	1		8260B	Total/NA
Anthracene	0.47	J	0.76	0.25	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	1.2		0.15	0.043	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	1.2		0.15	0.075	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	1.3		0.15	0.061	ug/L	1		8270D	Total/NA
Benzo[g,h,i]perylene	0.47	J	0.76	0.29	ug/L	1		8270D	Total/NA
Benzo[k]fluoranthene	0.49		0.15	0.049	ug/L	1		8270D	Total/NA
Chrysene	0.98		0.15	0.052	ug/L	1		8270D	Total/NA
Dibenz(a,h)anthracene	0.20	J	0.23	0.039	ug/L	1		8270D	Total/NA
Dibenzofuran	0.20	J	1.5	0.20	ug/L	1		8270D	Total/NA
Fluoranthene	2.0		0.76	0.35	ug/L	1		8270D	Total/NA
Fluorene	0.30	J	0.76	0.19	ug/L	1		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.50		0.15	0.057	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	0.17	J	1.5	0.050	ug/L	1		8270D	Total/NA
Naphthalene	0.35	J	0.76	0.23	ug/L	1		8270D	Total/NA
Phenanthrene	1.7		0.76	0.23	ug/L	1		8270D	Total/NA
Pyrene	1.9		0.76	0.32	ug/L	1		8270D	Total/NA
Arsenic	15		1.0	0.23	ug/L	1		6020A	Dissolved
Barium	230		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-8

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-9

No Detections.

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.77		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0099		0.0050	0.0020	mg/L	1		6010B	TCLP
Copper	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.83		0.050	0.0075	mg/L	1		6010B	TCLP
Nickel	0.035		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	2.7		0.10	0.020	mg/L	1		6010B	TCLP
Flashpoint	>176		99.0	99.0	Degrees F	1		1010A	Total/NA
Cyanide, Total	0.13	J	0.22	0.11	mg/Kg	1		9012B	Total/NA
pH	8.3		0.2	0.2	SU	1		9045C	Total/NA
Free Liquid	Pass				No Unit	1		9095B	Total/NA
Specific Gravity	2.0904				NONE	1		SM 2710F	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
WI-GRO	Wisconsin - Gasoline Range Organics (GC)	WI-GRO	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
WI-DRO	Wisconsin - Diesel Range Organics (GC)	WI-DRO	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010C	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
1010A	Ignitability, Pinsky-Martens Closed-Cup Method	SW846	TAL CHI
1664B	HEM and SGT-HEM	1664B	TAL CHI
9012B	Cyanide, Total and/or Amenable	SW846	TAL CHI
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095B	Paint Filter	SW846	TAL CHI
9251	Chlorine, Total	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL CHI
SM 2710F	Specific Gravity, Density	SM	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1664B	HEM and SGT-HEM (SPE)	1664B	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
5050	Bomb Preparation Method for Solid Waste	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010C	Cyanide, Distillation	SW846	TAL CHI
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	TAL CHI
WI DRO PREP	Wisconsin Extraction (Diesel Range Organics)	WI-DRO	TAL CHI
WI GRO	Closed System Purge and Trap	WI-GRO	TAL CHI

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-185839-1	GP-1 7.5-10	Solid	07/30/20 08:35	08/01/20 10:00	
500-185839-2	GP-2 2.5-5	Solid	07/30/20 09:00	08/01/20 10:00	
500-185839-3	GP-3 5-7.5	Solid	07/30/20 09:15	08/01/20 10:00	
500-185839-4	GP-4 7.5-10	Solid	07/30/20 09:45	08/01/20 10:00	
500-185839-5	GP-5 2.5-5	Solid	07/30/20 10:15	08/01/20 10:00	
500-185839-6	GP-6 2.5-5	Solid	07/30/20 10:30	08/01/20 10:00	
500-185839-7	TW-4	Water	07/30/20 10:40	08/01/20 10:00	
500-185839-8	Trip Blank	Solid	07/30/20 00:00	08/01/20 10:00	
500-185839-9	Trip Blank	Water	07/30/20 00:00	08/01/20 10:00	
500-185839-10	WASTE-1	Solid	07/30/20 11:00	08/01/20 10:00	

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Lab Sample ID: 500-185839-1

Date Collected: 07/30/20 08:35

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 68.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	20	J	24	14	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromobenzene	<34		96	34	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromochloromethane	<41		96	41	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromodichloromethane	<36		96	36	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromoform	<47		96	47	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromomethane	<77		290	77	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Carbon tetrachloride	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Chlorobenzene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Chloroethane	<49		96	49	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Chloroform	<36		190	36	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Chloromethane	<31		96	31	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
2-Chlorotoluene	<30		96	30	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
4-Chlorotoluene	<34		96	34	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
cis-1,2-Dichloroethene	<39		96	39	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
cis-1,3-Dichloropropene	<40		96	40	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Dibromochloromethane	<47		96	47	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dibromo-3-Chloropropane	<190	*	480	190	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dibromoethane	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Dibromomethane	<26		96	26	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dichlorobenzene	<32		96	32	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,3-Dichlorobenzene	<39		96	39	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,4-Dichlorobenzene	<35		96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Dichlorodifluoromethane	<65		290	65	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1-Dichloroethane	<40		96	40	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dichloroethane	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1-Dichloroethene	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dichloropropane	<41		96	41	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,3-Dichloropropane	<35		96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
2,2-Dichloropropane	<43		96	43	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1-Dichloropropene	<29		96	29	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Ethylbenzene	<18		24	18	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Hexachlorobutadiene	<43		96	43	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Isopropylbenzene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Isopropyl ether	<27		96	27	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Methylene Chloride	<160		480	160	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Methyl tert-butyl ether	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Naphthalene	1000		96	32	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
n-Butylbenzene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
N-Propylbenzene	<40		96	40	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
p-Isopropyltoluene	46	J	96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
sec-Butylbenzene	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Styrene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
tert-Butylbenzene	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1,1,2-Tetrachloroethane	<45		96	45	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1,2,2-Tetrachloroethane	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Tetrachloroethene	<36		96	36	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Toluene	63		24	14	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
trans-1,2-Dichloroethene	<34		96	34	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
trans-1,3-Dichloropropene	<35		96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Lab Sample ID: 500-185839-1

Date Collected: 07/30/20 08:35

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 68.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<44		96	44	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2,4-Trichlorobenzene	<33		96	33	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1,1-Trichloroethane	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1,2-Trichloroethane	<34		96	34	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Trichloroethene	<16		48	16	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Trichlorofluoromethane	<41		96	41	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2,3-Trichloropropane	<40		190	40	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2,4-Trimethylbenzene	<35		96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,3,5-Trimethylbenzene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Vinyl chloride	<25		96	25	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Xylenes, Total	24	J	48	21	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		72 - 124	07/30/20 08:35	08/07/20 13:55	50
Dibromofluoromethane (Surr)	90		75 - 120	07/30/20 08:35	08/07/20 13:55	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126	07/30/20 08:35	08/07/20 13:55	50
Toluene-d8 (Surr)	96		75 - 120	07/30/20 08:35	08/07/20 13:55	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	2100		970	120	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
2-Methylnaphthalene	1700		970	89	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Acenaphthene	3800		480	87	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Acenaphthylene	1700		480	64	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Anthracene	8600		480	81	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[a]anthracene	20000		480	65	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[a]pyrene	22000		480	93	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[b]fluoranthene	26000		480	100	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[g,h,i]perylene	5900		480	160	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[k]fluoranthene	13000		480	140	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Chrysene	25000		480	130	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Dibenz(a,h)anthracene	1800		480	93	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Fluorene	8600		480	68	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Indeno[1,2,3-cd]pyrene	6400		480	120	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Naphthalene	3100		480	74	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		43 - 145	08/12/20 07:29	08/13/20 04:35	10
Nitrobenzene-d5 (Surr)	48		37 - 147	08/12/20 07:29	08/13/20 04:35	10
Terphenyl-d14 (Surr)	56		42 - 157	08/12/20 07:29	08/13/20 04:35	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	56000		2400	450	ug/Kg	☼	08/12/20 07:29	08/13/20 18:59	50
Phenanthrene	60000		2400	340	ug/Kg	☼	08/12/20 07:29	08/13/20 18:59	50
Pyrene	73000		2400	480	ug/Kg	☼	08/12/20 07:29	08/13/20 18:59	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	D	43 - 145	08/12/20 07:29	08/13/20 18:59	50
Nitrobenzene-d5 (Surr)	0	D	37 - 147	08/12/20 07:29	08/13/20 18:59	50
Terphenyl-d14 (Surr)	0	D	42 - 157	08/12/20 07:29	08/13/20 18:59	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Lab Sample ID: 500-185839-1

Date Collected: 07/30/20 08:35

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 68.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		1.3	0.45	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Barium	62		1.3	0.15	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Cadmium	1.1		0.27	0.048	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Chromium	7.5	B	1.3	0.66	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Lead	200		0.66	0.31	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Selenium	<0.78		1.3	0.78	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Silver	<0.17		0.66	0.17	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.022	0.0073	mg/Kg	☼	08/12/20 13:10	08/13/20 08:19	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-2 2.5-5

Lab Sample ID: 500-185839-2

Date Collected: 07/30/20 09:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	33		16	9.3	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromobenzene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromochloromethane	<27		63	27	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromodichloromethane	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromoform	<31		63	31	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromomethane	<51		190	51	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Carbon tetrachloride	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Chlorobenzene	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Chloroethane	<32		63	32	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Chloroform	<23		130	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Chloromethane	<20		63	20	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
2-Chlorotoluene	<20		63	20	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
4-Chlorotoluene	<22		63	22	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
cis-1,2-Dichloroethene	<26		63	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
cis-1,3-Dichloropropene	<26		63	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Dibromochloromethane	<31		63	31	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dibromo-3-Chloropropane	<130 *		320	130	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dibromoethane	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Dibromomethane	<17		63	17	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dichlorobenzene	<21		63	21	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,3-Dichlorobenzene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,4-Dichlorobenzene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Dichlorodifluoromethane	<43		190	43	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1-Dichloroethane	<26		63	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dichloroethane	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1-Dichloroethene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dichloropropane	<27		63	27	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,3-Dichloropropane	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
2,2-Dichloropropane	<28		63	28	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1-Dichloropropene	<19		63	19	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Ethylbenzene	12 J		16	12	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Hexachlorobutadiene	<28		63	28	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Isopropylbenzene	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Isopropyl ether	<18		63	18	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Methylene Chloride	<100		320	100	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Methyl tert-butyl ether	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Naphthalene	690		63	21	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
n-Butylbenzene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
N-Propylbenzene	<26		63	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
p-Isopropyltoluene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
sec-Butylbenzene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Styrene	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
tert-Butylbenzene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1,1,2-Tetrachloroethane	<29		63	29	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1,1,2,2-Tetrachloroethane	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Tetrachloroethene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Toluene	68		16	9.3	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
trans-1,2-Dichloroethene	<22		63	22	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
trans-1,3-Dichloropropene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-2 2.5-5

Lab Sample ID: 500-185839-2

Date Collected: 07/30/20 09:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<29		63	29	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2,4-Trichlorobenzene	<22		63	22	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1,1-Trichloroethane	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1,2-Trichloroethane	<22		63	22	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Trichloroethene	<10		32	10	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Trichlorofluoromethane	<27		63	27	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2,3-Trichloropropane	<26		130	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2,4-Trimethylbenzene	49	J	63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,3,5-Trimethylbenzene	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Vinyl chloride	<17		63	17	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Xylenes, Total	94		32	14	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124	07/30/20 09:00	08/07/20 14:20	50
Dibromofluoromethane (Surr)	90		75 - 120	07/30/20 09:00	08/07/20 14:20	50
1,2-Dichloroethane-d4 (Surr)	98		75 - 126	07/30/20 09:00	08/07/20 14:20	50
Toluene-d8 (Surr)	98		75 - 120	07/30/20 09:00	08/07/20 14:20	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	760	J	770	93	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
2-Methylnaphthalene	1100		770	70	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Acenaphthene	1000		380	68	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Acenaphthylene	8400		380	50	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Anthracene	3900		380	63	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Benzo[a]pyrene	14000		380	74	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Benzo[b]fluoranthene	25000		380	82	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Benzo[g,h,i]perylene	5500		380	120	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Benzo[k]fluoranthene	11000		380	110	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Dibenz(a,h)anthracene	2200		380	73	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Fluorene	2000		380	53	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Indeno[1,2,3-cd]pyrene	5400		380	98	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Naphthalene	2200		380	58	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		43 - 145	08/12/20 07:29	08/13/20 05:01	10
Nitrobenzene-d5 (Surr)	55		37 - 147	08/12/20 07:29	08/13/20 05:01	10
Terphenyl-d14 (Surr)	64		42 - 157	08/12/20 07:29	08/13/20 05:01	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	29000		1900	260	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Chrysene	31000		1900	520	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Fluoranthene	68000		1900	350	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Phenanthrene	40000		1900	260	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Pyrene	53000		1900	380	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	D	43 - 145	08/12/20 07:29	08/13/20 19:23	50
Nitrobenzene-d5 (Surr)	0	D	37 - 147	08/12/20 07:29	08/13/20 19:23	50
Terphenyl-d14 (Surr)	0	D	42 - 157	08/12/20 07:29	08/13/20 19:23	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-2 2.5-5

Lab Sample ID: 500-185839-2

Date Collected: 07/30/20 09:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		0.98	0.34	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Barium	67		0.98	0.11	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Cadmium	0.42		0.20	0.035	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Chromium	11	B	0.98	0.49	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Lead	210		0.49	0.23	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Selenium	<0.58		0.98	0.58	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Silver	<0.13		0.49	0.13	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088		0.018	0.0060	mg/Kg	☼	08/12/20 13:10	08/13/20 08:32	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-3 5-7.5

Lab Sample ID: 500-185839-3

Date Collected: 07/30/20 09:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.4		16	9.4	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromobenzene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromochloromethane	<28		64	28	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromodichloromethane	<24		64	24	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromoform	<31		64	31	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromomethane	<51		190	51	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Carbon tetrachloride	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Chlorobenzene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Chloroethane	<32		64	32	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Chloroform	<24		130	24	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Chloromethane	<21		64	21	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
2-Chlorotoluene	<20		64	20	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
4-Chlorotoluene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
cis-1,2-Dichloroethene	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
cis-1,3-Dichloropropene	<27		64	27	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Dibromochloromethane	<31		64	31	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dibromo-3-Chloropropane	<130 *		320	130	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dibromoethane	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Dibromomethane	<17		64	17	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dichlorobenzene	<22		64	22	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,3-Dichlorobenzene	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,4-Dichlorobenzene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Dichlorodifluoromethane	<43		190	43	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1-Dichloroethane	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dichloroethane	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1-Dichloroethene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dichloropropane	<28		64	28	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,3-Dichloropropane	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
2,2-Dichloropropane	<29		64	29	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1-Dichloropropene	<19		64	19	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Ethylbenzene	<12		16	12	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Hexachlorobutadiene	<29		64	29	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Isopropylbenzene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Isopropyl ether	<18		64	18	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Methylene Chloride	<110		320	110	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Methyl tert-butyl ether	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Naphthalene	37 J		64	22	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
n-Butylbenzene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
N-Propylbenzene	<27		64	27	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
p-Isopropyltoluene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
sec-Butylbenzene	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Styrene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
tert-Butylbenzene	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1,1,2-Tetrachloroethane	<30		64	30	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1,1,2,2-Tetrachloroethane	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Tetrachloroethene	<24		64	24	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Toluene	<9.5		16	9.5	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
trans-1,2-Dichloroethene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
trans-1,3-Dichloropropene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-3 5-7.5

Lab Sample ID: 500-185839-3

Date Collected: 07/30/20 09:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		64	30	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2,4-Trichlorobenzene	<22		64	22	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1,1-Trichloroethane	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1,2-Trichloroethane	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Trichloroethene	<11		32	11	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Trichlorofluoromethane	<28		64	28	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2,3-Trichloropropane	<27		130	27	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2,4-Trimethylbenzene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,3,5-Trimethylbenzene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Vinyl chloride	<17		64	17	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Xylenes, Total	28	J	32	14	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124	07/30/20 09:15	08/07/20 14:45	50
Dibromofluoromethane (Surr)	92		75 - 120	07/30/20 09:15	08/07/20 14:45	50
1,2-Dichloroethane-d4 (Surr)	99		75 - 126	07/30/20 09:15	08/07/20 14:45	50
Toluene-d8 (Surr)	95		75 - 120	07/30/20 09:15	08/07/20 14:45	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	41	J	75	9.0	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
2-Methylnaphthalene	40	J	75	6.8	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Acenaphthene	31	J	37	6.6	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Acenaphthylene	33	J	37	4.9	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Anthracene	110		37	6.2	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[a]anthracene	310		37	5.0	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[a]pyrene	370		37	7.2	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[b]fluoranthene	490		37	8.0	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[g,h,i]perylene	190		37	12	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[k]fluoranthene	160		37	11	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Chrysene	360		37	10	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Dibenz(a,h)anthracene	47		37	7.1	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Fluoranthene	660		37	6.9	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Fluorene	47		37	5.2	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Indeno[1,2,3-cd]pyrene	180		37	9.6	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Naphthalene	51		37	5.7	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Phenanthrene	520		37	5.2	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Pyrene	730		37	7.3	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		43 - 145	08/12/20 07:29	08/12/20 21:39	1
Nitrobenzene-d5 (Surr)	87		37 - 147	08/12/20 07:29	08/12/20 21:39	1
Terphenyl-d14 (Surr)	88		42 - 157	08/12/20 07:29	08/12/20 21:39	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		1.1	0.36	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Barium	50		1.1	0.12	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Cadmium	3.1		0.21	0.038	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Chromium	7.5	B	1.1	0.52	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-3 5-7.5

Lab Sample ID: 500-185839-3

Date Collected: 07/30/20 09:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 87.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	58		0.53	0.24	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Selenium	<0.62		1.1	0.62	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Silver	<0.14		0.53	0.14	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.097		0.018	0.0061	mg/Kg	☼	08/12/20 13:10	08/13/20 08:34	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-4 7.5-10

Lab Sample ID: 500-185839-4

Date Collected: 07/30/20 09:45

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 79.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		19	11	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromobenzene	<26		74	26	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromochloromethane	<32		74	32	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromodichloromethane	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromoform	<36		74	36	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromomethane	<59		220	59	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Carbon tetrachloride	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Chlorobenzene	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Chloroethane	<37		74	37	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Chloroform	<27		150	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Chloromethane	<24		74	24	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
2-Chlorotoluene	<23		74	23	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
4-Chlorotoluene	<26		74	26	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
cis-1,2-Dichloroethene	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
cis-1,3-Dichloropropene	<31		74	31	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Dibromochloromethane	<36		74	36	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dibromo-3-Chloropropane	<150 *		370	150	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dibromoethane	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Dibromomethane	<20		74	20	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dichlorobenzene	<25		74	25	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,3-Dichlorobenzene	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,4-Dichlorobenzene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Dichlorodifluoromethane	<50		220	50	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1-Dichloroethane	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dichloroethane	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1-Dichloroethene	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dichloropropane	<32		74	32	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,3-Dichloropropane	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
2,2-Dichloropropane	<33		74	33	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1-Dichloropropene	<22		74	22	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Ethylbenzene	<14		19	14	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Hexachlorobutadiene	<33		74	33	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Isopropylbenzene	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Isopropyl ether	<20		74	20	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Methylene Chloride	<120		370	120	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Methyl tert-butyl ether	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Naphthalene	<25		74	25	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
n-Butylbenzene	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
N-Propylbenzene	<31		74	31	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
p-Isopropyltoluene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
sec-Butylbenzene	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Styrene	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
tert-Butylbenzene	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1,1,2-Tetrachloroethane	<34		74	34	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1,2,2-Tetrachloroethane	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Tetrachloroethene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Toluene	<11		19	11	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
trans-1,2-Dichloroethene	<26		74	26	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
trans-1,3-Dichloropropene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-4 7.5-10

Lab Sample ID: 500-185839-4

Date Collected: 07/30/20 09:45

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 79.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<34		74	34	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2,4-Trichlorobenzene	<25		74	25	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1,1-Trichloroethane	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1,2-Trichloroethane	<26		74	26	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Trichloroethene	<12		37	12	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Trichlorofluoromethane	<32		74	32	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2,3-Trichloropropane	<31		150	31	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2,4-Trimethylbenzene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,3,5-Trimethylbenzene	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Vinyl chloride	<19		74	19	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Xylenes, Total	<16		37	16	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		72 - 124				07/30/20 09:45	08/07/20 15:35	50
Dibromofluoromethane (Surr)	91		75 - 120				07/30/20 09:45	08/07/20 15:35	50
1,2-Dichloroethane-d4 (Surr)	99		75 - 126				07/30/20 09:45	08/07/20 15:35	50
Toluene-d8 (Surr)	98		75 - 120				07/30/20 09:45	08/07/20 15:35	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	13	J	83	10	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
2-Methylnaphthalene	11	J	83	7.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Acenaphthene	47		41	7.4	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Acenaphthylene	14	J	41	5.4	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Anthracene	280		41	6.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[a]anthracene	310		41	5.5	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[a]pyrene	260		41	8.0	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[b]fluoranthene	300		41	8.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[g,h,i]perylene	81		41	13	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[k]fluoranthene	130		41	12	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Chrysene	290		41	11	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Dibenz(a,h)anthracene	27	J	41	7.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Fluoranthene	580		41	7.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Fluorene	110		41	5.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Indeno[1,2,3-cd]pyrene	91		41	11	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Naphthalene	15	J	41	6.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Phenanthrene	610		41	5.7	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Pyrene	580		41	8.2	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		43 - 145				08/12/20 07:29	08/12/20 22:05	1
Nitrobenzene-d5 (Surr)	94		37 - 147				08/12/20 07:29	08/12/20 22:05	1
Terphenyl-d14 (Surr)	101		42 - 157				08/12/20 07:29	08/12/20 22:05	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6		1.1	0.39	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Barium	78		1.1	0.13	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Cadmium	0.11	J	0.23	0.041	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Chromium	10	B	1.1	0.56	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1

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Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-4 7.5-10

Lab Sample ID: 500-185839-4

Date Collected: 07/30/20 09:45

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 79.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	52		0.57	0.26	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Selenium	<0.67		1.1	0.67	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Silver	<0.15		0.57	0.15	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.020	0.0067	mg/Kg	☼	08/12/20 13:10	08/13/20 08:36	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Date Collected: 07/30/20 10:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 93.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromobenzene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromochloromethane	<25		59	25	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromodichloromethane	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromoform	<29		59	29	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromomethane	<47		180	47	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Carbon tetrachloride	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Chlorobenzene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Chloroethane	<30		59	30	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Chloroform	<22		120	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Chloromethane	<19		59	19	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
2-Chlorotoluene	<19		59	19	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
4-Chlorotoluene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
cis-1,2-Dichloroethene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
cis-1,3-Dichloropropene	<25		59	25	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Dibromochloromethane	<29		59	29	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dibromo-3-Chloropropane	<120 *		300	120	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dibromoethane	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Dibromomethane	<16		59	16	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dichlorobenzene	<20		59	20	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,3-Dichlorobenzene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,4-Dichlorobenzene	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Dichlorodifluoromethane	<40		180	40	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1-Dichloroethane	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dichloroethane	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1-Dichloroethene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dichloropropane	<25		59	25	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,3-Dichloropropane	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
2,2-Dichloropropane	<26		59	26	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1-Dichloropropene	<18		59	18	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Ethylbenzene	<11		15	11	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Hexachlorobutadiene	<26		59	26	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Isopropylbenzene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Isopropyl ether	<16		59	16	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Methylene Chloride	<96		300	96	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Naphthalene	<20		59	20	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
n-Butylbenzene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
N-Propylbenzene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
p-Isopropyltoluene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
sec-Butylbenzene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Styrene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
tert-Butylbenzene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1,1,2-Tetrachloroethane	<27		59	27	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1,1,2,2-Tetrachloroethane	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Tetrachloroethene	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Toluene	<8.7		15	8.7	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
trans-1,2-Dichloroethene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
trans-1,3-Dichloropropene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Date Collected: 07/30/20 10:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 93.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<27		59	27	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2,4-Trichlorobenzene	<20		59	20	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1,1-Trichloroethane	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1,2-Trichloroethane	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Trichloroethene	<9.7		30	9.7	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Trichlorofluoromethane	<25		59	25	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2,3-Trichloropropane	<24		120	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Vinyl chloride	<15		59	15	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Xylenes, Total	<13		30	13	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		72 - 124	07/30/20 10:15	08/07/20 16:01	50
Dibromofluoromethane (Surr)	89		75 - 120	07/30/20 10:15	08/07/20 16:01	50
1,2-Dichloroethane-d4 (Surr)	98		75 - 126	07/30/20 10:15	08/07/20 16:01	50
Toluene-d8 (Surr)	99		75 - 120	07/30/20 10:15	08/07/20 16:01	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.6		71	8.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
2-Methylnaphthalene	<6.5		71	6.5	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Acenaphthene	<6.3		35	6.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Acenaphthylene	<4.6		35	4.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Anthracene	34	J	35	5.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[a]anthracene	21	J	35	4.7	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[a]pyrene	23	J	35	6.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[b]fluoranthene	32	J	35	7.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[g,h,i]perylene	13	J	35	11	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Chrysene	22	J	35	9.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Dibenz(a,h)anthracene	<6.8		35	6.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Fluoranthene	61		35	6.5	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Fluorene	<4.9		35	4.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Indeno[1,2,3-cd]pyrene	14	J	35	9.1	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Naphthalene	<5.4		35	5.4	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Phenanthrene	48		35	4.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Pyrene	34	J	35	7.0	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		43 - 145	08/12/20 07:29	08/12/20 22:31	1
Nitrobenzene-d5 (Surr)	77		37 - 147	08/12/20 07:29	08/12/20 22:31	1
Terphenyl-d14 (Surr)	82		42 - 157	08/12/20 07:29	08/12/20 22:31	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C5-C10)	<0.58		1.7	0.58	mg/Kg	☼	07/30/20 10:15	08/12/20 22:39	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Date Collected: 07/30/20 10:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 93.1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	<1.5		3.7	1.5	mg/Kg	☼	08/07/20 09:40	08/10/20 10:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Nonane	76		44 - 148				08/07/20 09:40	08/10/20 10:42	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		1.0	0.35	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Barium	17		1.0	0.12	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Cadmium	0.13	J	0.21	0.037	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Chromium	6.7	B	1.0	0.51	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Lead	5.0		0.51	0.24	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Selenium	<0.60		1.0	0.60	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Silver	<0.13		0.51	0.13	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017		0.017	0.0056	mg/Kg	☼	08/12/20 13:10	08/13/20 08:38	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 96.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.7		13	7.7	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromobenzene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromochloromethane	<23		53	23	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromodichloromethane	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromoform	<26		53	26	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromomethane	<42		160	42	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Carbon tetrachloride	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Chlorobenzene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Chloroethane	<27		53	27	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Chloroform	<20		110	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Chloromethane	<17		53	17	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
2-Chlorotoluene	<17		53	17	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
4-Chlorotoluene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
cis-1,2-Dichloroethene	<22		53	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
cis-1,3-Dichloropropene	<22		53	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Dibromochloromethane	<26		53	26	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dibromo-3-Chloropropane	<110 *		260	110	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dibromoethane	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Dibromomethane	<14		53	14	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dichlorobenzene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,3-Dichlorobenzene	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,4-Dichlorobenzene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Dichlorodifluoromethane	<36		160	36	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1-Dichloroethane	<22		53	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dichloroethane	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1-Dichloroethene	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dichloropropane	<23		53	23	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,3-Dichloropropane	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
2,2-Dichloropropane	<23		53	23	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1-Dichloropropene	<16		53	16	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Ethylbenzene	<9.7		13	9.7	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Hexachlorobutadiene	<24		53	24	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Isopropylbenzene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Isopropyl ether	<15		53	15	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Methylene Chloride	<86		260	86	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Methyl tert-butyl ether	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Naphthalene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
n-Butylbenzene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
N-Propylbenzene	<22		53	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
p-Isopropyltoluene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
sec-Butylbenzene	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Styrene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
tert-Butylbenzene	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1,1,2-Tetrachloroethane	<24		53	24	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1,2,2-Tetrachloroethane	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Tetrachloroethene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Toluene	<7.8		13	7.8	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
trans-1,2-Dichloroethene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
trans-1,3-Dichloropropene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 96.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<24		53	24	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2,4-Trichlorobenzene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1,1-Trichloroethane	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1,2-Trichloroethane	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Trichloroethene	<8.7		26	8.7	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Trichlorofluoromethane	<23		53	23	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2,3-Trichloropropane	<22		110	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2,4-Trimethylbenzene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,3,5-Trimethylbenzene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Vinyl chloride	<14		53	14	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Xylenes, Total	<12		26	12	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124				07/30/20 10:30	08/07/20 16:26	50
Dibromofluoromethane (Surr)	91		75 - 120				07/30/20 10:30	08/07/20 16:26	50
1,2-Dichloroethane-d4 (Surr)	98		75 - 126				07/30/20 10:30	08/07/20 16:26	50
Toluene-d8 (Surr)	96		75 - 120				07/30/20 10:30	08/07/20 16:26	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.3		69	8.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
2-Methylnaphthalene	<6.3		69	6.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Acenaphthene	<6.1		34	6.1	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Acenaphthylene	<4.5		34	4.5	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Anthracene	<5.7		34	5.7	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[a]anthracene	<4.6		34	4.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[a]pyrene	<6.6		34	6.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[b]fluoranthene	<7.4		34	7.4	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[g,h,i]perylene	<11		34	11	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Chrysene	<9.3		34	9.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Dibenz(a,h)anthracene	<6.6		34	6.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Fluoranthene	30	J	34	6.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Fluorene	<4.8		34	4.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Indeno[1,2,3-cd]pyrene	<8.8		34	8.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Naphthalene	<5.2		34	5.2	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Phenanthrene	30	J	34	4.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Pyrene	<6.8		34	6.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		43 - 145				08/12/20 07:29	08/12/20 22:58	1
Nitrobenzene-d5 (Surr)	69		37 - 147				08/12/20 07:29	08/12/20 22:58	1
Terphenyl-d14 (Surr)	84		42 - 157				08/12/20 07:29	08/12/20 22:58	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.70	J	0.98	0.33	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Barium	2.7		0.98	0.11	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Cadmium	0.097	J	0.20	0.035	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Chromium	5.5	B	0.98	0.48	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 96.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		0.49	0.23	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Selenium	<0.58		0.98	0.58	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Silver	<0.13		0.49	0.13	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0054		0.016	0.0054	mg/Kg	☼	08/12/20 13:10	08/13/20 08:40	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4
Date Collected: 07/30/20 10:40
Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/07/20 13:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/07/20 13:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/07/20 13:30	1
Bromoform	<0.48		1.0	0.48	ug/L			08/07/20 13:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/07/20 13:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/07/20 13:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/07/20 13:30	1
Chloroform	<0.37		2.0	0.37	ug/L			08/07/20 13:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/07/20 13:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/07/20 13:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/07/20 13:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/07/20 13:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/07/20 13:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/07/20 13:30	1
1,2-Dibromo-3-Chloropropane	<2.0 *		5.0	2.0	ug/L			08/07/20 13:30	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/07/20 13:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/07/20 13:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/07/20 13:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/07/20 13:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/07/20 13:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/07/20 13:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/07/20 13:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/07/20 13:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/07/20 13:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/07/20 13:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/07/20 13:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/07/20 13:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/07/20 13:30	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:30	1
Styrene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/07/20 13:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/07/20 13:30	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/07/20 13:30	1
Toluene	0.33 J		0.50	0.15	ug/L			08/07/20 13:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/07/20 13:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4
Date Collected: 07/30/20 10:40
Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/07/20 13:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/07/20 13:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/07/20 13:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/07/20 13:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/07/20 13:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/07/20 13:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/07/20 13:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/07/20 13:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/07/20 13:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/07/20 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124					08/07/20 13:30	1
Dibromofluoromethane (Surr)	98		75 - 120					08/07/20 13:30	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126					08/07/20 13:30	1
Toluene-d8 (Surr)	99		75 - 120					08/07/20 13:30	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.23		0.76	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
Acenaphthylene	<0.20		0.76	0.20	ug/L		08/06/20 07:28	08/07/20 03:23	1
Anthracene	0.47	J	0.76	0.25	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[a]anthracene	1.2		0.15	0.043	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[a]pyrene	1.2		0.15	0.075	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[b]fluoranthene	1.3		0.15	0.061	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[g,h,i]perylene	0.47	J	0.76	0.29	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzoic acid	<4.4		15	4.4	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[k]fluoranthene	0.49		0.15	0.049	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzyl alcohol	<4.6		15	4.6	ug/L		08/06/20 07:28	08/07/20 03:23	1
Bis(2-chloroethoxy)methane	<0.22		1.5	0.22	ug/L		08/06/20 07:28	08/07/20 03:23	1
Bis(2-chloroethyl)ether	<0.22		1.5	0.22	ug/L		08/06/20 07:28	08/07/20 03:23	1
Bis(2-ethylhexyl) phthalate	<1.3		7.6	1.3	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Bromophenyl phenyl ether	<0.41		3.8	0.41	ug/L		08/06/20 07:28	08/07/20 03:23	1
Butyl benzyl phthalate	<0.37		1.5	0.37	ug/L		08/06/20 07:28	08/07/20 03:23	1
Carbazole	<0.27		3.8	0.27	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Chloroaniline	<1.5		7.6	1.5	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Chloro-3-methylphenol	<1.7		7.6	1.7	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Chloronaphthalene	<0.18		1.5	0.18	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Chlorophenol	<0.42		3.8	0.42	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Chlorophenyl phenyl ether	<0.48		3.8	0.48	ug/L		08/06/20 07:28	08/07/20 03:23	1
Chrysene	0.98		0.15	0.052	ug/L		08/06/20 07:28	08/07/20 03:23	1
Dibenz(a,h)anthracene	0.20	J	0.23	0.039	ug/L		08/06/20 07:28	08/07/20 03:23	1
Dibenzofuran	0.20	J	1.5	0.20	ug/L		08/06/20 07:28	08/07/20 03:23	1
1,2-Dichlorobenzene	<0.19		1.5	0.19	ug/L		08/06/20 07:28	08/07/20 03:23	1
1,3-Dichlorobenzene	<0.16		1.5	0.16	ug/L		08/06/20 07:28	08/07/20 03:23	1
1,4-Dichlorobenzene	<0.16		1.5	0.16	ug/L		08/06/20 07:28	08/07/20 03:23	1
3,3'-Dichlorobenzidine	<1.3		3.8	1.3	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4-Dichlorophenol	<2.0		7.6	2.0	ug/L		08/06/20 07:28	08/07/20 03:23	1
Diethyl phthalate	<0.27		3.8	0.27	ug/L		08/06/20 07:28	08/07/20 03:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4
Date Collected: 07/30/20 10:40
Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<1.4		7.6	1.4	ug/L		08/06/20 07:28	08/07/20 03:23	1
Dimethyl phthalate	<0.24		3.8	0.24	ug/L		08/06/20 07:28	08/07/20 03:23	1
Di-n-butyl phthalate	<0.56		3.8	0.56	ug/L		08/06/20 07:28	08/07/20 03:23	1
4,6-Dinitro-2-methylphenol	<4.5		15	4.5	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4-Dinitrophenol	<6.5		15	6.5	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4-Dinitrotoluene	<0.19		0.76	0.19	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,6-Dinitrotoluene	<0.056		0.76	0.056	ug/L		08/06/20 07:28	08/07/20 03:23	1
Di-n-octyl phthalate	<0.80		7.6	0.80	ug/L		08/06/20 07:28	08/07/20 03:23	1
Fluoranthene	2.0		0.76	0.35	ug/L		08/06/20 07:28	08/07/20 03:23	1
Fluorene	0.30	J	0.76	0.19	ug/L		08/06/20 07:28	08/07/20 03:23	1
Hexachlorobenzene	<0.060		0.38	0.060	ug/L		08/06/20 07:28	08/07/20 03:23	1
Hexachlorobutadiene	<0.39		3.8	0.39	ug/L		08/06/20 07:28	08/07/20 03:23	1
Hexachlorocyclopentadiene	<4.8		15	4.8	ug/L		08/06/20 07:28	08/07/20 03:23	1
Hexachloroethane	<0.46		3.8	0.46	ug/L		08/06/20 07:28	08/07/20 03:23	1
Indeno[1,2,3-cd]pyrene	0.50		0.15	0.057	ug/L		08/06/20 07:28	08/07/20 03:23	1
Isophorone	<0.29		1.5	0.29	ug/L		08/06/20 07:28	08/07/20 03:23	1
1-Methylnaphthalene	<0.23		1.5	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Methylnaphthalene	0.17	J	1.5	0.050	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Methylphenol	<0.23		1.5	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
3 & 4 Methylphenol	<0.34		1.5	0.34	ug/L		08/06/20 07:28	08/07/20 03:23	1
Naphthalene	0.35	J	0.76	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Nitroaniline	<0.98		3.8	0.98	ug/L		08/06/20 07:28	08/07/20 03:23	1
3-Nitroaniline	<1.4		7.6	1.4	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Nitroaniline	<1.3		7.6	1.3	ug/L		08/06/20 07:28	08/07/20 03:23	1
Nitrobenzene	<0.34		0.76	0.34	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Nitrophenol	<1.9		7.6	1.9	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Nitrophenol	<5.6		15	5.6	ug/L		08/06/20 07:28	08/07/20 03:23	1
N-Nitrosodi-n-propylamine	<0.12		0.38	0.12	ug/L		08/06/20 07:28	08/07/20 03:23	1
N-Nitrosodiphenylamine	<0.28		1.5	0.28	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,2'-oxybis[1-chloropropane]	<0.29		1.5	0.29	ug/L		08/06/20 07:28	08/07/20 03:23	1
Pentachlorophenol	<3.0		15	3.0	ug/L		08/06/20 07:28	08/07/20 03:23	1
Phenanthrene	1.7		0.76	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
Phenol	<0.51		3.8	0.51	ug/L		08/06/20 07:28	08/07/20 03:23	1
Pyrene	1.9		0.76	0.32	ug/L		08/06/20 07:28	08/07/20 03:23	1
1,2,4-Trichlorobenzene	<0.18		1.5	0.18	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4,5-Trichlorophenol	<1.9		7.6	1.9	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4,6-Trichlorophenol	<0.54		3.8	0.54	ug/L		08/06/20 07:28	08/07/20 03:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		34 - 110	08/06/20 07:28	08/07/20 03:23	1
2-Fluorophenol (Surr)	84		27 - 110	08/06/20 07:28	08/07/20 03:23	1
Nitrobenzene-d5 (Surr)	98		36 - 120	08/06/20 07:28	08/07/20 03:23	1
Phenol-d5 (Surr)	60		20 - 110	08/06/20 07:28	08/07/20 03:23	1
Terphenyl-d14 (Surr)	119		40 - 145	08/06/20 07:28	08/07/20 03:23	1
2,4,6-Tribromophenol (Surr)	104		40 - 145	08/06/20 07:28	08/07/20 03:23	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		1.0	0.23	ug/L		08/04/20 17:41	08/05/20 16:47	1
Barium	230		2.5	0.73	ug/L		08/04/20 17:41	08/05/20 16:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4

Lab Sample ID: 500-185839-7

Date Collected: 07/30/20 10:40

Matrix: Water

Date Received: 08/01/20 10:00

Method: 6020A - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.17		0.50	0.17	ug/L		08/04/20 17:41	08/05/20 16:47	1
Chromium	<1.1		5.0	1.1	ug/L		08/04/20 17:41	08/05/20 16:47	1
Lead	<0.19		0.50	0.19	ug/L		08/04/20 17:41	08/05/20 16:47	1
Selenium	<0.98		2.5	0.98	ug/L		08/04/20 17:41	08/05/20 16:47	1
Silver	<0.12		0.50	0.12	ug/L		08/04/20 17:41	08/05/20 16:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/11/20 09:45	08/12/20 08:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	<1.5		5.6	1.5	mg/L		08/07/20 08:10	08/07/20 08:16	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-8

Date Collected: 07/30/20 00:00

Matrix: Solid

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromobenzene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromochloromethane	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromodichloromethane	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromoform	<24		50	24	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromomethane	<40		150	40	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Carbon tetrachloride	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Chlorobenzene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Chloroethane	<25		50	25	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Chloroform	<19		100	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Chloromethane	<16		50	16	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
2-Chlorotoluene	<16		50	16	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
4-Chlorotoluene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Dibromochloromethane	<24		50	24	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dibromo-3-Chloropropane	<100 *		250	100	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dibromoethane	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Dibromomethane	<14		50	14	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1-Dichloroethane	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dichloroethane	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1-Dichloroethene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dichloropropane	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,3-Dichloropropane	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
2,2-Dichloropropane	<22		50	22	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1-Dichloropropene	<15		50	15	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Hexachlorobutadiene	<22		50	22	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Isopropylbenzene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Isopropyl ether	<14		50	14	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Methylene Chloride	<82		250	82	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Naphthalene	<17		50	17	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
n-Butylbenzene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
N-Propylbenzene	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
p-Isopropyltoluene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
sec-Butylbenzene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Styrene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
tert-Butylbenzene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Tetrachloroethene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Toluene	<7.4		13	7.4	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-8

Date Collected: 07/30/20 00:00

Matrix: Solid

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Trichloroethene	<8.2		25	8.2	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Trichlorofluoromethane	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Vinyl chloride	<13		50	13	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Xylenes, Total	<11		25	11	ug/Kg		07/30/20 12:00	08/07/20 12:38	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		72 - 124	07/30/20 12:00	08/07/20 12:38	50
Dibromofluoromethane (Surr)	87		75 - 120	07/30/20 12:00	08/07/20 12:38	50
1,2-Dichloroethane-d4 (Surr)	94		75 - 126	07/30/20 12:00	08/07/20 12:38	50
Toluene-d8 (Surr)	102		75 - 120	07/30/20 12:00	08/07/20 12:38	50

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-9

Date Collected: 07/30/20 00:00

Matrix: Water

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/07/20 13:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/07/20 13:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/07/20 13:05	1
Bromoform	<0.48		1.0	0.48	ug/L			08/07/20 13:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/07/20 13:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/07/20 13:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/07/20 13:05	1
Chloroform	<0.37		2.0	0.37	ug/L			08/07/20 13:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/07/20 13:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/07/20 13:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/07/20 13:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/07/20 13:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/07/20 13:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/07/20 13:05	1
1,2-Dibromo-3-Chloropropane	<2.0 *		5.0	2.0	ug/L			08/07/20 13:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/07/20 13:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/07/20 13:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/07/20 13:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/07/20 13:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/07/20 13:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/07/20 13:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/07/20 13:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/07/20 13:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/07/20 13:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/07/20 13:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/07/20 13:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/07/20 13:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/07/20 13:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:05	1
Styrene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/07/20 13:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/07/20 13:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/07/20 13:05	1
Toluene	<0.15		0.50	0.15	ug/L			08/07/20 13:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/07/20 13:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-9

Date Collected: 07/30/20 00:00

Matrix: Water

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/07/20 13:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/07/20 13:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/07/20 13:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/07/20 13:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/07/20 13:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/07/20 13:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/07/20 13:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/07/20 13:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/07/20 13:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/07/20 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124		08/07/20 13:05	1
Dibromofluoromethane (Surr)	95		75 - 120		08/07/20 13:05	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		08/07/20 13:05	1
Toluene-d8 (Surr)	101		75 - 120		08/07/20 13:05	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Chloroform	<0.020		0.040	0.020	mg/L			08/13/20 20:06	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			08/13/20 20:06	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Trichloroethene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/13/20 20:06	20
Dibromofluoromethane (Surr)	95		75 - 120		08/13/20 20:06	20
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		08/13/20 20:06	20
Toluene-d8 (Surr)	94		75 - 120		08/13/20 20:06	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 11:53	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 11:53	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 11:53	1
Hexachlorobutadiene	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 11:53	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 11:53	1
2-Methylphenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 11:53	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 11:53	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 11:53	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		08/20/20 19:25	08/21/20 11:53	1
Pyridine	<0.20		0.20	0.20	mg/L		08/20/20 19:25	08/21/20 11:53	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		08/20/20 19:25	08/21/20 11:53	1
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	99		34 - 110	08/20/20 19:25	08/21/20 11:53	1
2-Fluorophenol (Surr)	115	X	27 - 110	08/20/20 19:25	08/21/20 11:53	1
Nitrobenzene-d5 (Surr)	95		36 - 120	08/20/20 19:25	08/21/20 11:53	1
Phenol-d5 (Surr)	67		20 - 100	08/20/20 19:25	08/21/20 11:53	1
Terphenyl-d14 (Surr)	119		40 - 145	08/20/20 19:25	08/21/20 11:53	1
2,4,6-Tribromophenol (Surr)	125		40 - 145	08/20/20 19:25	08/21/20 11:53	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Barium	0.77		0.50	0.050	mg/L		08/17/20 06:00	08/18/20 00:22	1
Cadmium	0.0099		0.0050	0.0020	mg/L		08/17/20 06:00	08/18/20 00:22	1
Chromium	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Copper	0.013	J	0.025	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Lead	0.83		0.050	0.0075	mg/L		08/17/20 06:00	08/18/20 00:22	1
Nickel	0.035		0.025	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Selenium	<0.020		0.050	0.020	mg/L		08/17/20 06:00	08/18/20 00:22	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Zinc	2.7		0.10	0.020	mg/L		08/17/20 06:00	08/18/20 00:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/17/20 10:10	08/18/20 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176		99.0	99.0	Degrees F			08/13/20 20:00	1
Cyanide, Total	0.13	J	0.22	0.11	mg/Kg		08/12/20 09:45	08/12/20 15:51	1
Total Sulfide	<4.7		9.9	4.7	mg/Kg		08/13/20 17:25	08/14/20 00:13	1
pH	8.3		0.2	0.2	SU			08/14/20 17:21	1
Free Liquid	Pass				No Unit			08/13/20 22:10	1
Specific Gravity	2.0904				NONE			08/14/20 16:22	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		19	6.6	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1221	<8.2		19	8.2	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1232	<8.1		19	8.1	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1242	<6.1		19	6.1	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1248	<7.3		19	7.3	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1254	<4.0		19	4.0	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1260	<9.2		19	9.2	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
Polychlorinated biphenyls, Total	<3.6		19	3.6	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		49 - 129				08/14/20 06:37	08/14/20 21:13	1
DCB Decachlorobiphenyl	223	X	37 - 121				08/14/20 06:37	08/14/20 21:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chlorine	<0.11		0.11	0.11	%	☼	08/07/20 12:16	08/07/20 16:25	1

Definitions/Glossary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Definitions/Glossary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

GC/MS VOA

Prep Batch: 555087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	5035	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	5035	
500-185839-3	GP-3 5-7.5	Total/NA	Solid	5035	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	5035	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI GRO	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	5035	
500-185839-8	Trip Blank	Total/NA	Solid	5035	
LB3 500-555087/18-A	Method Blank	Total/NA	Solid	5035	
LCS 500-555087/19-A	Lab Control Sample	Total/NA	Water	5035	

Analysis Batch: 555803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	8260B	555087
500-185839-2	GP-2 2.5-5	Total/NA	Solid	8260B	555087
500-185839-3	GP-3 5-7.5	Total/NA	Solid	8260B	555087
500-185839-4	GP-4 7.5-10	Total/NA	Solid	8260B	555087
500-185839-5	GP-5 2.5-5	Total/NA	Solid	8260B	555087
500-185839-6	GP-6 2.5-5	Total/NA	Solid	8260B	555087
500-185839-8	Trip Blank	Total/NA	Solid	8260B	555087
LB3 500-555087/18-A	Method Blank	Total/NA	Solid	8260B	555087
MB 500-555803/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-555803/5	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 555810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	8260B	
500-185839-9	Trip Blank	Total/NA	Water	8260B	
MB 500-555810/7	Method Blank	Total/NA	Water	8260B	
LCS 500-555810/5	Lab Control Sample	Total/NA	Water	8260B	
500-185839-7 MS	TW-4	Total/NA	Water	8260B	
500-185839-7 MSD	TW-4	Total/NA	Water	8260B	

Analysis Batch: 556034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-556034/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-555087/19-A	Lab Control Sample	Total/NA	Water	8260B	555087

Leach Batch: 556491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	1311	
LB 500-556491/1-A	Method Blank	TCLP	Solid	1311	
500-185839-10 MS	WASTE-1	TCLP	Solid	1311	
500-185839-10 MSD	WASTE-1	TCLP	Solid	1311	

Analysis Batch: 556582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	8260B	556491
LB 500-556491/1-A	Method Blank	TCLP	Solid	8260B	556491
MB 500-556582/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-556582/4	Lab Control Sample	Total/NA	Solid	8260B	
500-185839-10 MS	WASTE-1	TCLP	Solid	8260B	556491

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

GC/MS VOA (Continued)

Analysis Batch: 556582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10 MSD	WASTE-1	TCLP	Solid	8260B	556491

GC/MS Semi VOA

Prep Batch: 555581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	3510C	
MB 500-555581/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-555581/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 555728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	8270D	555581
MB 500-555581/1-A	Method Blank	Total/NA	Water	8270D	555581
LCS 500-555581/2-A	Lab Control Sample	Total/NA	Water	8270D	555581

Prep Batch: 556405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	3541	
500-185839-1 - DL	GP-1 7.5-10	Total/NA	Solid	3541	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	3541	
500-185839-2 - DL	GP-2 2.5-5	Total/NA	Solid	3541	
500-185839-3	GP-3 5-7.5	Total/NA	Solid	3541	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	3541	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	3541	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	3541	
LCS 500-556405/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 556515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	8270D	556405
500-185839-2	GP-2 2.5-5	Total/NA	Solid	8270D	556405
500-185839-3	GP-3 5-7.5	Total/NA	Solid	8270D	556405
500-185839-4	GP-4 7.5-10	Total/NA	Solid	8270D	556405
500-185839-5	GP-5 2.5-5	Total/NA	Solid	8270D	556405
500-185839-6	GP-6 2.5-5	Total/NA	Solid	8270D	556405
LCS 500-556405/2-A	Lab Control Sample	Total/NA	Solid	8270D	556405

Analysis Batch: 556625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1 - DL	GP-1 7.5-10	Total/NA	Solid	8270D	556405
500-185839-2 - DL	GP-2 2.5-5	Total/NA	Solid	8270D	556405

Leach Batch: 556700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	1311	
LB 500-556700/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 557881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	3510C	556700

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

GC/MS Semi VOA (Continued)

Prep Batch: 557881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-556700/1-D	Method Blank	TCLP	Solid	3510C	556700
MB 500-557881/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-557881/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Analysis Batch: 557972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-556700/1-D	Method Blank	TCLP	Solid	8270D	557881
MB 500-557881/1-A	Method Blank	Total/NA	Solid	8270D	557881
LCS 500-557881/2-A	Lab Control Sample	Total/NA	Solid	8270D	557881

Analysis Batch: 557995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	8270D	557881

GC VOA

Prep Batch: 555087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI GRO	
LCS 500-555087/20-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 500-555087/21-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 556337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI-GRO	555087
LCS 500-555087/20-A	Lab Control Sample	Total/NA	Solid	WI-GRO	555087
LCSD 500-555087/21-A	Lab Control Sample Dup	Total/NA	Solid	WI-GRO	555087

GC Semi VOA

Prep Batch: 555849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI DRO PREP	
MB 500-555849/1-A	Method Blank	Total/NA	Solid	WI DRO PREP	
LCS 500-555849/2-A	Lab Control Sample	Total/NA	Solid	WI DRO PREP	
LCSD 500-555849/3-A	Lab Control Sample Dup	Total/NA	Solid	WI DRO PREP	

Analysis Batch: 556055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI-DRO	555849
MB 500-555849/1-A	Method Blank	Total/NA	Solid	WI-DRO	555849
LCS 500-555849/2-A	Lab Control Sample	Total/NA	Solid	WI-DRO	555849
LCSD 500-555849/3-A	Lab Control Sample Dup	Total/NA	Solid	WI-DRO	555849

Prep Batch: 556801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	3541	
MB 500-556801/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-556801/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-185839-10 MS	WASTE-1	Total/NA	Solid	3541	
500-185839-10 MSD	WASTE-1	Total/NA	Solid	3541	

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

GC Semi VOA

Analysis Batch: 556980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	8082A	556801
MB 500-556801/1-A	Method Blank	Total/NA	Solid	8082A	556801
LCS 500-556801/2-A	Lab Control Sample	Total/NA	Solid	8082A	556801
500-185839-10 MS	WASTE-1	Total/NA	Solid	8082A	556801
500-185839-10 MSD	WASTE-1	Total/NA	Solid	8082A	556801

Metals

Prep Batch: 555288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Dissolved	Water	3005A	
MB 500-555288/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-555288/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Filtration Batch: 555396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-555396/1-D	Method Blank	Dissolved	Water	FILTRATION	

Analysis Batch: 555668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Dissolved	Water	6020A	555288
MB 500-555288/1-A	Method Blank	Total Recoverable	Water	6020A	555288
LCS 500-555288/2-A	Lab Control Sample	Total Recoverable	Water	6020A	555288

Prep Batch: 556256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Dissolved	Water	7470A	
MB 500-555396/1-D	Method Blank	Dissolved	Water	7470A	555396
LCS 500-556256/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 556442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Dissolved	Water	7470A	556256
MB 500-555396/1-D	Method Blank	Dissolved	Water	7470A	556256
LCS 500-556256/13-A	Lab Control Sample	Total/NA	Water	7470A	556256

Prep Batch: 556452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	7471B	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	7471B	
500-185839-3	GP-3 5-7.5	Total/NA	Solid	7471B	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	7471B	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	7471B	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	7471B	
MB 500-556452/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-556452/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 556536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	3050B	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	3050B	

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Metals (Continued)

Prep Batch: 556536 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-3	GP-3 5-7.5	Total/NA	Solid	3050B	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	3050B	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	3050B	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	3050B	
MB 500-556536/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-556536/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 556665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	7471B	556452
500-185839-2	GP-2 2.5-5	Total/NA	Solid	7471B	556452
500-185839-3	GP-3 5-7.5	Total/NA	Solid	7471B	556452
500-185839-4	GP-4 7.5-10	Total/NA	Solid	7471B	556452
500-185839-5	GP-5 2.5-5	Total/NA	Solid	7471B	556452
500-185839-6	GP-6 2.5-5	Total/NA	Solid	7471B	556452
MB 500-556452/12-A	Method Blank	Total/NA	Solid	7471B	556452
LCS 500-556452/13-A	Lab Control Sample	Total/NA	Solid	7471B	556452

Analysis Batch: 556694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	6010C	556536
500-185839-2	GP-2 2.5-5	Total/NA	Solid	6010C	556536
500-185839-3	GP-3 5-7.5	Total/NA	Solid	6010C	556536
500-185839-4	GP-4 7.5-10	Total/NA	Solid	6010C	556536
500-185839-5	GP-5 2.5-5	Total/NA	Solid	6010C	556536
500-185839-6	GP-6 2.5-5	Total/NA	Solid	6010C	556536
MB 500-556536/1-A	Method Blank	Total/NA	Solid	6010C	556536
LCS 500-556536/2-A	Lab Control Sample	Total/NA	Solid	6010C	556536

Leach Batch: 556700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	1311	
LB 500-556700/1-B	Method Blank	TCLP	Solid	1311	
LB 500-556700/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 557085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	3010A	556700
LB 500-556700/1-B	Method Blank	TCLP	Solid	3010A	556700
LCS 500-557085/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 557189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	7470A	556700
LB 500-556700/1-C	Method Blank	TCLP	Solid	7470A	556700
MB 500-557189/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-557189/14-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 557303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	6010B	557085

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Metals (Continued)

Analysis Batch: 557303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-556700/1-B	Method Blank	TCLP	Solid	6010B	557085
LCS 500-557085/2-A	Lab Control Sample	Total/NA	Solid	6010B	557085

Analysis Batch: 557396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	7470A	557189
LB 500-556700/1-C	Method Blank	TCLP	Solid	7470A	557189
MB 500-557189/12-A	Method Blank	Total/NA	Solid	7470A	557189
LCS 500-557189/14-A	Lab Control Sample	Total/NA	Solid	7470A	557189

General Chemistry

Prep Batch: 555817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	1664B	
MB 500-555817/1-A	Method Blank	Total/NA	Water	1664B	
LCS 500-555817/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 555820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	1664B	555817
MB 500-555817/1-A	Method Blank	Total/NA	Water	1664B	555817
LCS 500-555817/2-A	Lab Control Sample	Total/NA	Water	1664B	555817

Prep Batch: 556435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9010C	
MB 500-556435/1-A	Method Blank	Total/NA	Solid	9010C	
HLCS 500-556435/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 500-556435/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 500-556435/4-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 556623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	Moisture	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	Moisture	
500-185839-3	GP-3 5-7.5	Total/NA	Solid	Moisture	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	Moisture	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	Moisture	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	Moisture	
500-185839-10	WASTE-1	Total/NA	Solid	Moisture	
500-185839-5 DU	GP-5 2.5-5	Total/NA	Solid	Moisture	

Analysis Batch: 556691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9012B	556435
MB 500-556435/1-A	Method Blank	Total/NA	Solid	9012B	556435
HLCS 500-556435/2-A	Lab Control Sample	Total/NA	Solid	9012B	556435
LCS 500-556435/3-A	Lab Control Sample	Total/NA	Solid	9012B	556435
LLCS 500-556435/4-A	Lab Control Sample	Total/NA	Solid	9012B	556435

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

General Chemistry

Prep Batch: 556729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9030B	
MB 500-556729/1-A	Method Blank	Total/NA	Solid	9030B	
LCS 500-556729/2-A	Lab Control Sample	Total/NA	Solid	9030B	

Analysis Batch: 556764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9034	556729
MB 500-556729/1-A	Method Blank	Total/NA	Solid	9034	556729
LCS 500-556729/2-A	Lab Control Sample	Total/NA	Solid	9034	556729

Analysis Batch: 556770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9095B	

Analysis Batch: 556772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	1010A	

Analysis Batch: 556942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	SM 2710F	

Analysis Batch: 557145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9045C	
LCS 500-557145/2	Lab Control Sample	Total/NA	Solid	9045C	
LCSD 500-557145/3	Lab Control Sample Dup	Total/NA	Solid	9045C	
500-185839-10 DU	WASTE-1	Total/NA	Solid	9045C	

Prep Batch: 629411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	5050	
MB 680-629411/1-A	Method Blank	Total/NA	Solid	5050	
LCS 680-629411/2-A	Lab Control Sample	Total/NA	Solid	5050	

Analysis Batch: 629464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9251	629411
MB 680-629411/1-A	Method Blank	Total/NA	Solid	9251	629411
LCS 680-629411/2-A	Lab Control Sample	Total/NA	Solid	9251	629411

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-185839-1	GP-1 7.5-10	99	90	97	96
500-185839-2	GP-2 2.5-5	101	90	98	98
500-185839-3	GP-3 5-7.5	104	92	99	95
500-185839-4	GP-4 7.5-10	103	91	99	98
500-185839-5	GP-5 2.5-5	102	89	98	99
500-185839-6	GP-6 2.5-5	104	91	98	96
500-185839-8	Trip Blank	100	87	94	102
LB3 500-555087/18-A	Method Blank	101	90	95	99
LCS 500-555803/5	Lab Control Sample	87	96	103	107
LCS 500-556582/4	Lab Control Sample	88	95	108	96
MB 500-555803/7	Method Blank	105	94	97	99
MB 500-556034/6	Method Blank	90	94	113	92
MB 500-556582/6	Method Blank	92	93	108	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-185839-10	WASTE-1	94	95	110	94
500-185839-10 MS	WASTE-1	88	98	111	95
500-185839-10 MSD	WASTE-1	87	98	111	95
LB 500-556491/1-A	Method Blank	92	91	106	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-185839-7	TW-4	93	98	103	99
500-185839-7 MS	TW-4	94	101	105	98
500-185839-7 MSD	TW-4	95	103	106	98
500-185839-9	Trip Blank	93	95	103	101
LCS 500-555087/19-A	Lab Control Sample	87	95	109	93
LCS 500-555810/5	Lab Control Sample	95	102	105	100
MB 500-555810/7	Method Blank	95	97	105	99

Surrogate Legend

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Surrogate Summary

Client: TRC Environmental Corporation.

Job ID: 500-185839-1

Project/Site: 393855

FBP = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-185839-1	GP-1 7.5-10	62	48	56
500-185839-1 - DL	GP-1 7.5-10	0 D	0 D	0 D
500-185839-2	GP-2 2.5-5	77	55	64
500-185839-2 - DL	GP-2 2.5-5	0 D	0 D	0 D
500-185839-3	GP-3 5-7.5	73	87	88
500-185839-4	GP-4 7.5-10	80	94	101
500-185839-5	GP-5 2.5-5	69	77	82
500-185839-6	GP-6 2.5-5	61	69	84
LCS 500-556405/2-A	Lab Control Sample	89	102	99

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (34-110)	2FP (27-110)	NBZ (36-120)	PHL (20-100)	TPHL (40-145)	TBP (40-145)
LCS 500-557881/2-A	Lab Control Sample	99	61	108	30	105	145
MB 500-557881/1-A	Method Blank	83	48	94	21	105	125

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (34-110)	2FP (27-110)	NBZ (36-120)	PHL (20-100)	TPHL (40-145)	TBP (40-145)
500-185839-10	WASTE-1	99	115 X	95	67	119	125
LB 500-556700/1-D	Method Blank	79	39	88	25	101	130

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

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Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	FBP (34-110)	2FP (27-110)	NBZ (36-120)	PHL (20-110)	TPHL (40-145)	TBP (40-145)
500-185839-7	TW-4	94	84	98	60	119	104
LCS 500-555581/2-A	Lab Control Sample	82	78	89	59	102	102
MB 500-555581/1-A	Method Blank	73	88	87	67	124	92

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (49-129)	DCBP1 (37-121)
500-185839-10	WASTE-1	90	223 X
500-185839-10 MS	WASTE-1	83	183 X
500-185839-10 MSD	WASTE-1	88	194 X
LCS 500-556801/2-A	Lab Control Sample	94	120
MB 500-556801/1-A	Method Blank	94	116

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C9 (44-148)
500-185839-5	GP-5 2.5-5	76
LCS 500-555849/2-A	Lab Control Sample	75
LCSD 500-555849/3-A	Lab Control Sample Dup	77
MB 500-555849/1-A	Method Blank	81

Surrogate Legend

C9 = n-Nonane

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-555087/18-A

Matrix: Solid

Analysis Batch: 555803

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 555087

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<7.3		13	7.3	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromobenzene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromochloromethane	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromodichloromethane	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromoform	<24		50	24	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromomethane	<40		150	40	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Carbon tetrachloride	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Chlorobenzene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Chloroethane	<25		50	25	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Chloroform	<19		100	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Chloromethane	<16		50	16	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
2-Chlorotoluene	<16		50	16	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
4-Chlorotoluene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Dibromochloromethane	<24		50	24	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dibromoethane	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Dibromomethane	<14		50	14	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1-Dichloroethane	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dichloroethane	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1-Dichloroethene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dichloropropane	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,3-Dichloropropane	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
2,2-Dichloropropane	<22		50	22	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1-Dichloropropene	<15		50	15	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Hexachlorobutadiene	<22		50	22	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Isopropylbenzene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Isopropyl ether	<14		50	14	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Methylene Chloride	<82		250	82	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Naphthalene	<17		50	17	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
n-Butylbenzene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
N-Propylbenzene	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
p-Isopropyltoluene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
sec-Butylbenzene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Styrene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
tert-Butylbenzene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Tetrachloroethene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Toluene	<7.4		13	7.4	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-555087/18-A
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555087

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Trichloroethene	<8.2		25	8.2	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Trichlorofluoromethane	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Vinyl chloride	<13		50	13	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Xylenes, Total	<11		25	11	ug/Kg		08/03/20 19:26	08/07/20 12:13	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		72 - 124	08/03/20 19:26	08/07/20 12:13	50
Dibromofluoromethane (Surr)	90		75 - 120	08/03/20 19:26	08/07/20 12:13	50
1,2-Dichloroethane-d4 (Surr)	95		75 - 126	08/03/20 19:26	08/07/20 12:13	50
Toluene-d8 (Surr)	99		75 - 120	08/03/20 19:26	08/07/20 12:13	50

Lab Sample ID: LCS 500-555087/19-A
Matrix: Water
Analysis Batch: 556034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Bromobenzene	2500	2030		ug/Kg		81	70 - 122
Bromochloromethane	2500	2230		ug/Kg		89	65 - 122
Bromodichloromethane	2500	2110		ug/Kg		84	69 - 120
Bromoform	2500	1680		ug/Kg		67	56 - 132
Bromomethane	2500	2070		ug/Kg		83	40 - 152
Carbon tetrachloride	2500	2350		ug/Kg		94	59 - 133
Chlorobenzene	2500	2260		ug/Kg		90	70 - 120
Chloroethane	2500	2200		ug/Kg		88	48 - 136
Chloroform	2500	2260		ug/Kg		91	70 - 120
Chloromethane	2500	1570		ug/Kg		63	56 - 152
2-Chlorotoluene	2500	2110		ug/Kg		84	70 - 125
4-Chlorotoluene	2500	2190		ug/Kg		87	68 - 124
cis-1,2-Dichloroethene	2500	2190		ug/Kg		88	70 - 125
cis-1,3-Dichloropropene	2500	1920		ug/Kg		77	64 - 127
Dibromochloromethane	2500	1840		ug/Kg		74	68 - 125
1,2-Dibromo-3-Chloropropane	2500	1370	*	ug/Kg		55	56 - 123
1,2-Dibromoethane	2500	2030		ug/Kg		81	70 - 125
Dibromomethane	2500	2230		ug/Kg		89	70 - 120
1,2-Dichlorobenzene	2500	2130		ug/Kg		85	70 - 125
1,3-Dichlorobenzene	2500	2200		ug/Kg		88	70 - 125
1,4-Dichlorobenzene	2500	2170		ug/Kg		87	70 - 120
Dichlorodifluoromethane	2500	1060		ug/Kg		42	40 - 159
1,1-Dichloroethane	2500	2370		ug/Kg		95	70 - 125

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-555087/19-A
Matrix: Water
Analysis Batch: 556034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	2500	2720		ug/Kg		109	68 - 127
1,1-Dichloroethene	2500	2030		ug/Kg		81	67 - 122
1,2-Dichloropropane	2500	2430		ug/Kg		97	67 - 130
1,3-Dichloropropane	2500	2000		ug/Kg		80	62 - 136
2,2-Dichloropropane	2500	2370		ug/Kg		95	58 - 139
1,1-Dichloropropene	2500	2330		ug/Kg		93	70 - 121
Ethylbenzene	2500	2450		ug/Kg		98	70 - 123
Hexachlorobutadiene	2500	2780		ug/Kg		111	51 - 150
Isopropylbenzene	2500	2180		ug/Kg		87	70 - 126
Methylene Chloride	2500	2050		ug/Kg		82	69 - 125
Methyl tert-butyl ether	2500	2340		ug/Kg		94	55 - 123
Naphthalene	2500	1880		ug/Kg		75	53 - 144
n-Butylbenzene	2500	2440		ug/Kg		98	68 - 125
N-Propylbenzene	2500	2220		ug/Kg		89	69 - 127
p-Isopropyltoluene	2500	2450		ug/Kg		98	70 - 125
sec-Butylbenzene	2500	2340		ug/Kg		94	70 - 123
Styrene	2500	2260		ug/Kg		90	70 - 120
tert-Butylbenzene	2500	2260		ug/Kg		91	70 - 121
1,1,1,2-Tetrachloroethane	2500	2100		ug/Kg		84	70 - 125
1,1,2,2-Tetrachloroethane	2500	1610		ug/Kg		64	62 - 140
Tetrachloroethene	2500	2460		ug/Kg		98	70 - 128
Toluene	2500	2220		ug/Kg		89	70 - 125
trans-1,2-Dichloroethene	2500	2190		ug/Kg		88	70 - 125
trans-1,3-Dichloropropene	2500	1880		ug/Kg		75	62 - 128
1,2,3-Trichlorobenzene	2500	2190		ug/Kg		87	51 - 145
1,2,4-Trichlorobenzene	2500	2150		ug/Kg		86	57 - 137
1,1,1-Trichloroethane	2500	2360		ug/Kg		94	70 - 125
1,1,2-Trichloroethane	2500	2000		ug/Kg		80	71 - 130
Trichloroethene	2500	2390		ug/Kg		95	70 - 125
Trichlorofluoromethane	2500	2090		ug/Kg		84	55 - 128
1,2,3-Trichloropropane	2500	1800		ug/Kg		72	50 - 133
1,2,4-Trimethylbenzene	2500	2250		ug/Kg		90	70 - 123
1,3,5-Trimethylbenzene	2500	2250		ug/Kg		90	70 - 123
Vinyl chloride	2500	1790		ug/Kg		72	64 - 126
Xylenes, Total	5000	4860		ug/Kg		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
1,2-Dichloroethane-d4 (Surr)	109		75 - 126
Toluene-d8 (Surr)	93		75 - 120

Lab Sample ID: MB 500-555803/7
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			08/07/20 11:22	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555803/7
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromobenzene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			08/07/20 11:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			08/07/20 11:22	1
Bromoform	<0.48		1.0	0.48	ug/Kg			08/07/20 11:22	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			08/07/20 11:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			08/07/20 11:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			08/07/20 11:22	1
Chloroform	<0.37		2.0	0.37	ug/Kg			08/07/20 11:22	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			08/07/20 11:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			08/07/20 11:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			08/07/20 11:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			08/07/20 11:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			08/07/20 11:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			08/07/20 11:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			08/07/20 11:22	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			08/07/20 11:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			08/07/20 11:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			08/07/20 11:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			08/07/20 11:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			08/07/20 11:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			08/07/20 11:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			08/07/20 11:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			08/07/20 11:22	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			08/07/20 11:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			08/07/20 11:22	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			08/07/20 11:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			08/07/20 11:22	1
Methylene Chloride	2.28	J	5.0	1.6	ug/Kg			08/07/20 11:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			08/07/20 11:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			08/07/20 11:22	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			08/07/20 11:22	1
Styrene	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			08/07/20 11:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			08/07/20 11:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			08/07/20 11:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			08/07/20 11:22	1
Toluene	<0.15		0.25	0.15	ug/Kg			08/07/20 11:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			08/07/20 11:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			08/07/20 11:22	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555803/7

Matrix: Solid

Analysis Batch: 555803

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			08/07/20 11:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			08/07/20 11:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			08/07/20 11:22	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			08/07/20 11:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			08/07/20 11:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			08/07/20 11:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			08/07/20 11:22	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			08/07/20 11:22	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			08/07/20 11:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	105		72 - 124		08/07/20 11:22	1
Dibromofluoromethane (Surr)	94		75 - 120		08/07/20 11:22	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		08/07/20 11:22	1
Toluene-d8 (Surr)	99		75 - 120		08/07/20 11:22	1

Lab Sample ID: LCS 500-555803/5

Matrix: Solid

Analysis Batch: 555803

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Benzene	50.0	47.4		ug/Kg		95	70 - 120
Bromobenzene	50.0	42.5		ug/Kg		85	70 - 122
Bromochloromethane	50.0	51.8		ug/Kg		104	65 - 122
Bromodichloromethane	50.0	45.4		ug/Kg		91	69 - 120
Bromoform	50.0	41.8		ug/Kg		84	56 - 132
Bromomethane	50.0	45.3		ug/Kg		91	40 - 152
Carbon tetrachloride	50.0	49.2		ug/Kg		98	59 - 133
Chlorobenzene	50.0	46.4		ug/Kg		93	70 - 120
Chloroethane	50.0	46.9		ug/Kg		94	48 - 136
Chloroform	50.0	47.7		ug/Kg		95	70 - 120
Chloromethane	50.0	47.0		ug/Kg		94	56 - 152
2-Chlorotoluene	50.0	46.2		ug/Kg		92	70 - 125
4-Chlorotoluene	50.0	43.9		ug/Kg		88	68 - 124
cis-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	70 - 125
cis-1,3-Dichloropropene	50.0	44.9		ug/Kg		90	64 - 127
Dibromochloromethane	50.0	46.8		ug/Kg		94	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	32.4		ug/Kg		65	56 - 123
1,2-Dibromoethane	50.0	46.4		ug/Kg		93	70 - 125
Dibromomethane	50.0	47.6		ug/Kg		95	70 - 120
1,2-Dichlorobenzene	50.0	45.8		ug/Kg		92	70 - 125
1,3-Dichlorobenzene	50.0	43.8		ug/Kg		88	70 - 125
1,4-Dichlorobenzene	50.0	45.1		ug/Kg		90	70 - 120
Dichlorodifluoromethane	50.0	26.3		ug/Kg		53	40 - 159
1,1-Dichloroethane	50.0	52.6		ug/Kg		105	70 - 125
1,2-Dichloroethane	50.0	47.1		ug/Kg		94	68 - 127
1,1-Dichloroethene	50.0	48.2		ug/Kg		96	67 - 122

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-555803/5
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	50.0	52.8		ug/Kg		106	67 - 130
1,3-Dichloropropane	50.0	47.4		ug/Kg		95	62 - 136
2,2-Dichloropropane	50.0	48.6		ug/Kg		97	58 - 139
1,1-Dichloropropene	50.0	50.4		ug/Kg		101	70 - 121
Ethylbenzene	50.0	49.4		ug/Kg		99	70 - 123
Hexachlorobutadiene	50.0	41.8		ug/Kg		84	51 - 150
Isopropylbenzene	50.0	47.0		ug/Kg		94	70 - 126
Methylene Chloride	50.0	48.6		ug/Kg		97	69 - 125
Methyl tert-butyl ether	50.0	40.0		ug/Kg		80	55 - 123
Naphthalene	50.0	38.2		ug/Kg		76	53 - 144
n-Butylbenzene	50.0	46.3		ug/Kg		93	68 - 125
N-Propylbenzene	50.0	47.9		ug/Kg		96	69 - 127
p-Isopropyltoluene	50.0	46.9		ug/Kg		94	70 - 125
sec-Butylbenzene	50.0	49.0		ug/Kg		98	70 - 123
Styrene	50.0	48.3		ug/Kg		97	70 - 120
tert-Butylbenzene	50.0	46.7		ug/Kg		93	70 - 121
1,1,1,2-Tetrachloroethane	50.0	45.5		ug/Kg		91	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.3		ug/Kg		85	62 - 140
Tetrachloroethene	50.0	51.2		ug/Kg		102	70 - 128
Toluene	50.0	47.2		ug/Kg		94	70 - 125
trans-1,2-Dichloroethene	50.0	51.2		ug/Kg		102	70 - 125
trans-1,3-Dichloropropene	50.0	40.2		ug/Kg		80	62 - 128
1,2,3-Trichlorobenzene	50.0	38.0		ug/Kg		76	51 - 145
1,2,4-Trichlorobenzene	50.0	39.8		ug/Kg		80	57 - 137
1,1,1-Trichloroethane	50.0	50.5		ug/Kg		101	70 - 125
1,1,2-Trichloroethane	50.0	45.4		ug/Kg		91	71 - 130
Trichloroethene	50.0	48.4		ug/Kg		97	70 - 125
Trichlorofluoromethane	50.0	39.5		ug/Kg		79	55 - 128
1,2,3-Trichloropropane	50.0	40.8		ug/Kg		82	50 - 133
1,2,4-Trimethylbenzene	50.0	46.5		ug/Kg		93	70 - 123
1,3,5-Trimethylbenzene	50.0	45.7		ug/Kg		91	70 - 123
Vinyl chloride	50.0	45.4		ug/Kg		91	64 - 126
Xylenes, Total	100	94.0		ug/Kg		94	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
1,2-Dichloroethane-d4 (Surr)	103		75 - 126
Toluene-d8 (Surr)	107		75 - 120

Lab Sample ID: MB 500-555810/7
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/07/20 11:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/07/20 11:48	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555810/7
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/07/20 11:48	1
Bromoform	<0.48		1.0	0.48	ug/L			08/07/20 11:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/07/20 11:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/07/20 11:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/07/20 11:48	1
Chloroform	<0.37		2.0	0.37	ug/L			08/07/20 11:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/07/20 11:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/07/20 11:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/07/20 11:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/07/20 11:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/07/20 11:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/07/20 11:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/07/20 11:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/07/20 11:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/07/20 11:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/07/20 11:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/07/20 11:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/07/20 11:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/07/20 11:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/07/20 11:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/07/20 11:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/07/20 11:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/07/20 11:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/07/20 11:48	1
Methylene Chloride	2.34	J	5.0	1.6	ug/L			08/07/20 11:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/07/20 11:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/07/20 11:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 11:48	1
Styrene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 11:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/07/20 11:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/07/20 11:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/07/20 11:48	1
Toluene	<0.15		0.50	0.15	ug/L			08/07/20 11:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/07/20 11:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/07/20 11:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/07/20 11:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/07/20 11:48	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555810/7
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/07/20 11:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/07/20 11:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/07/20 11:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/07/20 11:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/07/20 11:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/07/20 11:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/07/20 11:48	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	95		72 - 124		08/07/20 11:48	1
Dibromofluoromethane (Surr)	97		75 - 120		08/07/20 11:48	1
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		08/07/20 11:48	1
Toluene-d8 (Surr)	99		75 - 120		08/07/20 11:48	1

Lab Sample ID: LCS 500-555810/5
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	50.0	44.1		ug/L		88	70 - 120
Bromobenzene	50.0	45.4		ug/L		91	70 - 122
Bromochloromethane	50.0	46.4		ug/L		93	65 - 122
Bromodichloromethane	50.0	41.8		ug/L		84	69 - 120
Bromoform	50.0	42.3		ug/L		85	56 - 132
Bromomethane	50.0	49.1		ug/L		98	40 - 152
Carbon tetrachloride	50.0	46.4		ug/L		93	59 - 133
Chlorobenzene	50.0	44.6		ug/L		89	70 - 120
Chloroethane	50.0	49.6		ug/L		99	48 - 136
Chloroform	50.0	41.9		ug/L		84	70 - 120
Chloromethane	50.0	39.8		ug/L		80	56 - 152
2-Chlorotoluene	50.0	42.8		ug/L		86	70 - 125
4-Chlorotoluene	50.0	42.4		ug/L		85	68 - 124
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	70 - 125
cis-1,3-Dichloropropene	50.0	42.0		ug/L		84	64 - 127
Dibromochloromethane	50.0	43.3		ug/L		87	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	33.9		ug/L		68	56 - 123
1,2-Dibromoethane	50.0	44.5		ug/L		89	70 - 125
Dibromomethane	50.0	44.1		ug/L		88	70 - 120
1,2-Dichlorobenzene	50.0	43.5		ug/L		87	70 - 125
1,3-Dichlorobenzene	50.0	43.8		ug/L		88	70 - 125
1,4-Dichlorobenzene	50.0	43.3		ug/L		87	70 - 120
Dichlorodifluoromethane	50.0	33.9		ug/L		68	40 - 159
1,1-Dichloroethane	50.0	50.5		ug/L		101	70 - 125
1,2-Dichloroethane	50.0	47.8		ug/L		96	68 - 127
1,1-Dichloroethene	50.0	45.3		ug/L		91	67 - 122
1,2-Dichloropropane	50.0	52.7		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	42.9		ug/L		86	62 - 136

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-555810/5
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	44.4		ug/L		89	58 - 139
1,1-Dichloropropene	50.0	44.5		ug/L		89	70 - 121
Ethylbenzene	50.0	44.4		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	43.6		ug/L		87	51 - 150
Isopropylbenzene	50.0	44.4		ug/L		89	70 - 126
Methylene Chloride	50.0	46.1		ug/L		92	69 - 125
Methyl tert-butyl ether	50.0	35.9		ug/L		72	55 - 123
Naphthalene	50.0	46.3		ug/L		93	53 - 144
n-Butylbenzene	50.0	40.8		ug/L		82	68 - 125
N-Propylbenzene	50.0	43.2		ug/L		86	69 - 127
p-Isopropyltoluene	50.0	42.2		ug/L		84	70 - 125
sec-Butylbenzene	50.0	42.0		ug/L		84	70 - 123
Styrene	50.0	43.3		ug/L		87	70 - 120
tert-Butylbenzene	50.0	43.0		ug/L		86	70 - 121
1,1,1,2-Tetrachloroethane	50.0	44.3		ug/L		89	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.2		ug/L		84	62 - 140
Tetrachloroethene	50.0	47.7		ug/L		95	70 - 128
Toluene	50.0	44.9		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	44.3		ug/L		89	70 - 125
trans-1,3-Dichloropropene	50.0	41.4		ug/L		83	62 - 128
1,2,3-Trichlorobenzene	50.0	52.9		ug/L		106	51 - 145
1,2,4-Trichlorobenzene	50.0	45.6		ug/L		91	57 - 137
1,1,1-Trichloroethane	50.0	44.7		ug/L		89	70 - 125
1,1,2-Trichloroethane	50.0	45.7		ug/L		91	71 - 130
Trichloroethene	50.0	47.4		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	43.0		ug/L		86	55 - 128
1,2,3-Trichloropropane	50.0	44.6		ug/L		89	50 - 133
1,2,4-Trimethylbenzene	50.0	42.4		ug/L		85	70 - 123
1,3,5-Trimethylbenzene	50.0	42.6		ug/L		85	70 - 123
Vinyl chloride	50.0	47.7		ug/L		95	64 - 126
Xylenes, Total	100	87.0		ug/L		87	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	102		75 - 120
1,2-Dichloroethane-d4 (Surr)	105		75 - 126
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: 500-185839-7 MS
Matrix: Water
Analysis Batch: 555810

Client Sample ID: TW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	45.3		ug/L		91	70 - 120
Bromobenzene	<0.36		50.0	46.3		ug/L		93	70 - 122
Bromochloromethane	<0.43		50.0	47.9		ug/L		96	65 - 122
Bromodichloromethane	<0.37		50.0	42.5		ug/L		85	69 - 120
Bromoform	<0.48		50.0	42.1		ug/L		84	56 - 132

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-185839-7 MS

Matrix: Water

Analysis Batch: 555810

Client Sample ID: TW-4

Prep Type: Total/NA

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS Qualifier	Unit	D	%Rec	%Rec. Limits
	Result			Result					
Bromomethane	<0.80		50.0	55.3		ug/L		111	40 - 152
Carbon tetrachloride	<0.38		50.0	45.9		ug/L		92	59 - 133
Chlorobenzene	<0.39		50.0	44.9		ug/L		90	70 - 120
Chloroethane	<0.51		50.0	57.4		ug/L		115	48 - 136
Chloroform	<0.37		50.0	42.4		ug/L		85	70 - 120
Chloromethane	<0.32		50.0	45.9		ug/L		92	56 - 152
2-Chlorotoluene	<0.31		50.0	43.6		ug/L		87	70 - 125
4-Chlorotoluene	<0.35		50.0	43.7		ug/L		87	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	46.1		ug/L		92	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	42.2		ug/L		84	64 - 127
Dibromochloromethane	<0.49		50.0	43.4		ug/L		87	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0 *		50.0	34.7 *		ug/L		69	56 - 123
1,2-Dibromoethane	<0.39		50.0	45.7		ug/L		91	70 - 125
Dibromomethane	<0.27		50.0	46.2		ug/L		92	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	46.0		ug/L		92	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	45.3		ug/L		91	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	45.0		ug/L		90	70 - 120
Dichlorodifluoromethane	<0.67		50.0	39.0		ug/L		78	40 - 159
1,1-Dichloroethane	<0.41		50.0	51.5		ug/L		103	70 - 125
1,2-Dichloroethane	<0.39		50.0	48.5		ug/L		97	68 - 127
1,1-Dichloroethene	<0.39		50.0	44.7		ug/L		89	67 - 122
1,2-Dichloropropane	<0.43		50.0	54.5		ug/L		109	67 - 130
1,3-Dichloropropane	<0.36		50.0	43.4		ug/L		87	62 - 136
2,2-Dichloropropane	<0.44		50.0	43.5		ug/L		87	58 - 139
1,1-Dichloropropene	<0.30		50.0	44.9		ug/L		90	70 - 121
Ethylbenzene	<0.18		50.0	44.8		ug/L		90	70 - 123
Hexachlorobutadiene	<0.45		50.0	44.8		ug/L		90	51 - 150
Isopropylbenzene	<0.39		50.0	45.2		ug/L		90	70 - 126
Methylene Chloride	<1.6		50.0	45.4		ug/L		91	69 - 125
Methyl tert-butyl ether	<0.39		50.0	37.3		ug/L		75	55 - 123
Naphthalene	<0.34		50.0	51.7		ug/L		103	53 - 144
n-Butylbenzene	<0.39		50.0	41.5		ug/L		83	68 - 125
N-Propylbenzene	<0.41		50.0	44.0		ug/L		88	69 - 127
p-Isopropyltoluene	<0.36		50.0	43.3		ug/L		87	70 - 125
sec-Butylbenzene	<0.40		50.0	43.0		ug/L		86	70 - 123
Styrene	<0.39		50.0	44.2		ug/L		88	70 - 120
tert-Butylbenzene	<0.40		50.0	43.7		ug/L		87	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	45.0		ug/L		90	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	45.6		ug/L		91	62 - 140
Tetrachloroethene	<0.37		50.0	47.0		ug/L		94	70 - 128
Toluene	0.33 J		50.0	45.6		ug/L		91	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	45.2		ug/L		90	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	41.6		ug/L		83	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	57.5		ug/L		115	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	47.6		ug/L		95	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	45.5		ug/L		91	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	45.6		ug/L		91	71 - 130
Trichloroethene	<0.16		50.0	47.6		ug/L		95	70 - 125
Trichlorofluoromethane	<0.43		50.0	49.8		ug/L		100	55 - 128

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-185839-7 MS

Matrix: Water

Analysis Batch: 555810

Client Sample ID: TW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	<0.41		50.0	46.6		ug/L		93	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	43.7		ug/L		87	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	44.1		ug/L		88	70 - 123
Vinyl chloride	<0.20		50.0	55.8		ug/L		112	64 - 126
Xylenes, Total	<0.22		100	87.9		ug/L		88	70 - 125

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	94		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
1,2-Dichloroethane-d4 (Surr)	105		75 - 126
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: 500-185839-7 MSD

Matrix: Water

Analysis Batch: 555810

Client Sample ID: TW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	44.9		ug/L		90	70 - 120	1	20
Bromobenzene	<0.36		50.0	45.4		ug/L		91	70 - 122	2	20
Bromochloromethane	<0.43		50.0	47.8		ug/L		96	65 - 122	0	20
Bromodichloromethane	<0.37		50.0	42.5		ug/L		85	69 - 120	0	20
Bromoform	<0.48		50.0	41.6		ug/L		83	56 - 132	1	20
Bromomethane	<0.80		50.0	49.1		ug/L		98	40 - 152	12	20
Carbon tetrachloride	<0.38		50.0	45.6		ug/L		91	59 - 133	1	20
Chlorobenzene	<0.39		50.0	44.6		ug/L		89	70 - 120	1	20
Chloroethane	<0.51		50.0	50.6		ug/L		101	48 - 136	12	20
Chloroform	<0.37		50.0	42.0		ug/L		84	70 - 120	1	20
Chloromethane	<0.32		50.0	40.8		ug/L		82	56 - 152	12	20
2-Chlorotoluene	<0.31		50.0	42.6		ug/L		85	70 - 125	2	20
4-Chlorotoluene	<0.35		50.0	42.3		ug/L		85	68 - 124	3	20
cis-1,2-Dichloroethene	<0.41		50.0	45.2		ug/L		90	70 - 125	2	20
cis-1,3-Dichloropropene	<0.42		50.0	42.3		ug/L		85	64 - 127	0	20
Dibromochloromethane	<0.49		50.0	43.2		ug/L		86	68 - 125	1	20
1,2-Dibromo-3-Chloropropane	<2.0 *		50.0	34.2 *		ug/L		68	56 - 123	2	20
1,2-Dibromoethane	<0.39		50.0	44.8		ug/L		90	70 - 125	2	20
Dibromomethane	<0.27		50.0	46.1		ug/L		92	70 - 120	0	20
1,2-Dichlorobenzene	<0.33		50.0	44.6		ug/L		89	70 - 125	3	20
1,3-Dichlorobenzene	<0.40		50.0	45.1		ug/L		90	70 - 125	0	20
1,4-Dichlorobenzene	<0.36		50.0	43.8		ug/L		88	70 - 120	3	20
Dichlorodifluoromethane	<0.67		50.0	35.4		ug/L		71	40 - 159	10	20
1,1-Dichloroethane	<0.41		50.0	51.6		ug/L		103	70 - 125	0	20
1,2-Dichloroethane	<0.39		50.0	48.1		ug/L		96	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	45.8		ug/L		92	67 - 122	2	20
1,2-Dichloropropane	<0.43		50.0	53.5		ug/L		107	67 - 130	2	20
1,3-Dichloropropane	<0.36		50.0	42.2		ug/L		84	62 - 136	3	20
2,2-Dichloropropane	<0.44		50.0	43.2		ug/L		86	58 - 139	1	20
1,1-Dichloropropene	<0.30		50.0	44.9		ug/L		90	70 - 121	0	20
Ethylbenzene	<0.18		50.0	44.5		ug/L		89	70 - 123	1	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-185839-7 MSD

Matrix: Water

Analysis Batch: 555810

Client Sample ID: TW-4

Prep Type: Total/NA

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result			Result	Qualifier				Limits		Limit
Hexachlorobutadiene	<0.45		50.0	42.0		ug/L		84	51 - 150	6	20
Isopropylbenzene	<0.39		50.0	44.6		ug/L		89	70 - 126	1	20
Methylene Chloride	<1.6		50.0	45.6		ug/L		91	69 - 125	0	20
Methyl tert-butyl ether	<0.39		50.0	37.9		ug/L		76	55 - 123	1	20
Naphthalene	<0.34		50.0	48.9		ug/L		98	53 - 144	6	20
n-Butylbenzene	<0.39		50.0	40.4		ug/L		81	68 - 125	3	20
N-Propylbenzene	<0.41		50.0	43.2		ug/L		86	69 - 127	2	20
p-Isopropyltoluene	<0.36		50.0	41.7		ug/L		83	70 - 125	4	20
sec-Butylbenzene	<0.40		50.0	41.9		ug/L		84	70 - 123	3	20
Styrene	<0.39		50.0	43.2		ug/L		86	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	42.6		ug/L		85	70 - 121	3	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	44.6		ug/L		89	70 - 125	1	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	44.2		ug/L		88	62 - 140	3	20
Tetrachloroethene	<0.37		50.0	46.1		ug/L		92	70 - 128	2	20
Toluene	0.33	J	50.0	44.7		ug/L		89	70 - 125	2	20
trans-1,2-Dichloroethene	<0.35		50.0	44.8		ug/L		90	70 - 125	1	20
trans-1,3-Dichloropropene	<0.36		50.0	40.3		ug/L		81	62 - 128	3	20
1,2,3-Trichlorobenzene	<0.46		50.0	53.2		ug/L		106	51 - 145	8	20
1,2,4-Trichlorobenzene	<0.34		50.0	44.9		ug/L		90	57 - 137	6	20
1,1,1-Trichloroethane	<0.38		50.0	45.4		ug/L		91	70 - 125	0	20
1,1,2-Trichloroethane	<0.35		50.0	45.3		ug/L		91	71 - 130	1	20
Trichloroethene	<0.16		50.0	47.5		ug/L		95	70 - 125	0	20
Trichlorofluoromethane	<0.43		50.0	43.8		ug/L		88	55 - 128	13	20
1,2,3-Trichloropropane	<0.41		50.0	45.4		ug/L		91	50 - 133	3	20
1,2,4-Trimethylbenzene	<0.36		50.0	42.6		ug/L		85	70 - 123	3	20
1,3,5-Trimethylbenzene	<0.25		50.0	42.9		ug/L		86	70 - 123	3	20
Vinyl chloride	<0.20		50.0	50.0		ug/L		100	64 - 126	11	20
Xylenes, Total	<0.22		100	86.0		ug/L		86	70 - 125	2	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	103		75 - 120
1,2-Dichloroethane-d4 (Surr)	106		75 - 126
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: MB 500-556034/6

Matrix: Solid

Analysis Batch: 556034

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.25	0.15	ug/Kg			08/10/20 10:34	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			08/10/20 10:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			08/10/20 10:34	1
Bromoform	<0.48		1.0	0.48	ug/Kg			08/10/20 10:34	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			08/10/20 10:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			08/10/20 10:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-556034/6

Matrix: Solid

Analysis Batch: 556034

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloroethane	<0.50		1.0	0.50	ug/Kg			08/10/20 10:34	1
Chloroform	<0.37		2.0	0.37	ug/Kg			08/10/20 10:34	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			08/10/20 10:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			08/10/20 10:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			08/10/20 10:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			08/10/20 10:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			08/10/20 10:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			08/10/20 10:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			08/10/20 10:34	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			08/10/20 10:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			08/10/20 10:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			08/10/20 10:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			08/10/20 10:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			08/10/20 10:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			08/10/20 10:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			08/10/20 10:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			08/10/20 10:34	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			08/10/20 10:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			08/10/20 10:34	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			08/10/20 10:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			08/10/20 10:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			08/10/20 10:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			08/10/20 10:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			08/10/20 10:34	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			08/10/20 10:34	1
Styrene	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			08/10/20 10:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			08/10/20 10:34	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			08/10/20 10:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			08/10/20 10:34	1
Toluene	<0.15		0.25	0.15	ug/Kg			08/10/20 10:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			08/10/20 10:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			08/10/20 10:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			08/10/20 10:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			08/10/20 10:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			08/10/20 10:34	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			08/10/20 10:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			08/10/20 10:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			08/10/20 10:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-556034/6
Matrix: Solid
Analysis Batch: 556034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			08/10/20 10:34	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			08/10/20 10:34	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			08/10/20 10:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		08/10/20 10:34	1
Dibromofluoromethane (Surr)	94		75 - 120		08/10/20 10:34	1
1,2-Dichloroethane-d4 (Surr)	113		75 - 126		08/10/20 10:34	1
Toluene-d8 (Surr)	92		75 - 120		08/10/20 10:34	1

Lab Sample ID: MB 500-556582/6
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Carbon tetrachloride	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Chlorobenzene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Methyl Ethyl Ketone	<0.0025		0.0050	0.0025	mg/L			08/13/20 11:56	1
Chloroform	<0.0010		0.0020	0.0010	mg/L			08/13/20 11:56	1
1,2-Dichloroethane	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
1,1-Dichloroethene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Tetrachloroethene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Trichloroethene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Vinyl chloride	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		72 - 124		08/13/20 11:56	1
Dibromofluoromethane (Surr)	93		75 - 120		08/13/20 11:56	1
1,2-Dichloroethane-d4 (Surr)	108		75 - 126		08/13/20 11:56	1
Toluene-d8 (Surr)	95		75 - 120		08/13/20 11:56	1

Lab Sample ID: LCS 500-556582/4
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0497		mg/L		99	70 - 120
Carbon tetrachloride	0.0500	0.0531		mg/L		106	59 - 133
Chlorobenzene	0.0500	0.0501		mg/L		100	70 - 120
Methyl Ethyl Ketone	0.0500	0.0475		mg/L		95	46 - 144
Chloroform	0.0500	0.0486		mg/L		97	70 - 120
1,2-Dichloroethane	0.0500	0.0584		mg/L		117	68 - 127
1,1-Dichloroethene	0.0500	0.0465		mg/L		93	67 - 122
Tetrachloroethene	0.0500	0.0558		mg/L		112	70 - 128
Trichloroethene	0.0500	0.0520		mg/L		104	70 - 125
Vinyl chloride	0.0500	0.0498		mg/L		100	64 - 126

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-556582/4
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
Toluene-d8 (Surr)	96		75 - 120

Lab Sample ID: LB 500-556491/1-A
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			08/13/20 12:24	20
Chloroform	<0.020		0.040	0.020	mg/L			08/13/20 12:24	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Trichloroethene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	92		72 - 124		08/13/20 12:24	20
Dibromofluoromethane (Surr)	91		75 - 120		08/13/20 12:24	20
1,2-Dichloroethane-d4 (Surr)	106		75 - 126		08/13/20 12:24	20
Toluene-d8 (Surr)	94		75 - 120		08/13/20 12:24	20

Lab Sample ID: 500-185839-10 MS
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: WASTE-1
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzene	<0.010		1.00	1.01		mg/L		101	70 - 120
Carbon tetrachloride	<0.010		1.00	1.05		mg/L		105	59 - 133
Chlorobenzene	<0.010		1.00	1.00		mg/L		100	70 - 120
Methyl Ethyl Ketone	<0.050		1.00	0.790		mg/L		79	46 - 144
Chloroform	<0.020		1.00	1.02		mg/L		102	70 - 120
1,2-Dichloroethane	<0.010		1.00	1.20		mg/L		120	68 - 127
1,1-Dichloroethene	<0.010		1.00	0.931		mg/L		93	67 - 122
Tetrachloroethene	<0.010		1.00	1.06		mg/L		106	70 - 128
Trichloroethene	<0.010		1.00	1.04		mg/L		104	70 - 125
Vinyl chloride	<0.010		1.00	1.02		mg/L		102	64 - 126

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
1,2-Dichloroethane-d4 (Surr)	111		75 - 126
Toluene-d8 (Surr)	95		75 - 120

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 500-185839-10 MSD
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: WASTE-1
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.010		1.00	1.00		mg/L		100	70 - 120	1	20
Carbon tetrachloride	<0.010		1.00	1.04		mg/L		104	59 - 133	1	20
Chlorobenzene	<0.010		1.00	1.00		mg/L		100	70 - 120	0	20
Methyl Ethyl Ketone	<0.050		1.00	0.753		mg/L		75	46 - 144	5	20
Chloroform	<0.020		1.00	1.01		mg/L		101	70 - 120	0	20
1,2-Dichloroethane	<0.010		1.00	1.20		mg/L		120	68 - 127	0	20
1,1-Dichloroethene	<0.010		1.00	0.900		mg/L		90	67 - 122	3	20
Tetrachloroethene	<0.010		1.00	1.07		mg/L		107	70 - 128	1	20
Trichloroethene	<0.010		1.00	1.04		mg/L		104	70 - 125	0	20
Vinyl chloride	<0.010		1.00	0.968		mg/L		97	64 - 126	5	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	87		72 - 124								
Dibromofluoromethane (Surr)	98		75 - 120								
1,2-Dichloroethane-d4 (Surr)	111		75 - 126								
Toluene-d8 (Surr)	95		75 - 120								

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-555581/1-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.80	0.25	ug/L		08/06/20 07:28	08/06/20 20:34	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		08/06/20 07:28	08/06/20 20:34	1
Anthracene	<0.27		0.80	0.27	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzoic acid	<4.6		16	4.6	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzyl alcohol	<4.8		16	4.8	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		08/06/20 07:28	08/06/20 20:34	1
Bis(2-chloroethoxy)methane	<0.23		1.6	0.23	ug/L		08/06/20 07:28	08/06/20 20:34	1
Bis(2-chloroethyl)ether	<0.23		1.6	0.23	ug/L		08/06/20 07:28	08/06/20 20:34	1
Bis(2-ethylhexyl) phthalate	<1.4		8.0	1.4	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Bromophenyl phenyl ether	<0.43		4.0	0.43	ug/L		08/06/20 07:28	08/06/20 20:34	1
Butyl benzyl phthalate	<0.38		1.6	0.38	ug/L		08/06/20 07:28	08/06/20 20:34	1
Carbazole	<0.28		4.0	0.28	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Chloroaniline	<1.6		8.0	1.6	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Chloro-3-methylphenol	<1.8		8.0	1.8	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Chloronaphthalene	<0.19		1.6	0.19	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Chlorophenol	<0.45		4.0	0.45	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Chlorophenyl phenyl ether	<0.51		4.0	0.51	ug/L		08/06/20 07:28	08/06/20 20:34	1
Chrysene	<0.055		0.16	0.055	ug/L		08/06/20 07:28	08/06/20 20:34	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		08/06/20 07:28	08/06/20 20:34	1
Dibenzofuran	<0.21		1.6	0.21	ug/L		08/06/20 07:28	08/06/20 20:34	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555581/1-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.20		1.6	0.20	ug/L		08/06/20 07:28	08/06/20 20:34	1
1,3-Dichlorobenzene	<0.17		1.6	0.17	ug/L		08/06/20 07:28	08/06/20 20:34	1
1,4-Dichlorobenzene	<0.17		1.6	0.17	ug/L		08/06/20 07:28	08/06/20 20:34	1
3,3'-Dichlorobenzidine	<1.4		4.0	1.4	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4-Dichlorophenol	<2.1		8.0	2.1	ug/L		08/06/20 07:28	08/06/20 20:34	1
Diethyl phthalate	<0.29		4.0	0.29	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4-Dimethylphenol	<1.4		8.0	1.4	ug/L		08/06/20 07:28	08/06/20 20:34	1
Dimethyl phthalate	<0.25		4.0	0.25	ug/L		08/06/20 07:28	08/06/20 20:34	1
Di-n-butyl phthalate	<0.58		4.0	0.58	ug/L		08/06/20 07:28	08/06/20 20:34	1
4,6-Dinitro-2-methylphenol	<4.7		16	4.7	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4-Dinitrophenol	<6.9		16	6.9	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4-Dinitrotoluene	<0.20		0.80	0.20	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,6-Dinitrotoluene	<0.059		0.80	0.059	ug/L		08/06/20 07:28	08/06/20 20:34	1
Di-n-octyl phthalate	<0.84		8.0	0.84	ug/L		08/06/20 07:28	08/06/20 20:34	1
Fluoranthene	<0.36		0.80	0.36	ug/L		08/06/20 07:28	08/06/20 20:34	1
Fluorene	<0.20		0.80	0.20	ug/L		08/06/20 07:28	08/06/20 20:34	1
Hexachlorobenzene	<0.064		0.40	0.064	ug/L		08/06/20 07:28	08/06/20 20:34	1
Hexachlorobutadiene	<0.41		4.0	0.41	ug/L		08/06/20 07:28	08/06/20 20:34	1
Hexachlorocyclopentadiene	<5.1		16	5.1	ug/L		08/06/20 07:28	08/06/20 20:34	1
Hexachloroethane	<0.48		4.0	0.48	ug/L		08/06/20 07:28	08/06/20 20:34	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		08/06/20 07:28	08/06/20 20:34	1
Isophorone	<0.30		1.6	0.30	ug/L		08/06/20 07:28	08/06/20 20:34	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Methylphenol	<0.24		1.6	0.24	ug/L		08/06/20 07:28	08/06/20 20:34	1
3 & 4 Methylphenol	<0.36		1.6	0.36	ug/L		08/06/20 07:28	08/06/20 20:34	1
Naphthalene	<0.25		0.80	0.25	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Nitroaniline	<1.0		4.0	1.0	ug/L		08/06/20 07:28	08/06/20 20:34	1
3-Nitroaniline	<1.4		8.0	1.4	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Nitroaniline	<1.3		8.0	1.3	ug/L		08/06/20 07:28	08/06/20 20:34	1
Nitrobenzene	<0.36		0.80	0.36	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Nitrophenol	<2.0		8.0	2.0	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Nitrophenol	<5.9		16	5.9	ug/L		08/06/20 07:28	08/06/20 20:34	1
N-Nitrosodi-n-propylamine	<0.12		0.40	0.12	ug/L		08/06/20 07:28	08/06/20 20:34	1
N-Nitrosodiphenylamine	<0.30		1.6	0.30	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,2'-oxybis[1-chloropropane]	<0.30		1.6	0.30	ug/L		08/06/20 07:28	08/06/20 20:34	1
Pentachlorophenol	<3.2		16	3.2	ug/L		08/06/20 07:28	08/06/20 20:34	1
Phenanthrene	<0.24		0.80	0.24	ug/L		08/06/20 07:28	08/06/20 20:34	1
Phenol	<0.54		4.0	0.54	ug/L		08/06/20 07:28	08/06/20 20:34	1
Pyrene	<0.34		0.80	0.34	ug/L		08/06/20 07:28	08/06/20 20:34	1
1,2,4-Trichlorobenzene	<0.19		1.6	0.19	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4,5-Trichlorophenol	<2.1		8.0	2.1	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4,6-Trichlorophenol	<0.57		4.0	0.57	ug/L		08/06/20 07:28	08/06/20 20:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		34 - 110	08/06/20 07:28	08/06/20 20:34	1
2-Fluorophenol (Surr)	88		27 - 110	08/06/20 07:28	08/06/20 20:34	1
Nitrobenzene-d5 (Surr)	87		36 - 120	08/06/20 07:28	08/06/20 20:34	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555581/1-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555581

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Phenol-d5 (Surr)	67		20 - 110	08/06/20 07:28	08/06/20 20:34	1
Terphenyl-d14 (Surr)	124		40 - 145	08/06/20 07:28	08/06/20 20:34	1
2,4,6-Tribromophenol (Surr)	92		40 - 145	08/06/20 07:28	08/06/20 20:34	1

Lab Sample ID: LCS 500-555581/2-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	32.0	22.3		ug/L		70	46 - 110
Acenaphthylene	32.0	22.0		ug/L		69	47 - 113
Anthracene	32.0	28.9		ug/L		90	67 - 118
Benzo[a]anthracene	32.0	31.0		ug/L		97	70 - 126
Benzo[a]pyrene	32.0	32.6		ug/L		102	70 - 135
Benzoic acid	64.0	20.8		ug/L		33	10 - 112
Benzo[b]fluoranthene	32.0	35.4		ug/L		111	69 - 136
Benzo[g,h,i]perylene	32.0	33.4		ug/L		105	70 - 135
Benzyl alcohol	32.0	27.1		ug/L		85	46 - 132
Benzo[k]fluoranthene	32.0	35.2		ug/L		110	70 - 133
Bis(2-chloroethoxy)methane	32.0	27.5		ug/L		86	59 - 118
Bis(2-chloroethyl)ether	32.0	25.3		ug/L		79	54 - 112
Bis(2-ethylhexyl) phthalate	32.0	32.9		ug/L		103	69 - 136
4-Bromophenyl phenyl ether	32.0	24.7		ug/L		77	58 - 120
Butyl benzyl phthalate	32.0	32.4		ug/L		101	68 - 135
Carbazole	32.0	30.2		ug/L		94	61 - 145
4-Chloroaniline	32.0	23.9		ug/L		75	35 - 128
4-Chloro-3-methylphenol	32.0	27.9		ug/L		87	64 - 128
2-Chloronaphthalene	32.0	19.0		ug/L		59	39 - 110
2-Chlorophenol	32.0	24.1		ug/L		75	59 - 110
4-Chlorophenyl phenyl ether	32.0	22.0		ug/L		69	48 - 116
Chrysene	32.0	30.2		ug/L		94	68 - 129
Dibenz(a,h)anthracene	32.0	32.7		ug/L		102	70 - 134
Dibenzofuran	32.0	22.6		ug/L		71	51 - 110
1,2-Dichlorobenzene	32.0	15.3		ug/L		48	26 - 110
1,3-Dichlorobenzene	32.0	14.5		ug/L		45	22 - 110
1,4-Dichlorobenzene	32.0	14.7		ug/L		46	23 - 110
3,3'-Dichlorobenzidine	32.0	28.9		ug/L		90	60 - 132
2,4-Dichlorophenol	32.0	26.1		ug/L		81	58 - 120
Diethyl phthalate	32.0	29.0		ug/L		91	62 - 123
2,4-Dimethylphenol	32.0	26.9		ug/L		84	51 - 115
Dimethyl phthalate	32.0	30.3		ug/L		95	63 - 122
Di-n-butyl phthalate	32.0	31.3		ug/L		98	69 - 129
4,6-Dinitro-2-methylphenol	64.0	61.2		ug/L		96	50 - 129
2,4-Dinitrophenol	64.0	56.0		ug/L		87	37 - 130
2,4-Dinitrotoluene	32.0	31.2		ug/L		97	63 - 129
2,6-Dinitrotoluene	32.0	31.1		ug/L		97	63 - 129
Di-n-octyl phthalate	32.0	31.1		ug/L		97	68 - 137
Fluoranthene	32.0	31.2		ug/L		98	68 - 126

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-555581/2-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	32.0	24.1		ug/L		75	53 - 120
Hexachlorobenzene	32.0	28.1		ug/L		88	61 - 126
Hexachlorobutadiene	32.0	16.0		ug/L		50	20 - 100
Hexachlorocyclopentadiene	32.0	17.4		ug/L		54	10 - 105
Hexachloroethane	32.0	14.2		ug/L		44	20 - 100
Indeno[1,2,3-cd]pyrene	32.0	36.4		ug/L		114	65 - 133
Isophorone	32.0	28.5		ug/L		89	54 - 127
1-Methylnaphthalene	32.0	18.5		ug/L		58	38 - 110
2-Methylnaphthalene	32.0	18.8		ug/L		59	34 - 110
2-Methylphenol	32.0	26.1		ug/L		82	53 - 115
3 & 4 Methylphenol	32.0	25.6		ug/L		80	50 - 116
Naphthalene	32.0	18.0		ug/L		56	36 - 110
2-Nitroaniline	32.0	30.0		ug/L		94	59 - 138
3-Nitroaniline	32.0	23.0		ug/L		72	47 - 123
4-Nitroaniline	32.0	21.5		ug/L		67	35 - 110
Nitrobenzene	32.0	25.3		ug/L		79	54 - 121
2-Nitrophenol	32.0	25.4		ug/L		79	59 - 115
4-Nitrophenol	64.0	40.9		ug/L		64	20 - 110
N-Nitrosodi-n-propylamine	32.0	29.6		ug/L		93	47 - 131
N-Nitrosodiphenylamine	32.0	29.7		ug/L		93	66 - 120
2,2'-oxybis[1-chloropropane]	32.0	23.1		ug/L		72	38 - 140
Pentachlorophenol	64.0	56.2		ug/L		88	42 - 148
Phenanthrene	32.0	28.5		ug/L		89	65 - 120
Phenol	32.0	17.2		ug/L		54	33 - 100
Pyrene	32.0	30.0		ug/L		94	70 - 126
1,2,4-Trichlorobenzene	32.0	15.9		ug/L		50	26 - 110
2,4,5-Trichlorophenol	32.0	27.8		ug/L		87	63 - 124
2,4,6-Trichlorophenol	32.0	27.4		ug/L		86	62 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	82		34 - 110
2-Fluorophenol (Surr)	78		27 - 110
Nitrobenzene-d5 (Surr)	89		36 - 120
Phenol-d5 (Surr)	59		20 - 110
Terphenyl-d14 (Surr)	102		40 - 145
2,4,6-Tribromophenol (Surr)	102		40 - 145

Lab Sample ID: LCS 500-556405/2-A
Matrix: Solid
Analysis Batch: 556515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556405

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1330	1250		ug/Kg		94	65 - 124
Acenaphthylene	1330	1290		ug/Kg		97	68 - 120
Anthracene	1330	1120		ug/Kg		84	70 - 114
Benzo[a]anthracene	1330	1250		ug/Kg		93	67 - 122
Benzo[a]pyrene	1330	1350		ug/Kg		101	65 - 133
Benzo[b]fluoranthene	1330	1340		ug/Kg		101	69 - 129

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-556405/2-A
Matrix: Solid
Analysis Batch: 556515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556405

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	1330	1350		ug/Kg		101	72 - 131
Benzo[k]fluoranthene	1330	1380		ug/Kg		103	68 - 127
Chrysene	1330	1280		ug/Kg		96	63 - 120
Dibenz(a,h)anthracene	1330	1370		ug/Kg		103	64 - 131
Fluoranthene	1330	1140		ug/Kg		86	62 - 120
Fluorene	1330	1250		ug/Kg		94	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1320		ug/Kg		99	68 - 130
1-Methylnaphthalene	1330	1200		ug/Kg		90	68 - 111
2-Methylnaphthalene	1330	1220		ug/Kg		91	69 - 112
Naphthalene	1330	1210		ug/Kg		91	63 - 110
Phenanthrene	1330	1140		ug/Kg		85	62 - 120
Pyrene	1330	1310		ug/Kg		98	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	89		43 - 145
Nitrobenzene-d5 (Surr)	102		37 - 147
Terphenyl-d14 (Surr)	99		42 - 157

Lab Sample ID: MB 500-557881/1-A
Matrix: Solid
Analysis Batch: 557972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 10:11	1
1,4-Dichlorobenzene	<0.0020		0.0020	0.0020	mg/L		08/20/20 19:25	08/21/20 10:11	1
2,4-Dinitrotoluene	<0.0010		0.0010	0.0010	mg/L		08/20/20 19:25	08/21/20 10:11	1
Hexachlorobenzene	<0.00050		0.00050	0.00050	mg/L		08/20/20 19:25	08/21/20 10:11	1
Hexachlorobutadiene	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 10:11	1
Hexachloroethane	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 10:11	1
2-Methylphenol	<0.0020		0.0020	0.0020	mg/L		08/20/20 19:25	08/21/20 10:11	1
3 & 4 Methylphenol	<0.0020		0.0020	0.0020	mg/L		08/20/20 19:25	08/21/20 10:11	1
Nitrobenzene	<0.0010		0.0010	0.0010	mg/L		08/20/20 19:25	08/21/20 10:11	1
Pentachlorophenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 10:11	1
2,4,5-Trichlorophenol	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 10:11	1
2,4,6-Trichlorophenol	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 10:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		34 - 110	08/20/20 19:25	08/21/20 10:11	1
2-Fluorophenol (Surr)	48		27 - 110	08/20/20 19:25	08/21/20 10:11	1
Nitrobenzene-d5 (Surr)	94		36 - 120	08/20/20 19:25	08/21/20 10:11	1
Phenol-d5 (Surr)	21		20 - 100	08/20/20 19:25	08/21/20 10:11	1
Terphenyl-d14 (Surr)	105		40 - 145	08/20/20 19:25	08/21/20 10:11	1
2,4,6-Tribromophenol (Surr)	125		40 - 145	08/20/20 19:25	08/21/20 10:11	1

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-557881/2-A
Matrix: Solid
Analysis Batch: 557972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Pyridine	0.0800	0.0473		mg/L		59	15 - 110
1,4-Dichlorobenzene	0.0400	0.0306		mg/L		77	23 - 110
2,4-Dinitrotoluene	0.0400	0.0397		mg/L		99	63 - 129
Hexachlorobenzene	0.0400	0.0463		mg/L		116	61 - 126
Hexachlorobutadiene	0.0400	0.0357		mg/L		89	20 - 100
Hexachloroethane	0.0400	0.0292		mg/L		73	20 - 100
2-Methylphenol	0.0400	0.0352		mg/L		88	53 - 115
3 & 4 Methylphenol	0.0400	0.0332		mg/L		83	50 - 116
Nitrobenzene	0.0400	0.0484		mg/L		121	54 - 121
Pentachlorophenol	0.0800	0.0738		mg/L		92	42 - 148
2,4,5-Trichlorophenol	0.0400	0.0371		mg/L		93	63 - 124
2,4,6-Trichlorophenol	0.0400	0.0423		mg/L		106	62 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	99		34 - 110
2-Fluorophenol (Surr)	61		27 - 110
Nitrobenzene-d5 (Surr)	108		36 - 120
Phenol-d5 (Surr)	30		20 - 100
Terphenyl-d14 (Surr)	105		40 - 145
2,4,6-Tribromophenol (Surr)	145		40 - 145

Lab Sample ID: LB 500-556700/1-D
Matrix: Solid
Analysis Batch: 557972

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 557881

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<0.20		0.20	0.20	mg/L		08/20/20 19:25	08/21/20 09:48	1
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 09:48	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 09:48	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 09:48	1
Hexachlorobutadiene	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 09:48	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 09:48	1
2-Methylphenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 09:48	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 09:48	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 09:48	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		08/20/20 19:25	08/21/20 09:48	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		08/20/20 19:25	08/21/20 09:48	1
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 09:48	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		34 - 110	08/20/20 19:25	08/21/20 09:48	1
2-Fluorophenol (Surr)	39		27 - 110	08/20/20 19:25	08/21/20 09:48	1
Nitrobenzene-d5 (Surr)	88		36 - 120	08/20/20 19:25	08/21/20 09:48	1
Phenol-d5 (Surr)	25		20 - 100	08/20/20 19:25	08/21/20 09:48	1
Terphenyl-d14 (Surr)	101		40 - 145	08/20/20 19:25	08/21/20 09:48	1
2,4,6-Tribromophenol (Surr)	130		40 - 145	08/20/20 19:25	08/21/20 09:48	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: LCS 500-555087/20-A
Matrix: Solid
Analysis Batch: 556337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555087
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
WI Gasoline Range Organics (C5-C10)	20.0	19.9		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 500-555087/21-A
Matrix: Solid
Analysis Batch: 556337

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 555087
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
WI Gasoline Range Organics (C5-C10)	20.0	19.9		mg/Kg		99	80 - 120	0	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-556801/1-A
Matrix: Solid
Analysis Batch: 556980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1221	<7.3		17	7.3	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1232	<7.3		17	7.3	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1242	<5.5		17	5.5	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1248	<6.6		17	6.6	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1254	<3.6		17	3.6	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1260	<8.2		17	8.2	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
Polychlorinated biphenyls, Total	<3.2		17	3.2	ug/Kg		08/14/20 06:37	08/14/20 20:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		49 - 129	08/14/20 06:37	08/14/20 20:42	1
DCB Decachlorobiphenyl	116		37 - 121	08/14/20 06:37	08/14/20 20:42	1

Lab Sample ID: LCS 500-556801/2-A
Matrix: Solid
Analysis Batch: 556980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556801
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	167	175		ug/Kg		105	57 - 120
PCB-1260	167	191		ug/Kg		115	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	94		49 - 129
DCB Decachlorobiphenyl	120		37 - 121

Lab Sample ID: 500-185839-10 MS
Matrix: Solid
Analysis Batch: 556980

Client Sample ID: WASTE-1
Prep Type: Total/NA
Prep Batch: 556801
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	<6.6		182	165		ug/Kg	☼	91	57 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 500-185839-10 MS

Matrix: Solid

Analysis Batch: 556980

Client Sample ID: WASTE-1

Prep Type: Total/NA

Prep Batch: 556801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	<9.2		182	177		ug/Kg	☒	97	61 - 125
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	83		49 - 129						
DCB Decachlorobiphenyl	183	X	37 - 121						

Lab Sample ID: 500-185839-10 MSD

Matrix: Solid

Analysis Batch: 556980

Client Sample ID: WASTE-1

Prep Type: Total/NA

Prep Batch: 556801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	<6.6		185	178		ug/Kg	☒	97	57 - 120	8	30
PCB-1260	<9.2		185	193		ug/Kg	☒	104	61 - 125	9	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	88		49 - 129								
DCB Decachlorobiphenyl	194	X	37 - 121								

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Lab Sample ID: MB 500-555849/1-A

Matrix: Solid

Analysis Batch: 556055

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 555849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	<1.6		4.0	1.6	mg/Kg		08/07/20 09:40	08/10/20 08:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Nonane	81		44 - 148				08/07/20 09:40	08/10/20 08:57	1

Lab Sample ID: LCS 500-555849/2-A

Matrix: Solid

Analysis Batch: 556055

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 555849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
WI Diesel Range Organics (C10-C28)	20.0	17.9		mg/Kg		89	70 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Nonane	75		44 - 148				

Lab Sample ID: LCSD 500-555849/3-A

Matrix: Solid

Analysis Batch: 556055

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 555849

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
WI Diesel Range Organics (C10-C28)	20.0	18.6		mg/Kg		93	70 - 120	4	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC) (Continued)

Lab Sample ID: LCSD 500-555849/3-A
Matrix: Solid
Analysis Batch: 556055

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 555849

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
n-Nonane	77		44 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 500-557085/2-A
Matrix: Solid
Analysis Batch: 557303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.100	0.108		mg/L		108	80 - 120
Barium	0.500	0.505		mg/L		101	80 - 120
Cadmium	0.0500	0.0516		mg/L		103	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Copper	0.250	0.263		mg/L		105	80 - 120
Lead	0.100	0.0971		mg/L		97	80 - 120
Nickel	0.500	0.523		mg/L		105	80 - 120
Selenium	0.100	0.110		mg/L		110	80 - 120
Silver	0.0500	0.0518		mg/L		104	80 - 120
Zinc	0.500	0.579		mg/L		116	80 - 120

Lab Sample ID: LB 500-556700/1-B
Matrix: Solid
Analysis Batch: 557303

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 557085

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.010		0.050	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Barium	<0.050		0.50	0.050	mg/L		08/17/20 06:00	08/17/20 22:07	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		08/17/20 06:00	08/17/20 22:07	1
Chromium	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Copper	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Lead	<0.0075		0.050	0.0075	mg/L		08/17/20 06:00	08/17/20 22:07	1
Nickel	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Selenium	<0.020		0.050	0.020	mg/L		08/17/20 06:00	08/17/20 22:07	1
Silver	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Zinc	<0.020		0.10	0.020	mg/L		08/17/20 06:00	08/17/20 22:07	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-556536/1-A
Matrix: Solid
Analysis Batch: 556694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556536

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.34		1.0	0.34	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Barium	<0.11		1.0	0.11	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Cadmium	<0.036		0.20	0.036	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Chromium	0.666	J	1.0	0.50	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Lead	<0.23		0.50	0.23	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Selenium	<0.59		1.0	0.59	mg/Kg		08/12/20 19:04	08/13/20 08:18	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 500-556536/1-A
Matrix: Solid
Analysis Batch: 556694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.13		0.50	0.13	mg/Kg		08/12/20 19:04	08/13/20 08:18	1

Lab Sample ID: LCS 500-556536/2-A
Matrix: Solid
Analysis Batch: 556694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.0	8.85		mg/Kg		89	80 - 120
Barium	200	184		mg/Kg		92	80 - 120
Cadmium	5.00	4.50		mg/Kg		90	80 - 120
Chromium	20.0	19.0		mg/Kg		95	80 - 120
Lead	10.0	9.45		mg/Kg		94	80 - 120
Selenium	10.0	8.04		mg/Kg		80	80 - 120
Silver	5.00	4.63		mg/Kg		93	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-555288/1-A
Matrix: Water
Analysis Batch: 555668

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 555288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		08/04/20 17:41	08/05/20 15:18	1
Barium	<0.73		2.5	0.73	ug/L		08/04/20 17:41	08/05/20 15:18	1
Cadmium	<0.17		0.50	0.17	ug/L		08/04/20 17:41	08/05/20 15:18	1
Chromium	<1.1		5.0	1.1	ug/L		08/04/20 17:41	08/05/20 15:18	1
Lead	<0.19		0.50	0.19	ug/L		08/04/20 17:41	08/05/20 15:18	1
Selenium	<0.98		2.5	0.98	ug/L		08/04/20 17:41	08/05/20 15:18	1
Silver	<0.12		0.50	0.12	ug/L		08/04/20 17:41	08/05/20 15:18	1

Lab Sample ID: LCS 500-555288/2-A
Matrix: Water
Analysis Batch: 555668

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 555288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	90.4		ug/L		90	80 - 120
Barium	500	461		ug/L		92	80 - 120
Cadmium	50.0	46.7		ug/L		93	80 - 120
Chromium	200	185		ug/L		93	80 - 120
Lead	100	94.9		ug/L		95	80 - 120
Selenium	100	93.6		ug/L		94	80 - 120
Silver	50.0	45.9		ug/L		92	80 - 120

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 500-556256/13-A
Matrix: Water
Analysis Batch: 556442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556256
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	2.00	1.92		ug/L		96	80 - 120

Lab Sample ID: MB 500-557189/12-A
Matrix: Solid
Analysis Batch: 557396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557189

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/17/20 10:10	08/18/20 08:28	1

Lab Sample ID: LCS 500-557189/14-A
Matrix: Solid
Analysis Batch: 557396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557189
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00203		mg/L		101	80 - 120

Lab Sample ID: MB 500-555396/1-D
Matrix: Water
Analysis Batch: 556442

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 556256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/11/20 09:45	08/12/20 08:05	1

Lab Sample ID: LB 500-556700/1-C
Matrix: Solid
Analysis Batch: 557396

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 557189

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/17/20 10:10	08/18/20 08:30	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-556452/12-A
Matrix: Solid
Analysis Batch: 556665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		08/12/20 13:10	08/13/20 08:11	1

Lab Sample ID: LCS 500-556452/13-A
Matrix: Solid
Analysis Batch: 556665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556452
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.167	0.171		mg/Kg		102	80 - 120

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 500-555817/1-A
Matrix: Water
Analysis Batch: 555820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	<1.3		5.0	1.3	mg/L		08/07/20 08:10	08/07/20 08:16	1

Lab Sample ID: LCS 500-555817/2-A
Matrix: Water
Analysis Batch: 555820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555817
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
HEM	40.0	31.30		mg/L		78	78 - 114

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 500-556435/1-A
Matrix: Solid
Analysis Batch: 556691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.12		0.24	0.12	mg/Kg		08/12/20 09:45	08/12/20 12:53	1

Lab Sample ID: HLCS 500-556435/2-A
Matrix: Solid
Analysis Batch: 556691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556435
%Rec.

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	12.0	11.0		mg/Kg		92	90 - 110

Lab Sample ID: LCS 500-556435/3-A
Matrix: Solid
Analysis Batch: 556691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556435
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	2.40	2.03		mg/Kg		85	85 - 115

Lab Sample ID: LLCS 500-556435/4-A
Matrix: Solid
Analysis Batch: 556691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556435
%Rec.

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	1.20	1.31		mg/Kg		109	75 - 125

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-556729/1-A
Matrix: Solid
Analysis Batch: 556764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Sulfide	<4.7		10	4.7	mg/Kg		08/13/20 17:25	08/14/20 00:10	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCS 500-556729/2-A
Matrix: Solid
Analysis Batch: 556764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556729
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Sulfide	203	190		mg/Kg		94	80 - 120

Method: 9045C - pH

Lab Sample ID: 500-185839-10 DU
Matrix: Solid
Analysis Batch: 557145

Client Sample ID: WASTE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.3		8.3		SU		0.4	

Method: 9251 - Chlorine, Total

Lab Sample ID: MB 680-629411/1-A
Matrix: Solid
Analysis Batch: 629464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chlorine	<0.020		0.020	0.020	%		08/07/20 12:16	08/07/20 16:25	1

Lab Sample ID: LCS 680-629411/2-A
Matrix: Solid
Analysis Batch: 629464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629411
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Chlorine	0.990	0.949		%		96	70 - 130

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Date Collected: 07/30/20 08:35

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-1 7.5-10

Date Collected: 07/30/20 08:35

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-1

Matrix: Solid

Percent Solids: 68.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 08:35	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 13:55	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		10	556515	08/13/20 04:35	SS	TAL CHI
Total/NA	Prep	3541	DL		556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D	DL	50	556625	08/13/20 18:59	AJD	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:21	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:19	MJG	TAL CHI

Client Sample ID: GP-2 2.5-5

Date Collected: 07/30/20 09:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-2 2.5-5

Date Collected: 07/30/20 09:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-2

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 09:00	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 14:20	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		10	556515	08/13/20 05:01	SS	TAL CHI
Total/NA	Prep	3541	DL		556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D	DL	50	556625	08/13/20 19:23	AJD	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:25	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:32	MJG	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-3 5-7.5

Date Collected: 07/30/20 09:15

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-3 5-7.5

Date Collected: 07/30/20 09:15

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-3

Matrix: Solid

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 09:15	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 14:45	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		1	556515	08/12/20 21:39	SS	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:29	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:34	MJG	TAL CHI

Client Sample ID: GP-4 7.5-10

Date Collected: 07/30/20 09:45

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-4 7.5-10

Date Collected: 07/30/20 09:45

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-4

Matrix: Solid

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 09:45	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 15:35	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		1	556515	08/12/20 22:05	SS	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:33	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:36	MJG	TAL CHI

Client Sample ID: GP-5 2.5-5

Date Collected: 07/30/20 10:15

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Date Collected: 07/30/20 10:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	WI GRO			555087	07/30/20 10:15	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 16:01	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		1	556515	08/12/20 22:31	SS	TAL CHI
Total/NA	Prep	WI GRO			555087	07/30/20 10:15	EMA	TAL CHI
Total/NA	Analysis	WI-GRO		50	556337	08/12/20 22:39	WRE	TAL CHI
Total/NA	Prep	WI DRO PREP			555849	08/07/20 09:40	DAK	TAL CHI
Total/NA	Analysis	WI-DRO		1	556055	08/10/20 10:42	JBK	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:37	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:38	MJG	TAL CHI

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 10:30	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 16:26	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		1	556515	08/12/20 22:58	SS	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:41	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:40	MJG	TAL CHI

Client Sample ID: TW-4

Lab Sample ID: 500-185839-7

Date Collected: 07/30/20 10:40

Matrix: Water

Date Received: 08/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	555810	08/07/20 13:30	STW	TAL CHI
Total/NA	Prep	3510C			555581	08/06/20 07:28	DAK	TAL CHI
Total/NA	Analysis	8270D		1	555728	08/07/20 03:23	NRJ	TAL CHI
Dissolved	Prep	3005A			555288	08/04/20 17:41	BDE	TAL CHI
Dissolved	Analysis	6020A		1	555668	08/05/20 16:47	FXG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4

Date Collected: 07/30/20 10:40

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			556256	08/11/20 09:45	MJG	TAL CHI
Dissolved	Analysis	7470A		1	556442	08/12/20 08:24	MJG	TAL CHI
Total/NA	Prep	1664B			555817	08/07/20 08:10	TMS	TAL CHI
Total/NA	Analysis	1664B		1	555820	08/07/20 08:16	TMS	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 07/30/20 00:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 12:00	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 12:38	STW	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 07/30/20 00:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	555810	08/07/20 13:05	STW	TAL CHI

Client Sample ID: WASTE-1

Date Collected: 07/30/20 11:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			556491	08/12/20 13:50	JLC	TAL CHI
TCLP	Analysis	8260B		20	556582	08/13/20 20:06	STW	TAL CHI
TCLP	Leach	1311			556700	08/13/20 12:32	JLC	TAL CHI
TCLP	Prep	3510C			557881	08/20/20 19:25	ACK	TAL CHI
TCLP	Analysis	8270D		1	557995	08/21/20 11:53	AJD	TAL CHI
TCLP	Leach	1311			556700	08/13/20 12:32	JLC	TAL CHI
TCLP	Prep	3010A			557085	08/17/20 06:00	LMN	TAL CHI
TCLP	Analysis	6010B		1	557303	08/18/20 00:22	EEN	TAL CHI
TCLP	Leach	1311			556700	08/13/20 12:32	JLC	TAL CHI
TCLP	Prep	7470A			557189	08/17/20 10:10	MJG	TAL CHI
TCLP	Analysis	7470A		1	557396	08/18/20 09:11	MJG	TAL CHI
Total/NA	Analysis	1010A		1	556772	(Start) 08/13/20 20:00 (End) 08/13/20 21:05	SJP	TAL CHI
Total/NA	Prep	9010C			556435	08/12/20 09:45	MS	TAL CHI
Total/NA	Analysis	9012B		1	556691	(Start) 08/12/20 15:51 (End) 08/12/20 15:58	MS	TAL CHI
Total/NA	Prep	9030B			556729	08/13/20 17:25	SJP	TAL CHI
Total/NA	Analysis	9034		1	556764	08/14/20 00:13	SJP	TAL CHI
Total/NA	Analysis	9045C		1	557145	08/14/20 17:21	SMO	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9095B		1	556770		SJP	TAL CHI
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI
Total/NA	Analysis	SM 2710F		1	556942	08/14/20 16:22	PFK	TAL CHI

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			556801	08/14/20 06:37	DAK	TAL CHI
Total/NA	Analysis	8082A		1	556980	08/14/20 21:13	SS	TAL CHI
Total/NA	Prep	5050			629411	08/07/20 12:16	SM	TAL SAV
Total/NA	Analysis	9251		1	629464	08/07/20 16:25	SM	TAL SAV

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Laboratory: Eurofins TestAmerica, Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-21
Alaska	State	GA00006	06-30-21
Alaska (UST)	State	17-016	09-30-20
ANAB	Dept. of Defense ELAP	L2463	09-22-22
ANAB	ISO/IEC 17025	L2463.01	09-22-22
Arizona	State	AZ0808	12-14-20
Arkansas DEQ	State	19-015-0	02-02-21
California	State	2939	06-30-21
Colorado	State	GA00006	12-31-20
Connecticut	State	PH-0161	03-31-21
Florida	NELAP	E87052	06-30-21
Georgia	State	E87052	06-30-21
Georgia (DW)	State	803	06-30-21
Guam	State	19-007R	04-17-21
Hawaii	State	<cert No.>	06-30-21
Illinois	NELAP	200022	11-30-20
Indiana	State	C-GA-02	06-30-21
Iowa	State	353	06-30-21
Kansas	NELAP	E-10322	10-15-20
Kentucky (DW)	State	KY90084	12-31-21
Kentucky (UST)	State	<cert No.>	06-30-21
Kentucky (WW)	State	KY90084	12-31-20
Louisiana	NELAP	02011	06-30-21
Louisiana (DW)	State	LA009	12-31-20
Maine	State	GA00006	09-26-20
Maryland	State	250	12-31-20
Massachusetts	State	M-GA006	06-30-21
Michigan	State	9925	06-30-21
Mississippi	State	<cert No.>	06-30-21
Nebraska	State	NE-OS-7-04	06-30-21
New Jersey	NELAP	GA769	06-30-21
New Mexico	State	GA00006	06-30-21
New York	NELAP	10842	04-01-21
North Carolina (DW)	State	13701	07-31-21
North Carolina (WW/SW)	State	269	12-31-20
Oklahoma	State	9984	08-31-20
Pennsylvania	NELAP	68-00474	06-30-21
Puerto Rico	State	GA00006	01-01-21
South Carolina	State	98001	06-30-21
Tennessee	State	02961	06-30-21
Texas	NELAP	T1047004185-19-14	11-30-20
Texas	TCEQ Water Supply	T104704185	06-30-21
US Fish & Wildlife	US Federal Programs	LE058448-0	08-01-21

Eurofins TestAmerica, Chicago

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Laboratory: Eurofins TestAmerica, Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
USDA	US Federal Programs	P330-18-00313	10-29-21
Virginia	NELAP	10509	06-14-21
Washington	State	C805	06-10-21
West Virginia (DW)	State	9950C	12-31-20
West Virginia DEP	State	094	07-31-20 *
Wisconsin	State	999819810	08-31-21
Wyoming	State	8TMS-L	06-30-20 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Chicago



Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



11111
 44444

Client Information		Sampler <i>Wesley Bragan</i>		Lab PM. Fredrick Sandie													
Client Contact Mr. Bryan Bergmann <i>Ted O'Connell</i>		Phone <i>608-234-7374</i>		E-Mail sandie.fredrick@testamericainc.com													
Company TRC Environmental Corporation.		Due Date Requested:		Analysis Requi													
Address <i>150 N. Patrick Blvd. Suite 100</i> <i>708 Heartland Tr. STE 3000</i>		TAT Requested (days):		500-185839 COC													
City <i>Medison</i>		Purchase Order Requested 155511		Job # <i>500-185839</i>													
State, Zip <i>WI, 53005 53717</i>		PO #		Preservation Codes:													
Phone <i>608-234-7374</i>		WO #		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - NaCS2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecylhydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)													
Project Name 393855		Project # 50016869		Other:													
Site <i>John Nolen and Law Park (5400-00-02)</i>		SSCW#		Total Number of Containers													
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Performs MS/MS (Yes or No)	8260B - VOC	6010C, 7471B, 8270D	WI_DRO - WI_DRO	WI_GRO - WI_GRO	8260B - VOC	6020A, 7470A	8270D - SVOC	1664B - HEM Oil and Grease/SST	Protocol B	Special Instructions/Note:
1	GP-1 7.5-10	7/30/20	0835	C	Solid	N	N	X	X								3
2	GP-2 2.5-5	7/30/20	900	C	Solid	N	N	X	X								3
3	GP-3 5-7.5	7/30/20	915	C	Solid	N	N	X	X								3
4	GP-4 7.5-10	7/30/20	945	C	S Water	N	N	X	X								3
5	GP-5 2.5-5	7/30/20	1015	C	S Water	N	N	X	X	X	X						5
6	GP-6 2.5-5	7/30/20	1030	C	S	N	N	X	X								3
7	Tw-4	7/30/20	1040	G	W	N	N					X	X	X	X		6
8-9	Trip Blank	-	-	-	S/W	N	N	X				X					2
10	WASTE-1	7/30/20	1100	C	S	N	N								X		3

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Radioisotical

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): Return To Client Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>Wesley Bragan</i>	Date/Time: <i>7/31/20 1700</i>	Company: <i>TRC</i>	Received by: <i>Stephanie Hernandez</i> Date/Time: <i>8/11/20 1000</i> Company: <i>TA-CHI</i>
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: Yes No Custody Seal No: _____

Cooler Temperature(s) °C and Other Remarks: *4c1*

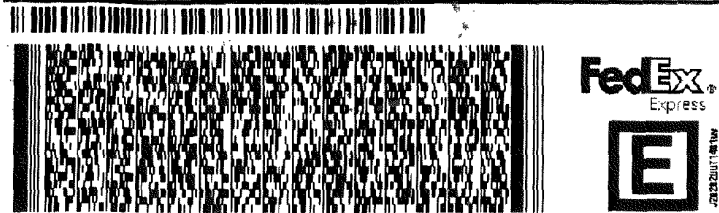
IN ID:MSNA (608) 234-7374
LEY BRAGA
COMPANIES
C ENVIRONMENTAL CORPORATION
08 HEARTLAND TRAIL, SUITE 3000
MADISON, WI 53717
UNITED STATES US

SHIP DATE: 31 JUL 20
ACTWGT: 48.70 LB
CAD: 109993720/INET4280
DIMS: 14x22x14 IN
BILL SENDER

TO **SAMPLE RECEIVING**
TESTAMERICA LABS - CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484

(865) 291-3000 REF. 393855 0000 0000 000000 000000
INV. DEPT:



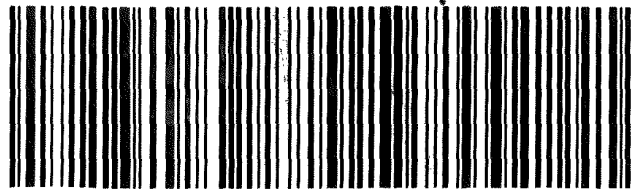
SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 7711 5094 1302
0201

X0 JOTA

60484

IL-US ORD



48qt.



500-185839 Wayt

58LJ06648766

- 1
- 2
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Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 500-138193.1
Company: TestAmerica Laboratories, Inc.		E-Mail: sandie.fredrick@testamericainc.com	Page: Page 1 of 1
Address: 5102 LaRoche Avenue, Savannah, GA, 31404		State of Origin: Wisconsin	Job #: 500-185839-1
Phone: 912-354-7858(Tel) 912-352-0165(Fax)		Accreditations Required (See note): State Program - Wisconsin	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:
Due Date Requested: 8/13/2020		Analysis Requested	
TAT Requested (days):		Total Number of containers	
PO #:		9251_Totals_C/5050 Chlorine, Total	
WO #:		Perform M5/MSD (Yes or No) <input checked="" type="checkbox"/>	
Project #: 50017486		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>	
SSOW#:		Preservation Code: X	
Sample Date: 7/30/20		Matrix (Water, Solid, Over-satd): Solid	
Sample Time: 11:00 Central		Sample Type (C=Comp, G=grab):	
Sample Identification - Client ID (Lab ID): WASTE-1 (500-185839-10)		Special Instructions/Note:	
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica</p>			
<p>Possible Hazard Identification</p> <p>Unconfirmed <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p> <p>Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2</p>			
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: 8/13/20 1630	
Relinquished by:		Date/Time: 8/9/20 935	
Relinquished by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 1.8/2.2	



Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-185839-1

Login Number: 185839

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	False	Refer to Job Narrative for details.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-185839-1

Login Number: 185839

List Number: 2

Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah

List Creation: 08/04/20 12:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix F: Hazard Index and Cancer Risk Calculations

NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # :	# of Soil-Concentration Entries: 28	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
Type BRRTS No. Here (If Known)		2	0.1065	1.4E-05
Bottom-Line: NO! This INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.				

Date of Entry: 9/25/2020. List below only has contaminants with data.
Date of Worksheet Used: 11/20/2018.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	587.	7.07	7.07	ca		0.02		0.	2.8E-09
Toluene	108-88-3	55,300.	-	818.	Csat		0.063		0.	
Xylenes	1330-20-7	3,570.	-	260.	Csat		0.024		0.	
Naphthalene	91-20-3	830.	24.1	24.1	ca		1.		0.0012	4.1E-08
Benzo[a]pyrene	50-32-8	222.	2.11	2.11	ca		22.	E	0.0991	1.0E-05
Acenaphthene	83-32-9	45,200.	-	45,200.	nc		3.8		0.0001	
Acenaphthylene	208-96-8	-	-	-	-		1.7			
Anthracene	120-12-7	226,000.	-	100,000.	ceiling		8.6		0.	
Benzo[a]anthracene	56-55-3	-	20.8	20.8	ca		20.			9.6E-07
Benzo[b]fluoranthene	205-99-2	-	21.1	21.1	ca		26.	E		1.2E-06
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		5.9			
Benzo[k]fluoranthene	207-08-9	-	211.	211.	ca		13.			6.2E-08
Chrysene	218-01-9	-	2,110.	2,110.	ca		25.			1.2E-08
Dibenz[a,h]anthracene	53-70-3	-	2.11	2.11	ca		1.8			8.5E-07
Fluoranthene	206-44-0	30,100.	-	30,100.	nc		56.		0.0019	
Fluorene	86-73-7	30,100.	-	30,100.	nc		8.6		0.0003	
Indeno[1,2,3-cd]pyrene	193-39-5	-	21.1	21.1	ca		6.4			3.0E-07
Methylnaphthalene, 1-	90-12-0	52,700.	72.7	72.7	ca		2.1		0.	2.9E-08
Methylnaphthalene, 2-	91-57-6	3,010.	-	3,010.	nc		1.7		0.0006	
Phenanthrene	85-01-8	-	-	-	-		60.			
Pyrene	129-00-0	22,600.	-	22,600.	nc		73.		0.0032	
Arsenic, Inorganic	7440-38-2	480.	3.	3.	ca	8.	0.014			
Barium	7440-39-3	219,000.	-	100,000.	ceiling	364.	0.062			
Cadmium (Diet)	7440-43-9	985.	10,600.	985.	nc	1.	0.0011			
Chromium, Total	7440-47-3	-	-	-	-	44.	0.0075			
Mercury (elemental)	7439-97-6	65.8	-	3.13	Csat		2.50E-04		0.	
Lead and Compounds	7439-92-1	800.	-	800.	nc	52.	0.2			
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.046			

NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # :	# of Soil-Concentration Entries: 28	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
Type BRRTS No. Here (If Known)		6	1.3188	2.5E-04
Bottom-Line: NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.				

Date of Entry: 9/25/2020. List below only has contaminants with data.
 Date of Worksheet Used: 11/20/2018.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106.	1.6	1.6	ca		0.02		0.0002	1.3E-08
Toluene	108-88-3	5,240.	-	818.	Csat		0.063		0.	
Xylenes	1330-20-7	818.	-	260.	Csat		0.024		0.	
Naphthalene	91-20-3	178.	5.52	5.52	ca		1.		0.0056	1.8E-07
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		22.	E	1.236	1.9E-04
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		3.8		0.0011	
Acenaphthylene	208-96-8	-	-	-	-		1.7			
Anthracene	120-12-7	17,900.	-	17,900.	nc		8.6		0.0005	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		20.	E		1.8E-05
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		26.	E		2.3E-05
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		5.9			
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		13.	E		1.1E-06
Chrysene	218-01-9	-	115.	115.	ca		25.			2.2E-07
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		1.8	E		1.6E-05
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		56.		0.0234	
Fluorene	86-73-7	2,390.	-	2,390.	nc		8.6		0.0036	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		6.4	E		5.6E-06
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		2.1		0.0005	1.2E-07
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		1.7		0.0071	
Phenanthrene	85-01-8	-	-	-	-		60.			
Pyrene	129-00-0	1,790.	-	1,790.	nc		73.		0.0408	
Arsenic, Inorganic	7440-38-2	34.9	0.677	0.677	ca	8.	0.014			
Barium	7440-39-3	15,300.	-	15,300.	nc	364.	0.062			
Cadmium (Diet)	7440-43-9	71.1	2,430.	71.1	nc	1.	0.0011			
Chromium, Total	7440-47-3	-	-	-	-	44.	0.0075			
Mercury (elemental)	7439-97-6	15.7	-	3.13	Csat		2.50E-04		0.	
Lead and Compounds	7439-92-1	400.	-	400.	nc	52.	0.2			
Isopropyltoluene, p-	99-87-6	-	-	162.	Csat		0.046			

NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # :	# of Soil-Concentration Entries: 29	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
Type BRRTS No. Here (If Known)		4	0.0691	2.4E-05
Bottom-Line: NO! This INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.				

Date of Entry: 9/25/2020. List below only has contaminants with data.
Date of Worksheet Used: 11/20/2018.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	587.	7.07	7.07	ca		0.033		0.0001	4.7E-09
Ethylbenzene	100-41-4	27,400.	35.4	35.4	ca		0.012		0.	3.4E-10
Toluene	108-88-3	55,300.	-	818.	Csat		0.068		0.	
Xylenes	1330-20-7	3,570.	-	260.	Csat		0.094		0.	
Trimethylbenzene, 1,2,4-	95-63-6	2,390.	-	219.	Csat		0.049		0.	
Naphthalene	91-20-3	830.	24.1	24.1	ca		0.69		0.0008	2.9E-08
Benzo[a]pyrene	50-32-8	222.	2.11	2.11	ca		14.	E	0.0631	6.6E-06
Acenaphthene	83-32-9	45,200.	-	45,200.	nc		1.		0.	
Acenaphthylene	208-96-8	-	-	-	-		8.4			
Anthracene	120-12-7	226,000.	-	100,000.	ceiling		3.9		0.	
Benzo[a]anthracene	56-55-3	-	20.8	20.8	ca		29.	E		1.4E-06
Benzo[j]fluoranthene	205-82-3	-	1.76	1.76	ca		25.	E		1.4E-05
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		5.5			
Benzo[k]fluoranthene	207-08-9	-	211.	211.	ca		11.			5.2E-08
Chrysene	218-01-9	-	2,110.	2,110.	ca		31.			1.5E-08
Dibenz[a,h]anthracene	53-70-3	-	2.11	2.11	ca		2.2	E		1.0E-06
Fluoranthene	206-44-0	30,100.	-	30,100.	nc		68.		0.0023	
Fluorene	86-73-7	30,100.	-	30,100.	nc		2.		0.0001	
Indeno[1,2,3-cd]pyrene	193-39-5	-	21.1	21.1	ca		5.4			2.6E-07
Methylnaphthalene, 1-	90-12-0	52,700.	72.7	72.7	ca		0.76		0.	1.0E-08
Methylnaphthalene, 2-	91-57-6	3,010.	-	3,010.	nc		1.1		0.0004	
Phenanthrene	85-01-8	-	-	-	-		40.			
Pyrene	129-00-0	22,600.	-	22,600.	nc		53.		0.0023	
Arsenic, Inorganic	7440-38-2	480.	3.	3.	ca	8.	0.0055			
Barium	7440-39-3	219,000.	-	100,000.	ceiling	364.	0.067			
Cadmium (Diet)	7440-43-9	985.	10,600.	985.	nc	1.	4.20E-04			
Chromium, Total	7440-47-3	-	-	-	-	44.	0.011			
Mercury (elemental)	7439-97-6	65.8	-	3.13	Csat		8.80E-05		0.	
Lead and Compounds	7439-92-1	800.	-	800.	nc	52.	0.21			

NR 720 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # :	# of Soil-Concentration Entries: 29	Number of Individual Exceedance	(Cumulative) Hazard Index	(Cumulative) Cancer Risk
Type BRRTS No. Here (If Known)		5	0.8552	2.3E-04
Bottom-Line: NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.				

Date of Entry: 9/25/2020. List below only has contaminants with data.
 Date of Worksheet Used: 11/20/2018.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	106.	1.6	1.6	ca		0.033		0.0003	2.1E-08
Ethylbenzene	100-41-4	4,080.	8.02	8.02	ca		0.012		0.	1.5E-09
Toluene	108-88-3	5,240.	-	818.	Csat		0.068		0.	
Xylenes	1330-20-7	818.	-	260.	Csat		0.094		0.0001	
Trimethylbenzene, 1,2,4-	95-63-6	373.	-	219.	Csat		0.049		0.0001	
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.69		0.0039	1.3E-07
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		14.	E	0.7865	1.2E-04
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		1.		0.0003	
Acenaphthylene	208-96-8	-	-	-	-		8.4			
Anthracene	120-12-7	17,900.	-	17,900.	nc		3.9		0.0002	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		29.	E		2.5E-05
Benzo[j]fluoranthene	205-82-3	-	0.424	0.424	ca		25.	E		5.9E-05
Benzo[g,h,i]perylene	191-24-2	-	-	-	-		5.5			
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		11.			9.6E-07
Chrysene	218-01-9	-	115.	115.	ca		31.			2.7E-07
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		2.2	E		1.9E-05
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		68.		0.0285	
Fluorene	86-73-7	2,390.	-	2,390.	nc		2.		0.0008	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		5.4	E		4.7E-06
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.76		0.0002	4.3E-08
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		1.1		0.0046	
Phenanthrene	85-01-8	-	-	-	-		40.			
Pyrene	129-00-0	1,790.	-	1,790.	nc		53.		0.0296	
Arsenic, Inorganic	7440-38-2	34.9	0.677	0.677	ca	8.	0.0055			
Barium	7440-39-3	15,300.	-	15,300.	nc	364.	0.067			
Cadmium (Diet)	7440-43-9	71.1	2,430.	71.1	nc	1.	4.20E-04			
Chromium, Total	7440-47-3	-	-	-	-	44.	0.011			
Mercury (elemental)	7439-97-6	15.7	-	3.13	Csat		8.80E-05		0.	
Lead and Compounds	7439-92-1	400.	-	400.	nc	52.	0.21			

Appendix G: Waste Disposal Documentation

From: [Sheskey, Teresa](#)
To: chris.bahlow@veolia.com; zach.davis@veolia.com
Cc: "DOT Hazmat Unit (DOTHazmatUnit@dot.wi.gov)"; BrianE.Taylor@dot.wi.gov; [Haak, Daniel](#); [Braga, Wesley](#); [Voit, Angela](#)
Subject: Non-Hazardous Waste Pickup - USH 151, Madison, Dane Co. (5400-00-02)
Date: Thursday, August 20, 2020 11:29:52 AM
Attachments: [image001.png](#)
[08.20.2020_NonHazardous Waste Pickup_5400-00-02_USH 151 Madison Dane Co.pdf](#)

Attached is the pick-up request for one 5-gallon bucket at the Madison Fleet Services Division Building in Madison. ASAP.

Please contact Dan Haak at (608) 886-7423 or DHaak@trccompanies.com with any questions.

Teresa Sheskey
Senior Project Coordinator



708 Heartland Trail, Suite 3000, Madison, WI 53717
C 608.327.9528 | F 608.826.3941 | tsheskey@trccompanies.com
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Please note that our domain name and email addresses have changed



NON-HAZARDOUS WASTE INVENTORY RECORD

Wisconsin Department of Transportation
DT1229 6/2016 (For use with DT1208)

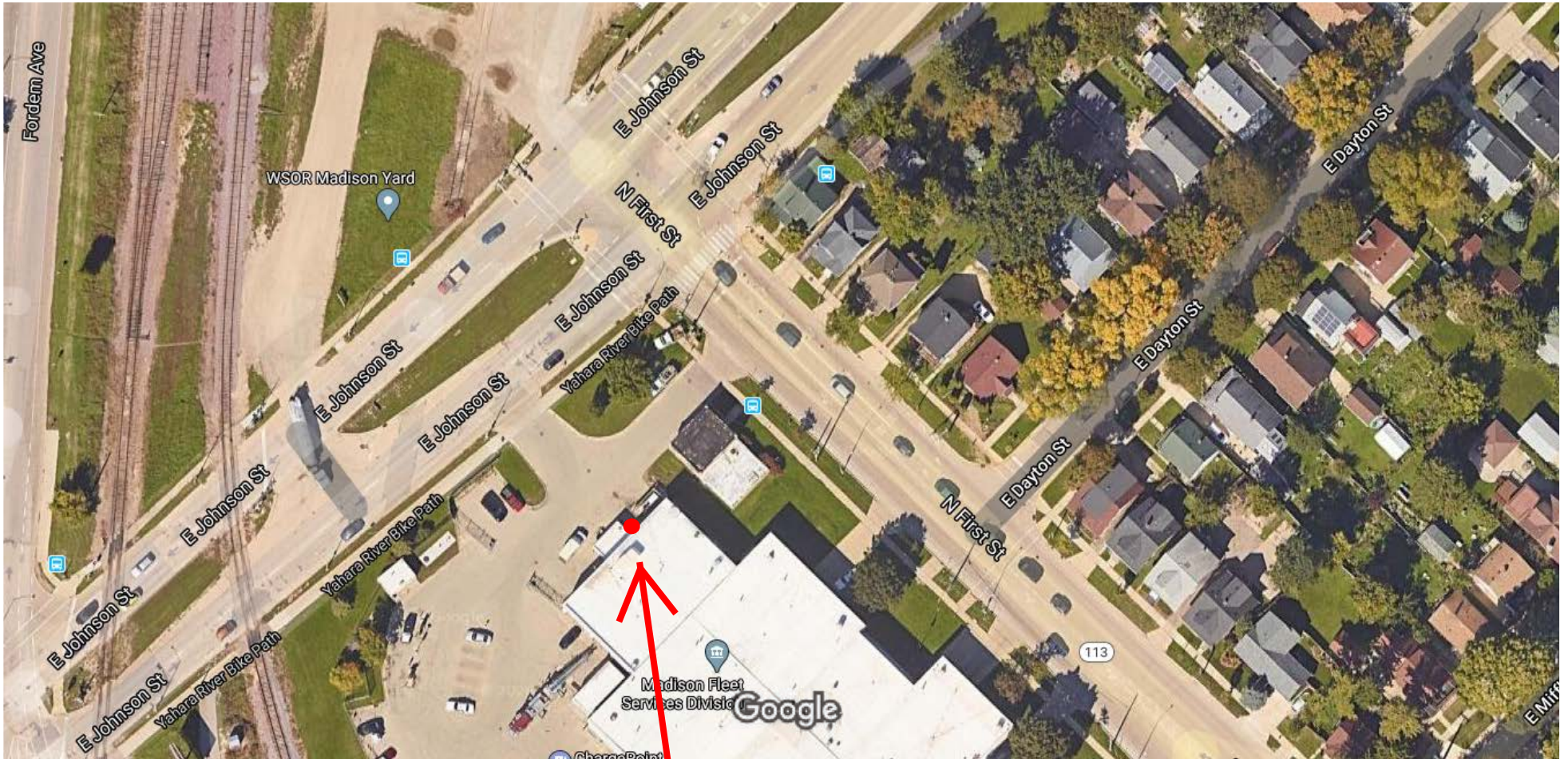
DTSD Region and Office Southwest - Madison		
WisDOT Project ID 5400-00-02	County Dane	Highway and Termini USH 151
Site Name John Nolen and Law Park		Phase of Investigation 2.5
Consultant Company TRC Environmental		
Consultant Contact Wesley Braga		
Contact (Area Code) Telephone Number 608-234-7374		
Contact Email Address wbraga@trcsolutions.com		
Consultant ID for this Site 393855.0000		
Generation Date (m/d/yyyy) 7/30/20		
Comments, special instructions for pickup or site access Pick-up requested ASAP by WisDOT. Analytical data will be submitted within 5 days.		

Waste Description – describe containers of similar size and contents in one row. Insert additional rows as needed. <i>Number and Label Each Container.</i>				
Container ID Number	Container Size and Type	Estimated Volume of Waste	Source: Tank, Well, Boring	Contents: Soil, Water, Other (Describe)
Example: 1, 4, 5, 6, 7, 18, 22, 23	Example: 30 gallon metal drum	Example: 8 drums x 30 gal = 240 gallons	Example: monitoring wells # MW3, MW4, and MW7	Example: wash water,alconox
1	5 gallon bucket	5 gallons	GP-1, GP-2, GP-3, GP-4, GP-5, GP-6	Soil
Total Number of Containers to be picked up:				

Container Location: Attach map or site sketch to Email
Analytical Results: Attach analytical results to Email
Email one copy of this form to each of the following:

- [DOT Hazardous Materials Specialist](#)
- [Regional Environmental or Hazardous Materials Coordinator](#)
- [Hazardous Waste Contractor](#)

Include a copy of this form as the final appendix in the report for this site.



Imagery ©2020 CNES / Airbus, Maxar Technologies, Map data ©2020 50 ft

Bucket Location

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-185839-1
Client Project/Site: 393855

For:
TRC Environmental Corporation.
708 Heartland Trail
Madison, Wisconsin 53717

Attn: Ted O'Connell



Authorized for release by:
8/21/2020 3:24:23 PM

Jim Knapp, Project Manager II
(630)758-0262

Jim.Knapp@Eurofinset.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660

sandie.fredrick@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Job ID: 500-185839-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-185839-1

Comments

No additional comments.

Receipt

The samples were received on 8/1/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1° C.

Receipt Exceptions

Container label for Sample#7 says field filtered. COC has "N" under Field Filtered (Y/N). Logged as field filtered-Dissolved metals analysis. Please confirm.

GC/MS VOA

Method 8260B: The extraction LCS associated with preparation batch 555087 had 1,2-Dibromo-3-chloropropane recovery below control limits. The instrument LCS associated with analytical batch 556034 had all recoveries within control. This analyte was non-detect in the samples; therefore re-analysis was not performed. The data have been reported and qualified.

GP-1 7.5-10 (500-185839-1), GP-2 2.5-5 (500-185839-2), GP-3 5-7.5 (500-185839-3), GP-4 7.5-10 (500-185839-4), GP-5 2.5-5 (500-185839-5), GP-6 2.5-5 (500-185839-6), Trip Blank (500-185839-8) and (LCS 500-555087/19-A)

Method 8260B: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: TW-4 (500-185839-7).

Method 8260B: The MSD (matrix spike duplicate) in batch 555810 was analyzed 11 minutes outside the method specified 12 hour tune time. (500-185839-A-7 MSD)

Method 8260B: The method blank for analytical batch 555803 contained Methylene Chloride above the Method detection limit (MDL) and below the reporting limit (RL). Methylene Chloride is a known lab contaminant. Methylene Chloride was non-detect in the samples; therefore, no re-analysis was done and the data has been reported.

Method 8260B: The method blank for analytical batch 555810 contained Methylene Chloride above the Method detection limit (MDL) and below the reporting limit (RL). Methylene Chloride is a known lab contaminant. Methylene Chloride was non-detect in the samples; therefore, no re-analysis was done and the data has been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 555810 were outside control limits for 1,2-Dibromo-3-chloropropane. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following samples were diluted due to the nature of the sample matrix: GP-1 7.5-10 (500-185839-1) and GP-2 2.5-5 (500-185839-2). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples required a dilution due to the nature of the sample matrix: GP-1 7.5-10 (500-185839-1) and GP-2 2.5-5 (500-185839-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample contained one acid surrogate outside acceptance limits: WASTE-1 (500-185839-10). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Case Narrative

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Job ID: 500-185839-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: Surrogate recovery for the following sample was outside the upper control limit: WASTE-1 (500-185839-10). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The matrix spike / matrix spike duplicate (MS/MSD) DCB Decachlorobiphenyl recoveries for preparation batch 500-556801 and analytical batch 500-556980 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8082A: The following samples required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: WASTE-1 (500-185839-10), (500-185839-C-10-F MS) and (500-185839-C-10-G MSD). The reagent lot number used was:260001.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Detection Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Lab Sample ID: 500-185839-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	20	J	24	14	ug/Kg	50	☼	8260B	Total/NA
Naphthalene	1000		96	32	ug/Kg	50	☼	8260B	Total/NA
p-Isopropyltoluene	46	J	96	35	ug/Kg	50	☼	8260B	Total/NA
Toluene	63		24	14	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	24	J	48	21	ug/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	2100		970	120	ug/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	1700		970	89	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	3800		480	87	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	1700		480	64	ug/Kg	10	☼	8270D	Total/NA
Anthracene	8600		480	81	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	20000		480	65	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	22000		480	93	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	26000		480	100	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	5900		480	160	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	13000		480	140	ug/Kg	10	☼	8270D	Total/NA
Chrysene	25000		480	130	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	1800		480	93	ug/Kg	10	☼	8270D	Total/NA
Fluorene	8600		480	68	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	6400		480	120	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	3100		480	74	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene - DL	56000		2400	450	ug/Kg	50	☼	8270D	Total/NA
Phenanthrene - DL	60000		2400	340	ug/Kg	50	☼	8270D	Total/NA
Pyrene - DL	73000		2400	480	ug/Kg	50	☼	8270D	Total/NA
Arsenic	14		1.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	62		1.3	0.15	mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.1		0.27	0.048	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.5	B	1.3	0.66	mg/Kg	1	☼	6010C	Total/NA
Lead	200		0.66	0.31	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.25		0.022	0.0073	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-2 2.5-5

Lab Sample ID: 500-185839-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	33		16	9.3	ug/Kg	50	☼	8260B	Total/NA
Ethylbenzene	12	J	16	12	ug/Kg	50	☼	8260B	Total/NA
Naphthalene	690		63	21	ug/Kg	50	☼	8260B	Total/NA
Toluene	68		16	9.3	ug/Kg	50	☼	8260B	Total/NA
1,2,4-Trimethylbenzene	49	J	63	23	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	94		32	14	ug/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	760	J	770	93	ug/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	1100		770	70	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	1000		380	68	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	8400		380	50	ug/Kg	10	☼	8270D	Total/NA
Anthracene	3900		380	63	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	14000		380	74	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	25000		380	82	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	5500		380	120	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	11000		380	110	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	2200		380	73	ug/Kg	10	☼	8270D	Total/NA
Fluorene	2000		380	53	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	5400		380	98	ug/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-2 2.5-5 (Continued)

Lab Sample ID: 500-185839-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2200		380	58	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene - DL	29000		1900	260	ug/Kg	50	☼	8270D	Total/NA
Chrysene - DL	31000		1900	520	ug/Kg	50	☼	8270D	Total/NA
Fluoranthene - DL	68000		1900	350	ug/Kg	50	☼	8270D	Total/NA
Phenanthrene - DL	40000		1900	260	ug/Kg	50	☼	8270D	Total/NA
Pyrene - DL	53000		1900	380	ug/Kg	50	☼	8270D	Total/NA
Arsenic	5.5		0.98	0.34	mg/Kg	1	☼	6010C	Total/NA
Barium	67		0.98	0.11	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.42		0.20	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	11	B	0.98	0.49	mg/Kg	1	☼	6010C	Total/NA
Lead	210		0.49	0.23	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.088		0.018	0.0060	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-3 5-7.5

Lab Sample ID: 500-185839-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	37	J	64	22	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	28	J	32	14	ug/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	41	J	75	9.0	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	40	J	75	6.8	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	31	J	37	6.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	33	J	37	4.9	ug/Kg	1	☼	8270D	Total/NA
Anthracene	110		37	6.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	310		37	5.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	370		37	7.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	490		37	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	190		37	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	160		37	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	360		37	10	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	47		37	7.1	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	660		37	6.9	ug/Kg	1	☼	8270D	Total/NA
Fluorene	47		37	5.2	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	180		37	9.6	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	51		37	5.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	520		37	5.2	ug/Kg	1	☼	8270D	Total/NA
Pyrene	730		37	7.3	ug/Kg	1	☼	8270D	Total/NA
Arsenic	2.4		1.1	0.36	mg/Kg	1	☼	6010C	Total/NA
Barium	50		1.1	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	3.1		0.21	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.5	B	1.1	0.52	mg/Kg	1	☼	6010C	Total/NA
Lead	58		0.53	0.24	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.097		0.018	0.0061	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-4 7.5-10

Lab Sample ID: 500-185839-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	13	J	83	10	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	11	J	83	7.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	47		41	7.4	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	14	J	41	5.4	ug/Kg	1	☼	8270D	Total/NA
Anthracene	280		41	6.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	310		41	5.5	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-4 7.5-10 (Continued)

Lab Sample ID: 500-185839-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	260		41	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	300		41	8.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	81		41	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	130		41	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	290		41	11	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	27	J	41	7.9	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	580		41	7.6	ug/Kg	1	☼	8270D	Total/NA
Fluorene	110		41	5.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	91		41	11	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	15	J	41	6.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	610		41	5.7	ug/Kg	1	☼	8270D	Total/NA
Pyrene	580		41	8.2	ug/Kg	1	☼	8270D	Total/NA
Arsenic	4.6		1.1	0.39	mg/Kg	1	☼	6010C	Total/NA
Barium	78		1.1	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.11	J	0.23	0.041	mg/Kg	1	☼	6010C	Total/NA
Chromium	10	B	1.1	0.56	mg/Kg	1	☼	6010C	Total/NA
Lead	52		0.57	0.26	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.23		0.020	0.0067	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	34	J	35	5.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	21	J	35	4.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	23	J	35	6.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	32	J	35	7.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	13	J	35	11	ug/Kg	1	☼	8270D	Total/NA
Chrysene	22	J	35	9.6	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	61		35	6.5	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	14	J	35	9.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	48		35	4.9	ug/Kg	1	☼	8270D	Total/NA
Pyrene	34	J	35	7.0	ug/Kg	1	☼	8270D	Total/NA
Arsenic	1.6		1.0	0.35	mg/Kg	1	☼	6010C	Total/NA
Barium	17		1.0	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.13	J	0.21	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	6.7	B	1.0	0.51	mg/Kg	1	☼	6010C	Total/NA
Lead	5.0		0.51	0.24	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.017		0.017	0.0056	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	30	J	34	6.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	30	J	34	4.8	ug/Kg	1	☼	8270D	Total/NA
Arsenic	0.70	J	0.98	0.33	mg/Kg	1	☼	6010C	Total/NA
Barium	2.7		0.98	0.11	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.097	J	0.20	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.5	B	0.98	0.48	mg/Kg	1	☼	6010C	Total/NA
Lead	1.5		0.49	0.23	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4

Lab Sample ID: 500-185839-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.33	J	0.50	0.15	ug/L	1		8260B	Total/NA
Anthracene	0.47	J	0.76	0.25	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	1.2		0.15	0.043	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	1.2		0.15	0.075	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	1.3		0.15	0.061	ug/L	1		8270D	Total/NA
Benzo[g,h,i]perylene	0.47	J	0.76	0.29	ug/L	1		8270D	Total/NA
Benzo[k]fluoranthene	0.49		0.15	0.049	ug/L	1		8270D	Total/NA
Chrysene	0.98		0.15	0.052	ug/L	1		8270D	Total/NA
Dibenz(a,h)anthracene	0.20	J	0.23	0.039	ug/L	1		8270D	Total/NA
Dibenzofuran	0.20	J	1.5	0.20	ug/L	1		8270D	Total/NA
Fluoranthene	2.0		0.76	0.35	ug/L	1		8270D	Total/NA
Fluorene	0.30	J	0.76	0.19	ug/L	1		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.50		0.15	0.057	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	0.17	J	1.5	0.050	ug/L	1		8270D	Total/NA
Naphthalene	0.35	J	0.76	0.23	ug/L	1		8270D	Total/NA
Phenanthrene	1.7		0.76	0.23	ug/L	1		8270D	Total/NA
Pyrene	1.9		0.76	0.32	ug/L	1		8270D	Total/NA
Arsenic	15		1.0	0.23	ug/L	1		6020A	Dissolved
Barium	230		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-8

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-9

No Detections.

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.77		0.50	0.050	mg/L	1		6010B	TCLP
Cadmium	0.0099		0.0050	0.0020	mg/L	1		6010B	TCLP
Copper	0.013	J	0.025	0.010	mg/L	1		6010B	TCLP
Lead	0.83		0.050	0.0075	mg/L	1		6010B	TCLP
Nickel	0.035		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	2.7		0.10	0.020	mg/L	1		6010B	TCLP
Flashpoint	>176		99.0	99.0	Degrees F	1		1010A	Total/NA
Cyanide, Total	0.13	J	0.22	0.11	mg/Kg	1		9012B	Total/NA
pH	8.3		0.2	0.2	SU	1		9045C	Total/NA
Free Liquid	Pass				No Unit	1		9095B	Total/NA
Specific Gravity	2.0904				NONE	1		SM 2710F	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
WI-GRO	Wisconsin - Gasoline Range Organics (GC)	WI-GRO	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
WI-DRO	Wisconsin - Diesel Range Organics (GC)	WI-DRO	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010C	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
1010A	Ignitability, Pinsky-Martens Closed-Cup Method	SW846	TAL CHI
1664B	HEM and SGT-HEM	1664B	TAL CHI
9012B	Cyanide, Total and/or Amenable	SW846	TAL CHI
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095B	Paint Filter	SW846	TAL CHI
9251	Chlorine, Total	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL CHI
SM 2710F	Specific Gravity, Density	SM	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1664B	HEM and SGT-HEM (SPE)	1664B	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
5050	Bomb Preparation Method for Solid Waste	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010C	Cyanide, Distillation	SW846	TAL CHI
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	TAL CHI
WI DRO PREP	Wisconsin Extraction (Diesel Range Organics)	WI-DRO	TAL CHI
WI GRO	Closed System Purge and Trap	WI-GRO	TAL CHI

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-185839-1	GP-1 7.5-10	Solid	07/30/20 08:35	08/01/20 10:00	
500-185839-2	GP-2 2.5-5	Solid	07/30/20 09:00	08/01/20 10:00	
500-185839-3	GP-3 5-7.5	Solid	07/30/20 09:15	08/01/20 10:00	
500-185839-4	GP-4 7.5-10	Solid	07/30/20 09:45	08/01/20 10:00	
500-185839-5	GP-5 2.5-5	Solid	07/30/20 10:15	08/01/20 10:00	
500-185839-6	GP-6 2.5-5	Solid	07/30/20 10:30	08/01/20 10:00	
500-185839-7	TW-4	Water	07/30/20 10:40	08/01/20 10:00	
500-185839-8	Trip Blank	Solid	07/30/20 00:00	08/01/20 10:00	
500-185839-9	Trip Blank	Water	07/30/20 00:00	08/01/20 10:00	
500-185839-10	WASTE-1	Solid	07/30/20 11:00	08/01/20 10:00	

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Lab Sample ID: 500-185839-1

Date Collected: 07/30/20 08:35

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 68.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	20	J	24	14	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromobenzene	<34		96	34	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromochloromethane	<41		96	41	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromodichloromethane	<36		96	36	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromoform	<47		96	47	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Bromomethane	<77		290	77	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Carbon tetrachloride	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Chlorobenzene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Chloroethane	<49		96	49	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Chloroform	<36		190	36	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Chloromethane	<31		96	31	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
2-Chlorotoluene	<30		96	30	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
4-Chlorotoluene	<34		96	34	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
cis-1,2-Dichloroethene	<39		96	39	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
cis-1,3-Dichloropropene	<40		96	40	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Dibromochloromethane	<47		96	47	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dibromo-3-Chloropropane	<190	*	480	190	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dibromoethane	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Dibromomethane	<26		96	26	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dichlorobenzene	<32		96	32	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,3-Dichlorobenzene	<39		96	39	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,4-Dichlorobenzene	<35		96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Dichlorodifluoromethane	<65		290	65	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1-Dichloroethane	<40		96	40	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dichloroethane	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1-Dichloroethene	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2-Dichloropropane	<41		96	41	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,3-Dichloropropane	<35		96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
2,2-Dichloropropane	<43		96	43	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1-Dichloropropene	<29		96	29	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Ethylbenzene	<18		24	18	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Hexachlorobutadiene	<43		96	43	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Isopropylbenzene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Isopropyl ether	<27		96	27	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Methylene Chloride	<160		480	160	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Methyl tert-butyl ether	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Naphthalene	1000		96	32	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
n-Butylbenzene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
N-Propylbenzene	<40		96	40	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
p-Isopropyltoluene	46	J	96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
sec-Butylbenzene	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Styrene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
tert-Butylbenzene	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1,1,2-Tetrachloroethane	<45		96	45	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1,2,2-Tetrachloroethane	<38		96	38	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Tetrachloroethene	<36		96	36	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Toluene	63		24	14	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
trans-1,2-Dichloroethene	<34		96	34	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
trans-1,3-Dichloropropene	<35		96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Lab Sample ID: 500-185839-1

Date Collected: 07/30/20 08:35

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 68.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<44		96	44	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2,4-Trichlorobenzene	<33		96	33	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1,1-Trichloroethane	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,1,2-Trichloroethane	<34		96	34	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Trichloroethene	<16		48	16	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Trichlorofluoromethane	<41		96	41	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2,3-Trichloropropane	<40		190	40	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,2,4-Trimethylbenzene	<35		96	35	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
1,3,5-Trimethylbenzene	<37		96	37	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Vinyl chloride	<25		96	25	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50
Xylenes, Total	24	J	48	21	ug/Kg	☼	07/30/20 08:35	08/07/20 13:55	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		72 - 124	07/30/20 08:35	08/07/20 13:55	50
Dibromofluoromethane (Surr)	90		75 - 120	07/30/20 08:35	08/07/20 13:55	50
1,2-Dichloroethane-d4 (Surr)	97		75 - 126	07/30/20 08:35	08/07/20 13:55	50
Toluene-d8 (Surr)	96		75 - 120	07/30/20 08:35	08/07/20 13:55	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	2100		970	120	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
2-Methylnaphthalene	1700		970	89	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Acenaphthene	3800		480	87	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Acenaphthylene	1700		480	64	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Anthracene	8600		480	81	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[a]anthracene	20000		480	65	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[a]pyrene	22000		480	93	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[b]fluoranthene	26000		480	100	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[g,h,i]perylene	5900		480	160	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Benzo[k]fluoranthene	13000		480	140	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Chrysene	25000		480	130	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Dibenz(a,h)anthracene	1800		480	93	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Fluorene	8600		480	68	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Indeno[1,2,3-cd]pyrene	6400		480	120	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10
Naphthalene	3100		480	74	ug/Kg	☼	08/12/20 07:29	08/13/20 04:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		43 - 145	08/12/20 07:29	08/13/20 04:35	10
Nitrobenzene-d5 (Surr)	48		37 - 147	08/12/20 07:29	08/13/20 04:35	10
Terphenyl-d14 (Surr)	56		42 - 157	08/12/20 07:29	08/13/20 04:35	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	56000		2400	450	ug/Kg	☼	08/12/20 07:29	08/13/20 18:59	50
Phenanthrene	60000		2400	340	ug/Kg	☼	08/12/20 07:29	08/13/20 18:59	50
Pyrene	73000		2400	480	ug/Kg	☼	08/12/20 07:29	08/13/20 18:59	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	D	43 - 145	08/12/20 07:29	08/13/20 18:59	50
Nitrobenzene-d5 (Surr)	0	D	37 - 147	08/12/20 07:29	08/13/20 18:59	50
Terphenyl-d14 (Surr)	0	D	42 - 157	08/12/20 07:29	08/13/20 18:59	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Lab Sample ID: 500-185839-1

Date Collected: 07/30/20 08:35

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 68.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		1.3	0.45	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Barium	62		1.3	0.15	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Cadmium	1.1		0.27	0.048	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Chromium	7.5	B	1.3	0.66	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Lead	200		0.66	0.31	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Selenium	<0.78		1.3	0.78	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1
Silver	<0.17		0.66	0.17	mg/Kg	☼	08/12/20 19:04	08/13/20 09:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.022	0.0073	mg/Kg	☼	08/12/20 13:10	08/13/20 08:19	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-2 2.5-5

Lab Sample ID: 500-185839-2

Date Collected: 07/30/20 09:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	33		16	9.3	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromobenzene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromochloromethane	<27		63	27	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromodichloromethane	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromoform	<31		63	31	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Bromomethane	<51		190	51	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Carbon tetrachloride	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Chlorobenzene	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Chloroethane	<32		63	32	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Chloroform	<23		130	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Chloromethane	<20		63	20	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
2-Chlorotoluene	<20		63	20	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
4-Chlorotoluene	<22		63	22	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
cis-1,2-Dichloroethene	<26		63	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
cis-1,3-Dichloropropene	<26		63	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Dibromochloromethane	<31		63	31	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dibromo-3-Chloropropane	<130 *		320	130	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dibromoethane	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Dibromomethane	<17		63	17	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dichlorobenzene	<21		63	21	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,3-Dichlorobenzene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,4-Dichlorobenzene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Dichlorodifluoromethane	<43		190	43	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1-Dichloroethane	<26		63	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dichloroethane	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1-Dichloroethene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2-Dichloropropane	<27		63	27	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,3-Dichloropropane	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
2,2-Dichloropropane	<28		63	28	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1-Dichloropropene	<19		63	19	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Ethylbenzene	12 J		16	12	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Hexachlorobutadiene	<28		63	28	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Isopropylbenzene	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Isopropyl ether	<18		63	18	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Methylene Chloride	<100		320	100	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Methyl tert-butyl ether	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Naphthalene	690		63	21	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
n-Butylbenzene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
N-Propylbenzene	<26		63	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
p-Isopropyltoluene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
sec-Butylbenzene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Styrene	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
tert-Butylbenzene	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1,1,2-Tetrachloroethane	<29		63	29	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1,1,2,2-Tetrachloroethane	<25		63	25	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Tetrachloroethene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Toluene	68		16	9.3	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
trans-1,2-Dichloroethene	<22		63	22	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
trans-1,3-Dichloropropene	<23		63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-2 2.5-5

Lab Sample ID: 500-185839-2

Date Collected: 07/30/20 09:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<29		63	29	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2,4-Trichlorobenzene	<22		63	22	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1,1-Trichloroethane	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,1,2-Trichloroethane	<22		63	22	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Trichloroethene	<10		32	10	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Trichlorofluoromethane	<27		63	27	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2,3-Trichloropropane	<26		130	26	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,2,4-Trimethylbenzene	49	J	63	23	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
1,3,5-Trimethylbenzene	<24		63	24	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Vinyl chloride	<17		63	17	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Xylenes, Total	94		32	14	ug/Kg	☼	07/30/20 09:00	08/07/20 14:20	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		72 - 124				07/30/20 09:00	08/07/20 14:20	50
Dibromofluoromethane (Surr)	90		75 - 120				07/30/20 09:00	08/07/20 14:20	50
1,2-Dichloroethane-d4 (Surr)	98		75 - 126				07/30/20 09:00	08/07/20 14:20	50
Toluene-d8 (Surr)	98		75 - 120				07/30/20 09:00	08/07/20 14:20	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	760	J	770	93	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
2-Methylnaphthalene	1100		770	70	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Acenaphthene	1000		380	68	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Acenaphthylene	8400		380	50	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Anthracene	3900		380	63	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Benzo[a]pyrene	14000		380	74	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Benzo[b]fluoranthene	25000		380	82	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Benzo[g,h,i]perylene	5500		380	120	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Benzo[k]fluoranthene	11000		380	110	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Dibenz(a,h)anthracene	2200		380	73	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Fluorene	2000		380	53	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Indeno[1,2,3-cd]pyrene	5400		380	98	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Naphthalene	2200		380	58	ug/Kg	☼	08/12/20 07:29	08/13/20 05:01	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		43 - 145				08/12/20 07:29	08/13/20 05:01	10
Nitrobenzene-d5 (Surr)	55		37 - 147				08/12/20 07:29	08/13/20 05:01	10
Terphenyl-d14 (Surr)	64		42 - 157				08/12/20 07:29	08/13/20 05:01	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	29000		1900	260	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Chrysene	31000		1900	520	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Fluoranthene	68000		1900	350	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Phenanthrene	40000		1900	260	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Pyrene	53000		1900	380	ug/Kg	☼	08/12/20 07:29	08/13/20 19:23	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	D	43 - 145				08/12/20 07:29	08/13/20 19:23	50
Nitrobenzene-d5 (Surr)	0	D	37 - 147				08/12/20 07:29	08/13/20 19:23	50
Terphenyl-d14 (Surr)	0	D	42 - 157				08/12/20 07:29	08/13/20 19:23	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-2 2.5-5

Lab Sample ID: 500-185839-2

Date Collected: 07/30/20 09:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		0.98	0.34	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Barium	67		0.98	0.11	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Cadmium	0.42		0.20	0.035	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Chromium	11	B	0.98	0.49	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Lead	210		0.49	0.23	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Selenium	<0.58		0.98	0.58	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1
Silver	<0.13		0.49	0.13	mg/Kg	☼	08/12/20 19:04	08/13/20 09:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088		0.018	0.0060	mg/Kg	☼	08/12/20 13:10	08/13/20 08:32	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-3 5-7.5

Lab Sample ID: 500-185839-3

Date Collected: 07/30/20 09:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.4		16	9.4	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromobenzene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromochloromethane	<28		64	28	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromodichloromethane	<24		64	24	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromoform	<31		64	31	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Bromomethane	<51		190	51	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Carbon tetrachloride	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Chlorobenzene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Chloroethane	<32		64	32	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Chloroform	<24		130	24	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Chloromethane	<21		64	21	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
2-Chlorotoluene	<20		64	20	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
4-Chlorotoluene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
cis-1,2-Dichloroethene	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
cis-1,3-Dichloropropene	<27		64	27	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Dibromochloromethane	<31		64	31	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dibromo-3-Chloropropane	<130 *		320	130	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dibromoethane	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Dibromomethane	<17		64	17	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dichlorobenzene	<22		64	22	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,3-Dichlorobenzene	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,4-Dichlorobenzene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Dichlorodifluoromethane	<43		190	43	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1-Dichloroethane	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dichloroethane	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1-Dichloroethene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2-Dichloropropane	<28		64	28	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,3-Dichloropropane	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
2,2-Dichloropropane	<29		64	29	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1-Dichloropropene	<19		64	19	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Ethylbenzene	<12		16	12	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Hexachlorobutadiene	<29		64	29	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Isopropylbenzene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Isopropyl ether	<18		64	18	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Methylene Chloride	<110		320	110	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Methyl tert-butyl ether	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Naphthalene	37 J		64	22	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
n-Butylbenzene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
N-Propylbenzene	<27		64	27	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
p-Isopropyltoluene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
sec-Butylbenzene	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Styrene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
tert-Butylbenzene	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1,1,2-Tetrachloroethane	<30		64	30	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1,1,2,2-Tetrachloroethane	<26		64	26	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Tetrachloroethene	<24		64	24	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Toluene	<9.5		16	9.5	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
trans-1,2-Dichloroethene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
trans-1,3-Dichloropropene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-3 5-7.5

Lab Sample ID: 500-185839-3

Date Collected: 07/30/20 09:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<30		64	30	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2,4-Trichlorobenzene	<22		64	22	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1,1-Trichloroethane	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,1,2-Trichloroethane	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Trichloroethene	<11		32	11	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Trichlorofluoromethane	<28		64	28	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2,3-Trichloropropane	<27		130	27	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,2,4-Trimethylbenzene	<23		64	23	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
1,3,5-Trimethylbenzene	<25		64	25	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Vinyl chloride	<17		64	17	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50
Xylenes, Total	28	J	32	14	ug/Kg	☼	07/30/20 09:15	08/07/20 14:45	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124	07/30/20 09:15	08/07/20 14:45	50
Dibromofluoromethane (Surr)	92		75 - 120	07/30/20 09:15	08/07/20 14:45	50
1,2-Dichloroethane-d4 (Surr)	99		75 - 126	07/30/20 09:15	08/07/20 14:45	50
Toluene-d8 (Surr)	95		75 - 120	07/30/20 09:15	08/07/20 14:45	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	41	J	75	9.0	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
2-Methylnaphthalene	40	J	75	6.8	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Acenaphthene	31	J	37	6.6	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Acenaphthylene	33	J	37	4.9	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Anthracene	110		37	6.2	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[a]anthracene	310		37	5.0	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[a]pyrene	370		37	7.2	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[b]fluoranthene	490		37	8.0	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[g,h,i]perylene	190		37	12	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Benzo[k]fluoranthene	160		37	11	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Chrysene	360		37	10	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Dibenz(a,h)anthracene	47		37	7.1	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Fluoranthene	660		37	6.9	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Fluorene	47		37	5.2	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Indeno[1,2,3-cd]pyrene	180		37	9.6	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Naphthalene	51		37	5.7	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Phenanthrene	520		37	5.2	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1
Pyrene	730		37	7.3	ug/Kg	☼	08/12/20 07:29	08/12/20 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		43 - 145	08/12/20 07:29	08/12/20 21:39	1
Nitrobenzene-d5 (Surr)	87		37 - 147	08/12/20 07:29	08/12/20 21:39	1
Terphenyl-d14 (Surr)	88		42 - 157	08/12/20 07:29	08/12/20 21:39	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		1.1	0.36	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Barium	50		1.1	0.12	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Cadmium	3.1		0.21	0.038	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Chromium	7.5	B	1.1	0.52	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1

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Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-3 5-7.5

Lab Sample ID: 500-185839-3

Date Collected: 07/30/20 09:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 87.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	58		0.53	0.24	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Selenium	<0.62		1.1	0.62	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1
Silver	<0.14		0.53	0.14	mg/Kg	☼	08/12/20 19:04	08/13/20 09:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.097		0.018	0.0061	mg/Kg	☼	08/12/20 13:10	08/13/20 08:34	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-4 7.5-10

Lab Sample ID: 500-185839-4

Date Collected: 07/30/20 09:45

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 79.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		19	11	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromobenzene	<26		74	26	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromochloromethane	<32		74	32	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromodichloromethane	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromoform	<36		74	36	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Bromomethane	<59		220	59	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Carbon tetrachloride	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Chlorobenzene	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Chloroethane	<37		74	37	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Chloroform	<27		150	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Chloromethane	<24		74	24	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
2-Chlorotoluene	<23		74	23	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
4-Chlorotoluene	<26		74	26	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
cis-1,2-Dichloroethene	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
cis-1,3-Dichloropropene	<31		74	31	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Dibromochloromethane	<36		74	36	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dibromo-3-Chloropropane	<150 *		370	150	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dibromoethane	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Dibromomethane	<20		74	20	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dichlorobenzene	<25		74	25	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,3-Dichlorobenzene	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,4-Dichlorobenzene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Dichlorodifluoromethane	<50		220	50	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1-Dichloroethane	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dichloroethane	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1-Dichloroethene	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2-Dichloropropane	<32		74	32	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,3-Dichloropropane	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
2,2-Dichloropropane	<33		74	33	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1-Dichloropropene	<22		74	22	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Ethylbenzene	<14		19	14	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Hexachlorobutadiene	<33		74	33	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Isopropylbenzene	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Isopropyl ether	<20		74	20	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Methylene Chloride	<120		370	120	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Methyl tert-butyl ether	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Naphthalene	<25		74	25	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
n-Butylbenzene	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
N-Propylbenzene	<31		74	31	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
p-Isopropyltoluene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
sec-Butylbenzene	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Styrene	<29		74	29	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
tert-Butylbenzene	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1,1,2-Tetrachloroethane	<34		74	34	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1,2,2-Tetrachloroethane	<30		74	30	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Tetrachloroethene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Toluene	<11		19	11	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
trans-1,2-Dichloroethene	<26		74	26	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
trans-1,3-Dichloropropene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-4 7.5-10

Lab Sample ID: 500-185839-4

Date Collected: 07/30/20 09:45

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 79.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<34		74	34	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2,4-Trichlorobenzene	<25		74	25	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1,1-Trichloroethane	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,1,2-Trichloroethane	<26		74	26	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Trichloroethene	<12		37	12	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Trichlorofluoromethane	<32		74	32	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2,3-Trichloropropane	<31		150	31	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,2,4-Trimethylbenzene	<27		74	27	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
1,3,5-Trimethylbenzene	<28		74	28	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Vinyl chloride	<19		74	19	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Xylenes, Total	<16		37	16	ug/Kg	☼	07/30/20 09:45	08/07/20 15:35	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		72 - 124				07/30/20 09:45	08/07/20 15:35	50
Dibromofluoromethane (Surr)	91		75 - 120				07/30/20 09:45	08/07/20 15:35	50
1,2-Dichloroethane-d4 (Surr)	99		75 - 126				07/30/20 09:45	08/07/20 15:35	50
Toluene-d8 (Surr)	98		75 - 120				07/30/20 09:45	08/07/20 15:35	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	13	J	83	10	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
2-Methylnaphthalene	11	J	83	7.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Acenaphthene	47		41	7.4	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Acenaphthylene	14	J	41	5.4	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Anthracene	280		41	6.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[a]anthracene	310		41	5.5	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[a]pyrene	260		41	8.0	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[b]fluoranthene	300		41	8.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[g,h,i]perylene	81		41	13	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Benzo[k]fluoranthene	130		41	12	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Chrysene	290		41	11	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Dibenz(a,h)anthracene	27	J	41	7.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Fluoranthene	580		41	7.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Fluorene	110		41	5.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Indeno[1,2,3-cd]pyrene	91		41	11	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Naphthalene	15	J	41	6.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Phenanthrene	610		41	5.7	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Pyrene	580		41	8.2	ug/Kg	☼	08/12/20 07:29	08/12/20 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		43 - 145				08/12/20 07:29	08/12/20 22:05	1
Nitrobenzene-d5 (Surr)	94		37 - 147				08/12/20 07:29	08/12/20 22:05	1
Terphenyl-d14 (Surr)	101		42 - 157				08/12/20 07:29	08/12/20 22:05	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6		1.1	0.39	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Barium	78		1.1	0.13	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Cadmium	0.11	J	0.23	0.041	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Chromium	10	B	1.1	0.56	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-4 7.5-10

Lab Sample ID: 500-185839-4

Date Collected: 07/30/20 09:45

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 79.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	52		0.57	0.26	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Selenium	<0.67		1.1	0.67	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1
Silver	<0.15		0.57	0.15	mg/Kg	☼	08/12/20 19:04	08/13/20 09:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.020	0.0067	mg/Kg	☼	08/12/20 13:10	08/13/20 08:36	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Date Collected: 07/30/20 10:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 93.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.6		15	8.6	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromobenzene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromochloromethane	<25		59	25	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromodichloromethane	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromoform	<29		59	29	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Bromomethane	<47		180	47	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Carbon tetrachloride	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Chlorobenzene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Chloroethane	<30		59	30	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Chloroform	<22		120	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Chloromethane	<19		59	19	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
2-Chlorotoluene	<19		59	19	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
4-Chlorotoluene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
cis-1,2-Dichloroethene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
cis-1,3-Dichloropropene	<25		59	25	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Dibromochloromethane	<29		59	29	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dibromo-3-Chloropropane	<120 *		300	120	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dibromoethane	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Dibromomethane	<16		59	16	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dichlorobenzene	<20		59	20	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,3-Dichlorobenzene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,4-Dichlorobenzene	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Dichlorodifluoromethane	<40		180	40	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1-Dichloroethane	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dichloroethane	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1-Dichloroethene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2-Dichloropropane	<25		59	25	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,3-Dichloropropane	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
2,2-Dichloropropane	<26		59	26	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1-Dichloropropene	<18		59	18	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Ethylbenzene	<11		15	11	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Hexachlorobutadiene	<26		59	26	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Isopropylbenzene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Isopropyl ether	<16		59	16	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Methylene Chloride	<96		300	96	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Methyl tert-butyl ether	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Naphthalene	<20		59	20	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
n-Butylbenzene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
N-Propylbenzene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
p-Isopropyltoluene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
sec-Butylbenzene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Styrene	<23		59	23	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
tert-Butylbenzene	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1,1,2-Tetrachloroethane	<27		59	27	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1,1,2,2-Tetrachloroethane	<24		59	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Tetrachloroethene	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Toluene	<8.7		15	8.7	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
trans-1,2-Dichloroethene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
trans-1,3-Dichloropropene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Date Collected: 07/30/20 10:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 93.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<27		59	27	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2,4-Trichlorobenzene	<20		59	20	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1,1-Trichloroethane	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,1,2-Trichloroethane	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Trichloroethene	<9.7		30	9.7	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Trichlorofluoromethane	<25		59	25	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2,3-Trichloropropane	<24		120	24	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,2,4-Trimethylbenzene	<21		59	21	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
1,3,5-Trimethylbenzene	<22		59	22	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Vinyl chloride	<15		59	15	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Xylenes, Total	<13		30	13	ug/Kg	☼	07/30/20 10:15	08/07/20 16:01	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		72 - 124				07/30/20 10:15	08/07/20 16:01	50
Dibromofluoromethane (Surr)	89		75 - 120				07/30/20 10:15	08/07/20 16:01	50
1,2-Dichloroethane-d4 (Surr)	98		75 - 126				07/30/20 10:15	08/07/20 16:01	50
Toluene-d8 (Surr)	99		75 - 120				07/30/20 10:15	08/07/20 16:01	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.6		71	8.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
2-Methylnaphthalene	<6.5		71	6.5	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Acenaphthene	<6.3		35	6.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Acenaphthylene	<4.6		35	4.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Anthracene	34 J		35	5.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[a]anthracene	21 J		35	4.7	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[a]pyrene	23 J		35	6.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[b]fluoranthene	32 J		35	7.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[g,h,i]perylene	13 J		35	11	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Chrysene	22 J		35	9.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Dibenz(a,h)anthracene	<6.8		35	6.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Fluoranthene	61		35	6.5	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Fluorene	<4.9		35	4.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Indeno[1,2,3-cd]pyrene	14 J		35	9.1	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Naphthalene	<5.4		35	5.4	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Phenanthrene	48		35	4.9	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Pyrene	34 J		35	7.0	ug/Kg	☼	08/12/20 07:29	08/12/20 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		43 - 145				08/12/20 07:29	08/12/20 22:31	1
Nitrobenzene-d5 (Surr)	77		37 - 147				08/12/20 07:29	08/12/20 22:31	1
Terphenyl-d14 (Surr)	82		42 - 157				08/12/20 07:29	08/12/20 22:31	1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Gasoline Range Organics (C5-C10)	<0.58		1.7	0.58	mg/Kg	☼	07/30/20 10:15	08/12/20 22:39	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Date Collected: 07/30/20 10:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 93.1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	<1.5		3.7	1.5	mg/Kg	☼	08/07/20 09:40	08/10/20 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Nonane	76		44 - 148	08/07/20 09:40	08/10/20 10:42	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		1.0	0.35	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Barium	17		1.0	0.12	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Cadmium	0.13	J	0.21	0.037	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Chromium	6.7	B	1.0	0.51	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Lead	5.0		0.51	0.24	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Selenium	<0.60		1.0	0.60	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1
Silver	<0.13		0.51	0.13	mg/Kg	☼	08/12/20 19:04	08/13/20 09:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017		0.017	0.0056	mg/Kg	☼	08/12/20 13:10	08/13/20 08:38	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 96.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.7		13	7.7	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromobenzene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromochloromethane	<23		53	23	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromodichloromethane	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromoform	<26		53	26	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Bromomethane	<42		160	42	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Carbon tetrachloride	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Chlorobenzene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Chloroethane	<27		53	27	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Chloroform	<20		110	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Chloromethane	<17		53	17	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
2-Chlorotoluene	<17		53	17	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
4-Chlorotoluene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
cis-1,2-Dichloroethene	<22		53	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
cis-1,3-Dichloropropene	<22		53	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Dibromochloromethane	<26		53	26	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dibromo-3-Chloropropane	<110 *		260	110	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dibromoethane	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Dibromomethane	<14		53	14	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dichlorobenzene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,3-Dichlorobenzene	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,4-Dichlorobenzene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Dichlorodifluoromethane	<36		160	36	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1-Dichloroethane	<22		53	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dichloroethane	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1-Dichloroethene	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2-Dichloropropane	<23		53	23	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,3-Dichloropropane	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
2,2-Dichloropropane	<23		53	23	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1-Dichloropropene	<16		53	16	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Ethylbenzene	<9.7		13	9.7	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Hexachlorobutadiene	<24		53	24	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Isopropylbenzene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Isopropyl ether	<15		53	15	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Methylene Chloride	<86		260	86	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Methyl tert-butyl ether	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Naphthalene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
n-Butylbenzene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
N-Propylbenzene	<22		53	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
p-Isopropyltoluene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
sec-Butylbenzene	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Styrene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
tert-Butylbenzene	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1,1,2-Tetrachloroethane	<24		53	24	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1,2,2-Tetrachloroethane	<21		53	21	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Tetrachloroethene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Toluene	<7.8		13	7.8	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
trans-1,2-Dichloroethene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
trans-1,3-Dichloropropene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 96.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<24		53	24	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2,4-Trichlorobenzene	<18		53	18	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1,1-Trichloroethane	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,1,2-Trichloroethane	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Trichloroethene	<8.7		26	8.7	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Trichlorofluoromethane	<23		53	23	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2,3-Trichloropropane	<22		110	22	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,2,4-Trimethylbenzene	<19		53	19	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
1,3,5-Trimethylbenzene	<20		53	20	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Vinyl chloride	<14		53	14	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Xylenes, Total	<12		26	12	ug/Kg	☼	07/30/20 10:30	08/07/20 16:26	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124				07/30/20 10:30	08/07/20 16:26	50
Dibromofluoromethane (Surr)	91		75 - 120				07/30/20 10:30	08/07/20 16:26	50
1,2-Dichloroethane-d4 (Surr)	98		75 - 126				07/30/20 10:30	08/07/20 16:26	50
Toluene-d8 (Surr)	96		75 - 120				07/30/20 10:30	08/07/20 16:26	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.3		69	8.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
2-Methylnaphthalene	<6.3		69	6.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Acenaphthene	<6.1		34	6.1	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Acenaphthylene	<4.5		34	4.5	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Anthracene	<5.7		34	5.7	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[a]anthracene	<4.6		34	4.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[a]pyrene	<6.6		34	6.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[b]fluoranthene	<7.4		34	7.4	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[g,h,i]perylene	<11		34	11	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Chrysene	<9.3		34	9.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Dibenz(a,h)anthracene	<6.6		34	6.6	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Fluoranthene	30	J	34	6.3	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Fluorene	<4.8		34	4.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Indeno[1,2,3-cd]pyrene	<8.8		34	8.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Naphthalene	<5.2		34	5.2	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Phenanthrene	30	J	34	4.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Pyrene	<6.8		34	6.8	ug/Kg	☼	08/12/20 07:29	08/12/20 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		43 - 145				08/12/20 07:29	08/12/20 22:58	1
Nitrobenzene-d5 (Surr)	69		37 - 147				08/12/20 07:29	08/12/20 22:58	1
Terphenyl-d14 (Surr)	84		42 - 157				08/12/20 07:29	08/12/20 22:58	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.70	J	0.98	0.33	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Barium	2.7		0.98	0.11	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Cadmium	0.097	J	0.20	0.035	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Chromium	5.5	B	0.98	0.48	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 96.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		0.49	0.23	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Selenium	<0.58		0.98	0.58	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1
Silver	<0.13		0.49	0.13	mg/Kg	☼	08/12/20 19:04	08/13/20 09:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0054		0.016	0.0054	mg/Kg	☼	08/12/20 13:10	08/13/20 08:40	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4
Date Collected: 07/30/20 10:40
Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/07/20 13:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/07/20 13:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/07/20 13:30	1
Bromoform	<0.48		1.0	0.48	ug/L			08/07/20 13:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/07/20 13:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/07/20 13:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/07/20 13:30	1
Chloroform	<0.37		2.0	0.37	ug/L			08/07/20 13:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/07/20 13:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/07/20 13:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/07/20 13:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/07/20 13:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/07/20 13:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/07/20 13:30	1
1,2-Dibromo-3-Chloropropane	<2.0 *		5.0	2.0	ug/L			08/07/20 13:30	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/07/20 13:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/07/20 13:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/07/20 13:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/07/20 13:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/07/20 13:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/07/20 13:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/07/20 13:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/07/20 13:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/07/20 13:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/07/20 13:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/07/20 13:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/07/20 13:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/07/20 13:30	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:30	1
Styrene	<0.39		1.0	0.39	ug/L			08/07/20 13:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/07/20 13:30	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/07/20 13:30	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/07/20 13:30	1
Toluene	0.33 J		0.50	0.15	ug/L			08/07/20 13:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/07/20 13:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4
Date Collected: 07/30/20 10:40
Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/07/20 13:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/07/20 13:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/07/20 13:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/07/20 13:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/07/20 13:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/07/20 13:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/07/20 13:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/07/20 13:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/07/20 13:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/07/20 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124					08/07/20 13:30	1
Dibromofluoromethane (Surr)	98		75 - 120					08/07/20 13:30	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126					08/07/20 13:30	1
Toluene-d8 (Surr)	99		75 - 120					08/07/20 13:30	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.23		0.76	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
Acenaphthylene	<0.20		0.76	0.20	ug/L		08/06/20 07:28	08/07/20 03:23	1
Anthracene	0.47	J	0.76	0.25	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[a]anthracene	1.2		0.15	0.043	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[a]pyrene	1.2		0.15	0.075	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[b]fluoranthene	1.3		0.15	0.061	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[g,h,i]perylene	0.47	J	0.76	0.29	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzoic acid	<4.4		15	4.4	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzo[k]fluoranthene	0.49		0.15	0.049	ug/L		08/06/20 07:28	08/07/20 03:23	1
Benzyl alcohol	<4.6		15	4.6	ug/L		08/06/20 07:28	08/07/20 03:23	1
Bis(2-chloroethoxy)methane	<0.22		1.5	0.22	ug/L		08/06/20 07:28	08/07/20 03:23	1
Bis(2-chloroethyl)ether	<0.22		1.5	0.22	ug/L		08/06/20 07:28	08/07/20 03:23	1
Bis(2-ethylhexyl) phthalate	<1.3		7.6	1.3	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Bromophenyl phenyl ether	<0.41		3.8	0.41	ug/L		08/06/20 07:28	08/07/20 03:23	1
Butyl benzyl phthalate	<0.37		1.5	0.37	ug/L		08/06/20 07:28	08/07/20 03:23	1
Carbazole	<0.27		3.8	0.27	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Chloroaniline	<1.5		7.6	1.5	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Chloro-3-methylphenol	<1.7		7.6	1.7	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Chloronaphthalene	<0.18		1.5	0.18	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Chlorophenol	<0.42		3.8	0.42	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Chlorophenyl phenyl ether	<0.48		3.8	0.48	ug/L		08/06/20 07:28	08/07/20 03:23	1
Chrysene	0.98		0.15	0.052	ug/L		08/06/20 07:28	08/07/20 03:23	1
Dibenz(a,h)anthracene	0.20	J	0.23	0.039	ug/L		08/06/20 07:28	08/07/20 03:23	1
Dibenzofuran	0.20	J	1.5	0.20	ug/L		08/06/20 07:28	08/07/20 03:23	1
1,2-Dichlorobenzene	<0.19		1.5	0.19	ug/L		08/06/20 07:28	08/07/20 03:23	1
1,3-Dichlorobenzene	<0.16		1.5	0.16	ug/L		08/06/20 07:28	08/07/20 03:23	1
1,4-Dichlorobenzene	<0.16		1.5	0.16	ug/L		08/06/20 07:28	08/07/20 03:23	1
3,3'-Dichlorobenzidine	<1.3		3.8	1.3	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4-Dichlorophenol	<2.0		7.6	2.0	ug/L		08/06/20 07:28	08/07/20 03:23	1
Diethyl phthalate	<0.27		3.8	0.27	ug/L		08/06/20 07:28	08/07/20 03:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4
Date Collected: 07/30/20 10:40
Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	<1.4		7.6	1.4	ug/L		08/06/20 07:28	08/07/20 03:23	1
Dimethyl phthalate	<0.24		3.8	0.24	ug/L		08/06/20 07:28	08/07/20 03:23	1
Di-n-butyl phthalate	<0.56		3.8	0.56	ug/L		08/06/20 07:28	08/07/20 03:23	1
4,6-Dinitro-2-methylphenol	<4.5		15	4.5	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4-Dinitrophenol	<6.5		15	6.5	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4-Dinitrotoluene	<0.19		0.76	0.19	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,6-Dinitrotoluene	<0.056		0.76	0.056	ug/L		08/06/20 07:28	08/07/20 03:23	1
Di-n-octyl phthalate	<0.80		7.6	0.80	ug/L		08/06/20 07:28	08/07/20 03:23	1
Fluoranthene	2.0		0.76	0.35	ug/L		08/06/20 07:28	08/07/20 03:23	1
Fluorene	0.30	J	0.76	0.19	ug/L		08/06/20 07:28	08/07/20 03:23	1
Hexachlorobenzene	<0.060		0.38	0.060	ug/L		08/06/20 07:28	08/07/20 03:23	1
Hexachlorobutadiene	<0.39		3.8	0.39	ug/L		08/06/20 07:28	08/07/20 03:23	1
Hexachlorocyclopentadiene	<4.8		15	4.8	ug/L		08/06/20 07:28	08/07/20 03:23	1
Hexachloroethane	<0.46		3.8	0.46	ug/L		08/06/20 07:28	08/07/20 03:23	1
Indeno[1,2,3-cd]pyrene	0.50		0.15	0.057	ug/L		08/06/20 07:28	08/07/20 03:23	1
Isophorone	<0.29		1.5	0.29	ug/L		08/06/20 07:28	08/07/20 03:23	1
1-Methylnaphthalene	<0.23		1.5	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Methylnaphthalene	0.17	J	1.5	0.050	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Methylphenol	<0.23		1.5	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
3 & 4 Methylphenol	<0.34		1.5	0.34	ug/L		08/06/20 07:28	08/07/20 03:23	1
Naphthalene	0.35	J	0.76	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Nitroaniline	<0.98		3.8	0.98	ug/L		08/06/20 07:28	08/07/20 03:23	1
3-Nitroaniline	<1.4		7.6	1.4	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Nitroaniline	<1.3		7.6	1.3	ug/L		08/06/20 07:28	08/07/20 03:23	1
Nitrobenzene	<0.34		0.76	0.34	ug/L		08/06/20 07:28	08/07/20 03:23	1
2-Nitrophenol	<1.9		7.6	1.9	ug/L		08/06/20 07:28	08/07/20 03:23	1
4-Nitrophenol	<5.6		15	5.6	ug/L		08/06/20 07:28	08/07/20 03:23	1
N-Nitrosodi-n-propylamine	<0.12		0.38	0.12	ug/L		08/06/20 07:28	08/07/20 03:23	1
N-Nitrosodiphenylamine	<0.28		1.5	0.28	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,2'-oxybis[1-chloropropane]	<0.29		1.5	0.29	ug/L		08/06/20 07:28	08/07/20 03:23	1
Pentachlorophenol	<3.0		15	3.0	ug/L		08/06/20 07:28	08/07/20 03:23	1
Phenanthrene	1.7		0.76	0.23	ug/L		08/06/20 07:28	08/07/20 03:23	1
Phenol	<0.51		3.8	0.51	ug/L		08/06/20 07:28	08/07/20 03:23	1
Pyrene	1.9		0.76	0.32	ug/L		08/06/20 07:28	08/07/20 03:23	1
1,2,4-Trichlorobenzene	<0.18		1.5	0.18	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4,5-Trichlorophenol	<1.9		7.6	1.9	ug/L		08/06/20 07:28	08/07/20 03:23	1
2,4,6-Trichlorophenol	<0.54		3.8	0.54	ug/L		08/06/20 07:28	08/07/20 03:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		34 - 110	08/06/20 07:28	08/07/20 03:23	1
2-Fluorophenol (Surr)	84		27 - 110	08/06/20 07:28	08/07/20 03:23	1
Nitrobenzene-d5 (Surr)	98		36 - 120	08/06/20 07:28	08/07/20 03:23	1
Phenol-d5 (Surr)	60		20 - 110	08/06/20 07:28	08/07/20 03:23	1
Terphenyl-d14 (Surr)	119		40 - 145	08/06/20 07:28	08/07/20 03:23	1
2,4,6-Tribromophenol (Surr)	104		40 - 145	08/06/20 07:28	08/07/20 03:23	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		1.0	0.23	ug/L		08/04/20 17:41	08/05/20 16:47	1
Barium	230		2.5	0.73	ug/L		08/04/20 17:41	08/05/20 16:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4

Lab Sample ID: 500-185839-7

Date Collected: 07/30/20 10:40

Matrix: Water

Date Received: 08/01/20 10:00

Method: 6020A - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.17		0.50	0.17	ug/L		08/04/20 17:41	08/05/20 16:47	1
Chromium	<1.1		5.0	1.1	ug/L		08/04/20 17:41	08/05/20 16:47	1
Lead	<0.19		0.50	0.19	ug/L		08/04/20 17:41	08/05/20 16:47	1
Selenium	<0.98		2.5	0.98	ug/L		08/04/20 17:41	08/05/20 16:47	1
Silver	<0.12		0.50	0.12	ug/L		08/04/20 17:41	08/05/20 16:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/11/20 09:45	08/12/20 08:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	<1.5		5.6	1.5	mg/L		08/07/20 08:10	08/07/20 08:16	1



Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-8

Date Collected: 07/30/20 00:00

Matrix: Solid

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromobenzene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromochloromethane	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromodichloromethane	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromoform	<24		50	24	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Bromomethane	<40		150	40	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Carbon tetrachloride	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Chlorobenzene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Chloroethane	<25		50	25	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Chloroform	<19		100	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Chloromethane	<16		50	16	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
2-Chlorotoluene	<16		50	16	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
4-Chlorotoluene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Dibromochloromethane	<24		50	24	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dibromo-3-Chloropropane	<100 *		250	100	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dibromoethane	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Dibromomethane	<14		50	14	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1-Dichloroethane	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dichloroethane	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1-Dichloroethene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2-Dichloropropane	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,3-Dichloropropane	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
2,2-Dichloropropane	<22		50	22	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1-Dichloropropene	<15		50	15	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Hexachlorobutadiene	<22		50	22	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Isopropylbenzene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Isopropyl ether	<14		50	14	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Methylene Chloride	<82		250	82	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Naphthalene	<17		50	17	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
n-Butylbenzene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
N-Propylbenzene	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
p-Isopropyltoluene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
sec-Butylbenzene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Styrene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
tert-Butylbenzene	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Tetrachloroethene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Toluene	<7.4		13	7.4	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-8

Date Collected: 07/30/20 00:00

Matrix: Solid

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Trichloroethene	<8.2		25	8.2	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Trichlorofluoromethane	<21		50	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Vinyl chloride	<13		50	13	ug/Kg		07/30/20 12:00	08/07/20 12:38	50
Xylenes, Total	<11		25	11	ug/Kg		07/30/20 12:00	08/07/20 12:38	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		72 - 124	07/30/20 12:00	08/07/20 12:38	50
Dibromofluoromethane (Surr)	87		75 - 120	07/30/20 12:00	08/07/20 12:38	50
1,2-Dichloroethane-d4 (Surr)	94		75 - 126	07/30/20 12:00	08/07/20 12:38	50
Toluene-d8 (Surr)	102		75 - 120	07/30/20 12:00	08/07/20 12:38	50

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-9

Date Collected: 07/30/20 00:00

Matrix: Water

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/07/20 13:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/07/20 13:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/07/20 13:05	1
Bromoform	<0.48		1.0	0.48	ug/L			08/07/20 13:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/07/20 13:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/07/20 13:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/07/20 13:05	1
Chloroform	<0.37		2.0	0.37	ug/L			08/07/20 13:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/07/20 13:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/07/20 13:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/07/20 13:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/07/20 13:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/07/20 13:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/07/20 13:05	1
1,2-Dibromo-3-Chloropropane	<2.0 *		5.0	2.0	ug/L			08/07/20 13:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/07/20 13:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/07/20 13:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/07/20 13:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/07/20 13:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/07/20 13:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/07/20 13:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/07/20 13:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/07/20 13:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/07/20 13:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/07/20 13:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/07/20 13:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/07/20 13:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/07/20 13:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:05	1
Styrene	<0.39		1.0	0.39	ug/L			08/07/20 13:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 13:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/07/20 13:05	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/07/20 13:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/07/20 13:05	1
Toluene	<0.15		0.50	0.15	ug/L			08/07/20 13:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/07/20 13:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-185839-9

Date Collected: 07/30/20 00:00

Matrix: Water

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/07/20 13:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/07/20 13:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/07/20 13:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/07/20 13:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/07/20 13:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/07/20 13:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/07/20 13:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/07/20 13:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/07/20 13:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/07/20 13:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/07/20 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124		08/07/20 13:05	1
Dibromofluoromethane (Surr)	95		75 - 120		08/07/20 13:05	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		08/07/20 13:05	1
Toluene-d8 (Surr)	101		75 - 120		08/07/20 13:05	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Chloroform	<0.020		0.040	0.020	mg/L			08/13/20 20:06	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			08/13/20 20:06	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Trichloroethene	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			08/13/20 20:06	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/13/20 20:06	20
Dibromofluoromethane (Surr)	95		75 - 120		08/13/20 20:06	20
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		08/13/20 20:06	20
Toluene-d8 (Surr)	94		75 - 120		08/13/20 20:06	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 11:53	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 11:53	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 11:53	1
Hexachlorobutadiene	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 11:53	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 11:53	1
2-Methylphenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 11:53	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 11:53	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 11:53	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		08/20/20 19:25	08/21/20 11:53	1
Pyridine	<0.20		0.20	0.20	mg/L		08/20/20 19:25	08/21/20 11:53	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		08/20/20 19:25	08/21/20 11:53	1
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	99		34 - 110	08/20/20 19:25	08/21/20 11:53	1
2-Fluorophenol (Surr)	115	X	27 - 110	08/20/20 19:25	08/21/20 11:53	1
Nitrobenzene-d5 (Surr)	95		36 - 120	08/20/20 19:25	08/21/20 11:53	1
Phenol-d5 (Surr)	67		20 - 100	08/20/20 19:25	08/21/20 11:53	1
Terphenyl-d14 (Surr)	119		40 - 145	08/20/20 19:25	08/21/20 11:53	1
2,4,6-Tribromophenol (Surr)	125		40 - 145	08/20/20 19:25	08/21/20 11:53	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Barium	0.77		0.50	0.050	mg/L		08/17/20 06:00	08/18/20 00:22	1
Cadmium	0.0099		0.0050	0.0020	mg/L		08/17/20 06:00	08/18/20 00:22	1
Chromium	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Copper	0.013	J	0.025	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Lead	0.83		0.050	0.0075	mg/L		08/17/20 06:00	08/18/20 00:22	1
Nickel	0.035		0.025	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Selenium	<0.020		0.050	0.020	mg/L		08/17/20 06:00	08/18/20 00:22	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/18/20 00:22	1
Zinc	2.7		0.10	0.020	mg/L		08/17/20 06:00	08/18/20 00:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/17/20 10:10	08/18/20 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176		99.0	99.0	Degrees F			08/13/20 20:00	1
Cyanide, Total	0.13	J	0.22	0.11	mg/Kg		08/12/20 09:45	08/12/20 15:51	1
Total Sulfide	<4.7		9.9	4.7	mg/Kg		08/13/20 17:25	08/14/20 00:13	1
pH	8.3		0.2	0.2	SU			08/14/20 17:21	1
Free Liquid	Pass				No Unit			08/13/20 22:10	1
Specific Gravity	2.0904				NONE			08/14/20 16:22	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		19	6.6	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1221	<8.2		19	8.2	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1232	<8.1		19	8.1	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1242	<6.1		19	6.1	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1248	<7.3		19	7.3	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1254	<4.0		19	4.0	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
PCB-1260	<9.2		19	9.2	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1
Polychlorinated biphenyls, Total	<3.6		19	3.6	ug/Kg	☼	08/14/20 06:37	08/14/20 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		49 - 129	08/14/20 06:37	08/14/20 21:13	1
DCB Decachlorobiphenyl	223	X	37 - 121	08/14/20 06:37	08/14/20 21:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chlorine	<0.11		0.11	0.11	%	☼	08/07/20 12:16	08/07/20 16:25	1

Definitions/Glossary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

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Definitions/Glossary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

GC/MS VOA

Prep Batch: 555087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	5035	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	5035	
500-185839-3	GP-3 5-7.5	Total/NA	Solid	5035	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	5035	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI GRO	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	5035	
500-185839-8	Trip Blank	Total/NA	Solid	5035	
LB3 500-555087/18-A	Method Blank	Total/NA	Solid	5035	
LCS 500-555087/19-A	Lab Control Sample	Total/NA	Water	5035	

Analysis Batch: 555803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	8260B	555087
500-185839-2	GP-2 2.5-5	Total/NA	Solid	8260B	555087
500-185839-3	GP-3 5-7.5	Total/NA	Solid	8260B	555087
500-185839-4	GP-4 7.5-10	Total/NA	Solid	8260B	555087
500-185839-5	GP-5 2.5-5	Total/NA	Solid	8260B	555087
500-185839-6	GP-6 2.5-5	Total/NA	Solid	8260B	555087
500-185839-8	Trip Blank	Total/NA	Solid	8260B	555087
LB3 500-555087/18-A	Method Blank	Total/NA	Solid	8260B	555087
MB 500-555803/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-555803/5	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 555810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	8260B	
500-185839-9	Trip Blank	Total/NA	Water	8260B	
MB 500-555810/7	Method Blank	Total/NA	Water	8260B	
LCS 500-555810/5	Lab Control Sample	Total/NA	Water	8260B	
500-185839-7 MS	TW-4	Total/NA	Water	8260B	
500-185839-7 MSD	TW-4	Total/NA	Water	8260B	

Analysis Batch: 556034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-556034/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-555087/19-A	Lab Control Sample	Total/NA	Water	8260B	555087

Leach Batch: 556491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	1311	
LB 500-556491/1-A	Method Blank	TCLP	Solid	1311	
500-185839-10 MS	WASTE-1	TCLP	Solid	1311	
500-185839-10 MSD	WASTE-1	TCLP	Solid	1311	

Analysis Batch: 556582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	8260B	556491
LB 500-556491/1-A	Method Blank	TCLP	Solid	8260B	556491
MB 500-556582/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-556582/4	Lab Control Sample	Total/NA	Solid	8260B	
500-185839-10 MS	WASTE-1	TCLP	Solid	8260B	556491

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

GC/MS VOA (Continued)

Analysis Batch: 556582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10 MSD	WASTE-1	TCLP	Solid	8260B	556491

GC/MS Semi VOA

Prep Batch: 555581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	3510C	
MB 500-555581/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-555581/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 555728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	8270D	555581
MB 500-555581/1-A	Method Blank	Total/NA	Water	8270D	555581
LCS 500-555581/2-A	Lab Control Sample	Total/NA	Water	8270D	555581

Prep Batch: 556405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	3541	
500-185839-1 - DL	GP-1 7.5-10	Total/NA	Solid	3541	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	3541	
500-185839-2 - DL	GP-2 2.5-5	Total/NA	Solid	3541	
500-185839-3	GP-3 5-7.5	Total/NA	Solid	3541	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	3541	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	3541	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	3541	
LCS 500-556405/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 556515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	8270D	556405
500-185839-2	GP-2 2.5-5	Total/NA	Solid	8270D	556405
500-185839-3	GP-3 5-7.5	Total/NA	Solid	8270D	556405
500-185839-4	GP-4 7.5-10	Total/NA	Solid	8270D	556405
500-185839-5	GP-5 2.5-5	Total/NA	Solid	8270D	556405
500-185839-6	GP-6 2.5-5	Total/NA	Solid	8270D	556405
LCS 500-556405/2-A	Lab Control Sample	Total/NA	Solid	8270D	556405

Analysis Batch: 556625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1 - DL	GP-1 7.5-10	Total/NA	Solid	8270D	556405
500-185839-2 - DL	GP-2 2.5-5	Total/NA	Solid	8270D	556405

Leach Batch: 556700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	1311	
LB 500-556700/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 557881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	3510C	556700

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

GC/MS Semi VOA (Continued)

Prep Batch: 557881 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-556700/1-D	Method Blank	TCLP	Solid	3510C	556700
MB 500-557881/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-557881/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Analysis Batch: 557972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-556700/1-D	Method Blank	TCLP	Solid	8270D	557881
MB 500-557881/1-A	Method Blank	Total/NA	Solid	8270D	557881
LCS 500-557881/2-A	Lab Control Sample	Total/NA	Solid	8270D	557881

Analysis Batch: 557995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	8270D	557881

GC VOA

Prep Batch: 555087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI GRO	
LCS 500-555087/20-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 500-555087/21-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 556337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI-GRO	555087
LCS 500-555087/20-A	Lab Control Sample	Total/NA	Solid	WI-GRO	555087
LCSD 500-555087/21-A	Lab Control Sample Dup	Total/NA	Solid	WI-GRO	555087

GC Semi VOA

Prep Batch: 555849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI DRO PREP	
MB 500-555849/1-A	Method Blank	Total/NA	Solid	WI DRO PREP	
LCS 500-555849/2-A	Lab Control Sample	Total/NA	Solid	WI DRO PREP	
LCSD 500-555849/3-A	Lab Control Sample Dup	Total/NA	Solid	WI DRO PREP	

Analysis Batch: 556055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-5	GP-5 2.5-5	Total/NA	Solid	WI-DRO	555849
MB 500-555849/1-A	Method Blank	Total/NA	Solid	WI-DRO	555849
LCS 500-555849/2-A	Lab Control Sample	Total/NA	Solid	WI-DRO	555849
LCSD 500-555849/3-A	Lab Control Sample Dup	Total/NA	Solid	WI-DRO	555849

Prep Batch: 556801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	3541	
MB 500-556801/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-556801/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-185839-10 MS	WASTE-1	Total/NA	Solid	3541	
500-185839-10 MSD	WASTE-1	Total/NA	Solid	3541	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

GC Semi VOA

Analysis Batch: 556980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	8082A	556801
MB 500-556801/1-A	Method Blank	Total/NA	Solid	8082A	556801
LCS 500-556801/2-A	Lab Control Sample	Total/NA	Solid	8082A	556801
500-185839-10 MS	WASTE-1	Total/NA	Solid	8082A	556801
500-185839-10 MSD	WASTE-1	Total/NA	Solid	8082A	556801

Metals

Prep Batch: 555288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Dissolved	Water	3005A	
MB 500-555288/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-555288/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Filtration Batch: 555396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-555396/1-D	Method Blank	Dissolved	Water	FILTRATION	

Analysis Batch: 555668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Dissolved	Water	6020A	555288
MB 500-555288/1-A	Method Blank	Total Recoverable	Water	6020A	555288
LCS 500-555288/2-A	Lab Control Sample	Total Recoverable	Water	6020A	555288

Prep Batch: 556256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Dissolved	Water	7470A	
MB 500-555396/1-D	Method Blank	Dissolved	Water	7470A	555396
LCS 500-556256/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 556442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Dissolved	Water	7470A	556256
MB 500-555396/1-D	Method Blank	Dissolved	Water	7470A	556256
LCS 500-556256/13-A	Lab Control Sample	Total/NA	Water	7470A	556256

Prep Batch: 556452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	7471B	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	7471B	
500-185839-3	GP-3 5-7.5	Total/NA	Solid	7471B	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	7471B	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	7471B	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	7471B	
MB 500-556452/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-556452/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 556536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	3050B	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	3050B	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Metals (Continued)

Prep Batch: 556536 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-3	GP-3 5-7.5	Total/NA	Solid	3050B	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	3050B	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	3050B	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	3050B	
MB 500-556536/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-556536/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 556665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	7471B	556452
500-185839-2	GP-2 2.5-5	Total/NA	Solid	7471B	556452
500-185839-3	GP-3 5-7.5	Total/NA	Solid	7471B	556452
500-185839-4	GP-4 7.5-10	Total/NA	Solid	7471B	556452
500-185839-5	GP-5 2.5-5	Total/NA	Solid	7471B	556452
500-185839-6	GP-6 2.5-5	Total/NA	Solid	7471B	556452
MB 500-556452/12-A	Method Blank	Total/NA	Solid	7471B	556452
LCS 500-556452/13-A	Lab Control Sample	Total/NA	Solid	7471B	556452

Analysis Batch: 556694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	6010C	556536
500-185839-2	GP-2 2.5-5	Total/NA	Solid	6010C	556536
500-185839-3	GP-3 5-7.5	Total/NA	Solid	6010C	556536
500-185839-4	GP-4 7.5-10	Total/NA	Solid	6010C	556536
500-185839-5	GP-5 2.5-5	Total/NA	Solid	6010C	556536
500-185839-6	GP-6 2.5-5	Total/NA	Solid	6010C	556536
MB 500-556536/1-A	Method Blank	Total/NA	Solid	6010C	556536
LCS 500-556536/2-A	Lab Control Sample	Total/NA	Solid	6010C	556536

Leach Batch: 556700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	1311	
LB 500-556700/1-B	Method Blank	TCLP	Solid	1311	
LB 500-556700/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 557085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	3010A	556700
LB 500-556700/1-B	Method Blank	TCLP	Solid	3010A	556700
LCS 500-557085/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 557189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	7470A	556700
LB 500-556700/1-C	Method Blank	TCLP	Solid	7470A	556700
MB 500-557189/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-557189/14-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 557303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	6010B	557085

Eurofins TestAmerica, Chicago

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Metals (Continued)

Analysis Batch: 557303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-556700/1-B	Method Blank	TCLP	Solid	6010B	557085
LCS 500-557085/2-A	Lab Control Sample	Total/NA	Solid	6010B	557085

Analysis Batch: 557396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	TCLP	Solid	7470A	557189
LB 500-556700/1-C	Method Blank	TCLP	Solid	7470A	557189
MB 500-557189/12-A	Method Blank	Total/NA	Solid	7470A	557189
LCS 500-557189/14-A	Lab Control Sample	Total/NA	Solid	7470A	557189

General Chemistry

Prep Batch: 555817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	1664B	
MB 500-555817/1-A	Method Blank	Total/NA	Water	1664B	
LCS 500-555817/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 555820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-7	TW-4	Total/NA	Water	1664B	555817
MB 500-555817/1-A	Method Blank	Total/NA	Water	1664B	555817
LCS 500-555817/2-A	Lab Control Sample	Total/NA	Water	1664B	555817

Prep Batch: 556435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9010C	
MB 500-556435/1-A	Method Blank	Total/NA	Solid	9010C	
HLCS 500-556435/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 500-556435/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 500-556435/4-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 556623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-1	GP-1 7.5-10	Total/NA	Solid	Moisture	
500-185839-2	GP-2 2.5-5	Total/NA	Solid	Moisture	
500-185839-3	GP-3 5-7.5	Total/NA	Solid	Moisture	
500-185839-4	GP-4 7.5-10	Total/NA	Solid	Moisture	
500-185839-5	GP-5 2.5-5	Total/NA	Solid	Moisture	
500-185839-6	GP-6 2.5-5	Total/NA	Solid	Moisture	
500-185839-10	WASTE-1	Total/NA	Solid	Moisture	
500-185839-5 DU	GP-5 2.5-5	Total/NA	Solid	Moisture	

Analysis Batch: 556691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9012B	556435
MB 500-556435/1-A	Method Blank	Total/NA	Solid	9012B	556435
HLCS 500-556435/2-A	Lab Control Sample	Total/NA	Solid	9012B	556435
LCS 500-556435/3-A	Lab Control Sample	Total/NA	Solid	9012B	556435
LLCS 500-556435/4-A	Lab Control Sample	Total/NA	Solid	9012B	556435

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QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

General Chemistry

Prep Batch: 556729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9030B	
MB 500-556729/1-A	Method Blank	Total/NA	Solid	9030B	
LCS 500-556729/2-A	Lab Control Sample	Total/NA	Solid	9030B	

Analysis Batch: 556764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9034	556729
MB 500-556729/1-A	Method Blank	Total/NA	Solid	9034	556729
LCS 500-556729/2-A	Lab Control Sample	Total/NA	Solid	9034	556729

Analysis Batch: 556770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9095B	

Analysis Batch: 556772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	1010A	

Analysis Batch: 556942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	SM 2710F	

Analysis Batch: 557145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9045C	
LCS 500-557145/2	Lab Control Sample	Total/NA	Solid	9045C	
LCSD 500-557145/3	Lab Control Sample Dup	Total/NA	Solid	9045C	
500-185839-10 DU	WASTE-1	Total/NA	Solid	9045C	

Prep Batch: 629411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	5050	
MB 680-629411/1-A	Method Blank	Total/NA	Solid	5050	
LCS 680-629411/2-A	Lab Control Sample	Total/NA	Solid	5050	

Analysis Batch: 629464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-185839-10	WASTE-1	Total/NA	Solid	9251	629411
MB 680-629411/1-A	Method Blank	Total/NA	Solid	9251	629411
LCS 680-629411/2-A	Lab Control Sample	Total/NA	Solid	9251	629411

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-185839-1	GP-1 7.5-10	99	90	97	96
500-185839-2	GP-2 2.5-5	101	90	98	98
500-185839-3	GP-3 5-7.5	104	92	99	95
500-185839-4	GP-4 7.5-10	103	91	99	98
500-185839-5	GP-5 2.5-5	102	89	98	99
500-185839-6	GP-6 2.5-5	104	91	98	96
500-185839-8	Trip Blank	100	87	94	102
LB3 500-555087/18-A	Method Blank	101	90	95	99
LCS 500-555803/5	Lab Control Sample	87	96	103	107
LCS 500-556582/4	Lab Control Sample	88	95	108	96
MB 500-555803/7	Method Blank	105	94	97	99
MB 500-556034/6	Method Blank	90	94	113	92
MB 500-556582/6	Method Blank	92	93	108	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-185839-10	WASTE-1	94	95	110	94
500-185839-10 MS	WASTE-1	88	98	111	95
500-185839-10 MSD	WASTE-1	87	98	111	95
LB 500-556491/1-A	Method Blank	92	91	106	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-185839-7	TW-4	93	98	103	99
500-185839-7 MS	TW-4	94	101	105	98
500-185839-7 MSD	TW-4	95	103	106	98
500-185839-9	Trip Blank	93	95	103	101
LCS 500-555087/19-A	Lab Control Sample	87	95	109	93
LCS 500-555810/5	Lab Control Sample	95	102	105	100
MB 500-555810/7	Method Blank	95	97	105	99

Surrogate Legend

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Surrogate Summary

Client: TRC Environmental Corporation.

Job ID: 500-185839-1

Project/Site: 393855

FBP = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-185839-1	GP-1 7.5-10	62	48	56
500-185839-1 - DL	GP-1 7.5-10	0 D	0 D	0 D
500-185839-2	GP-2 2.5-5	77	55	64
500-185839-2 - DL	GP-2 2.5-5	0 D	0 D	0 D
500-185839-3	GP-3 5-7.5	73	87	88
500-185839-4	GP-4 7.5-10	80	94	101
500-185839-5	GP-5 2.5-5	69	77	82
500-185839-6	GP-6 2.5-5	61	69	84
LCS 500-556405/2-A	Lab Control Sample	89	102	99

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (34-110)	2FP (27-110)	NBZ (36-120)	PHL (20-100)	TPHL (40-145)	TBP (40-145)
LCS 500-557881/2-A	Lab Control Sample	99	61	108	30	105	145
MB 500-557881/1-A	Method Blank	83	48	94	21	105	125

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (34-110)	2FP (27-110)	NBZ (36-120)	PHL (20-100)	TPHL (40-145)	TBP (40-145)
500-185839-10	WASTE-1	99	115 X	95	67	119	125
LB 500-556700/1-D	Method Blank	79	39	88	25	101	130

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

Eurofins TestAmerica, Chicago

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (34-110)	2FP (27-110)	NBZ (36-120)	PHL (20-110)	TPHL (40-145)	TBP (40-145)
500-185839-7	TW-4	94	84	98	60	119	104
LCS 500-555581/2-A	Lab Control Sample	82	78	89	59	102	102
MB 500-555581/1-A	Method Blank	73	88	87	67	124	92

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCBP1 (37-121)
500-185839-10	WASTE-1	90	223 X
500-185839-10 MS	WASTE-1	83	183 X
500-185839-10 MSD	WASTE-1	88	194 X
LCS 500-556801/2-A	Lab Control Sample	94	120
MB 500-556801/1-A	Method Blank	94	116

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		C9 (44-148)
500-185839-5	GP-5 2.5-5	76
LCS 500-555849/2-A	Lab Control Sample	75
LCSD 500-555849/3-A	Lab Control Sample Dup	77
MB 500-555849/1-A	Method Blank	81

Surrogate Legend

C9 = n-Nonane

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-555087/18-A
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555087

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<7.3		13	7.3	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromobenzene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromochloromethane	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromodichloromethane	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromoform	<24		50	24	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Bromomethane	<40		150	40	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Carbon tetrachloride	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Chlorobenzene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Chloroethane	<25		50	25	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Chloroform	<19		100	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Chloromethane	<16		50	16	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
2-Chlorotoluene	<16		50	16	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
4-Chlorotoluene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Dibromochloromethane	<24		50	24	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dibromoethane	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Dibromomethane	<14		50	14	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1-Dichloroethane	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dichloroethane	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1-Dichloroethene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2-Dichloropropane	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,3-Dichloropropane	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
2,2-Dichloropropane	<22		50	22	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1-Dichloropropene	<15		50	15	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Hexachlorobutadiene	<22		50	22	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Isopropylbenzene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Isopropyl ether	<14		50	14	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Methylene Chloride	<82		250	82	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Naphthalene	<17		50	17	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
n-Butylbenzene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
N-Propylbenzene	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
p-Isopropyltoluene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
sec-Butylbenzene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Styrene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
tert-Butylbenzene	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Tetrachloroethene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Toluene	<7.4		13	7.4	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-555087/18-A
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555087

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Trichloroethene	<8.2		25	8.2	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Trichlorofluoromethane	<21		50	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Vinyl chloride	<13		50	13	ug/Kg		08/03/20 19:26	08/07/20 12:13	50
Xylenes, Total	<11		25	11	ug/Kg		08/03/20 19:26	08/07/20 12:13	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		72 - 124	08/03/20 19:26	08/07/20 12:13	50
Dibromofluoromethane (Surr)	90		75 - 120	08/03/20 19:26	08/07/20 12:13	50
1,2-Dichloroethane-d4 (Surr)	95		75 - 126	08/03/20 19:26	08/07/20 12:13	50
Toluene-d8 (Surr)	99		75 - 120	08/03/20 19:26	08/07/20 12:13	50

Lab Sample ID: LCS 500-555087/19-A
Matrix: Water
Analysis Batch: 556034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	2500	2290		ug/Kg		91	70 - 120
Bromobenzene	2500	2030		ug/Kg		81	70 - 122
Bromochloromethane	2500	2230		ug/Kg		89	65 - 122
Bromodichloromethane	2500	2110		ug/Kg		84	69 - 120
Bromoform	2500	1680		ug/Kg		67	56 - 132
Bromomethane	2500	2070		ug/Kg		83	40 - 152
Carbon tetrachloride	2500	2350		ug/Kg		94	59 - 133
Chlorobenzene	2500	2260		ug/Kg		90	70 - 120
Chloroethane	2500	2200		ug/Kg		88	48 - 136
Chloroform	2500	2260		ug/Kg		91	70 - 120
Chloromethane	2500	1570		ug/Kg		63	56 - 152
2-Chlorotoluene	2500	2110		ug/Kg		84	70 - 125
4-Chlorotoluene	2500	2190		ug/Kg		87	68 - 124
cis-1,2-Dichloroethene	2500	2190		ug/Kg		88	70 - 125
cis-1,3-Dichloropropene	2500	1920		ug/Kg		77	64 - 127
Dibromochloromethane	2500	1840		ug/Kg		74	68 - 125
1,2-Dibromo-3-Chloropropane	2500	1370	*	ug/Kg		55	56 - 123
1,2-Dibromoethane	2500	2030		ug/Kg		81	70 - 125
Dibromomethane	2500	2230		ug/Kg		89	70 - 120
1,2-Dichlorobenzene	2500	2130		ug/Kg		85	70 - 125
1,3-Dichlorobenzene	2500	2200		ug/Kg		88	70 - 125
1,4-Dichlorobenzene	2500	2170		ug/Kg		87	70 - 120
Dichlorodifluoromethane	2500	1060		ug/Kg		42	40 - 159
1,1-Dichloroethane	2500	2370		ug/Kg		95	70 - 125

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-555087/19-A
Matrix: Water
Analysis Batch: 556034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	2500	2720		ug/Kg		109	68 - 127
1,1-Dichloroethene	2500	2030		ug/Kg		81	67 - 122
1,2-Dichloropropane	2500	2430		ug/Kg		97	67 - 130
1,3-Dichloropropane	2500	2000		ug/Kg		80	62 - 136
2,2-Dichloropropane	2500	2370		ug/Kg		95	58 - 139
1,1-Dichloropropene	2500	2330		ug/Kg		93	70 - 121
Ethylbenzene	2500	2450		ug/Kg		98	70 - 123
Hexachlorobutadiene	2500	2780		ug/Kg		111	51 - 150
Isopropylbenzene	2500	2180		ug/Kg		87	70 - 126
Methylene Chloride	2500	2050		ug/Kg		82	69 - 125
Methyl tert-butyl ether	2500	2340		ug/Kg		94	55 - 123
Naphthalene	2500	1880		ug/Kg		75	53 - 144
n-Butylbenzene	2500	2440		ug/Kg		98	68 - 125
N-Propylbenzene	2500	2220		ug/Kg		89	69 - 127
p-Isopropyltoluene	2500	2450		ug/Kg		98	70 - 125
sec-Butylbenzene	2500	2340		ug/Kg		94	70 - 123
Styrene	2500	2260		ug/Kg		90	70 - 120
tert-Butylbenzene	2500	2260		ug/Kg		91	70 - 121
1,1,1,2-Tetrachloroethane	2500	2100		ug/Kg		84	70 - 125
1,1,2,2-Tetrachloroethane	2500	1610		ug/Kg		64	62 - 140
Tetrachloroethene	2500	2460		ug/Kg		98	70 - 128
Toluene	2500	2220		ug/Kg		89	70 - 125
trans-1,2-Dichloroethene	2500	2190		ug/Kg		88	70 - 125
trans-1,3-Dichloropropene	2500	1880		ug/Kg		75	62 - 128
1,2,3-Trichlorobenzene	2500	2190		ug/Kg		87	51 - 145
1,2,4-Trichlorobenzene	2500	2150		ug/Kg		86	57 - 137
1,1,1-Trichloroethane	2500	2360		ug/Kg		94	70 - 125
1,1,2-Trichloroethane	2500	2000		ug/Kg		80	71 - 130
Trichloroethene	2500	2390		ug/Kg		95	70 - 125
Trichlorofluoromethane	2500	2090		ug/Kg		84	55 - 128
1,2,3-Trichloropropane	2500	1800		ug/Kg		72	50 - 133
1,2,4-Trimethylbenzene	2500	2250		ug/Kg		90	70 - 123
1,3,5-Trimethylbenzene	2500	2250		ug/Kg		90	70 - 123
Vinyl chloride	2500	1790		ug/Kg		72	64 - 126
Xylenes, Total	5000	4860		ug/Kg		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
1,2-Dichloroethane-d4 (Surr)	109		75 - 126
Toluene-d8 (Surr)	93		75 - 120

Lab Sample ID: MB 500-555803/7
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			08/07/20 11:22	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555803/7
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromobenzene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			08/07/20 11:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			08/07/20 11:22	1
Bromoform	<0.48		1.0	0.48	ug/Kg			08/07/20 11:22	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			08/07/20 11:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			08/07/20 11:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			08/07/20 11:22	1
Chloroform	<0.37		2.0	0.37	ug/Kg			08/07/20 11:22	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			08/07/20 11:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			08/07/20 11:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			08/07/20 11:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			08/07/20 11:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			08/07/20 11:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			08/07/20 11:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			08/07/20 11:22	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			08/07/20 11:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			08/07/20 11:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			08/07/20 11:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			08/07/20 11:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			08/07/20 11:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			08/07/20 11:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			08/07/20 11:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			08/07/20 11:22	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			08/07/20 11:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			08/07/20 11:22	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			08/07/20 11:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			08/07/20 11:22	1
Methylene Chloride	2.28	J	5.0	1.6	ug/Kg			08/07/20 11:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			08/07/20 11:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			08/07/20 11:22	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			08/07/20 11:22	1
Styrene	<0.39		1.0	0.39	ug/Kg			08/07/20 11:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			08/07/20 11:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			08/07/20 11:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			08/07/20 11:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			08/07/20 11:22	1
Toluene	<0.15		0.25	0.15	ug/Kg			08/07/20 11:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			08/07/20 11:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			08/07/20 11:22	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555803/7
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			08/07/20 11:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			08/07/20 11:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			08/07/20 11:22	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			08/07/20 11:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			08/07/20 11:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			08/07/20 11:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			08/07/20 11:22	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			08/07/20 11:22	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			08/07/20 11:22	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			08/07/20 11:22	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	105		72 - 124		08/07/20 11:22	1
Dibromofluoromethane (Surr)	94		75 - 120		08/07/20 11:22	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		08/07/20 11:22	1
Toluene-d8 (Surr)	99		75 - 120		08/07/20 11:22	1

Lab Sample ID: LCS 500-555803/5
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	42.5		ug/Kg		85	70 - 122
Bromochloromethane	50.0	51.8		ug/Kg		104	65 - 122
Bromodichloromethane	50.0	45.4		ug/Kg		91	69 - 120
Bromoform	50.0	41.8		ug/Kg		84	56 - 132
Bromomethane	50.0	45.3		ug/Kg		91	40 - 152
Carbon tetrachloride	50.0	49.2		ug/Kg		98	59 - 133
Chlorobenzene	50.0	46.4		ug/Kg		93	70 - 120
Chloroethane	50.0	46.9		ug/Kg		94	48 - 136
Chloroform	50.0	47.7		ug/Kg		95	70 - 120
Chloromethane	50.0	47.0		ug/Kg		94	56 - 152
2-Chlorotoluene	50.0	46.2		ug/Kg		92	70 - 125
4-Chlorotoluene	50.0	43.9		ug/Kg		88	68 - 124
cis-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	70 - 125
cis-1,3-Dichloropropene	50.0	44.9		ug/Kg		90	64 - 127
Dibromochloromethane	50.0	46.8		ug/Kg		94	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	32.4		ug/Kg		65	56 - 123
1,2-Dibromoethane	50.0	46.4		ug/Kg		93	70 - 125
Dibromomethane	50.0	47.6		ug/Kg		95	70 - 120
1,2-Dichlorobenzene	50.0	45.8		ug/Kg		92	70 - 125
1,3-Dichlorobenzene	50.0	43.8		ug/Kg		88	70 - 125
1,4-Dichlorobenzene	50.0	45.1		ug/Kg		90	70 - 120
Dichlorodifluoromethane	50.0	26.3		ug/Kg		53	40 - 159
1,1-Dichloroethane	50.0	52.6		ug/Kg		105	70 - 125
1,2-Dichloroethane	50.0	47.1		ug/Kg		94	68 - 127
1,1-Dichloroethene	50.0	48.2		ug/Kg		96	67 - 122

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-555803/5
Matrix: Solid
Analysis Batch: 555803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	50.0	52.8		ug/Kg		106	67 - 130
1,3-Dichloropropane	50.0	47.4		ug/Kg		95	62 - 136
2,2-Dichloropropane	50.0	48.6		ug/Kg		97	58 - 139
1,1-Dichloropropene	50.0	50.4		ug/Kg		101	70 - 121
Ethylbenzene	50.0	49.4		ug/Kg		99	70 - 123
Hexachlorobutadiene	50.0	41.8		ug/Kg		84	51 - 150
Isopropylbenzene	50.0	47.0		ug/Kg		94	70 - 126
Methylene Chloride	50.0	48.6		ug/Kg		97	69 - 125
Methyl tert-butyl ether	50.0	40.0		ug/Kg		80	55 - 123
Naphthalene	50.0	38.2		ug/Kg		76	53 - 144
n-Butylbenzene	50.0	46.3		ug/Kg		93	68 - 125
N-Propylbenzene	50.0	47.9		ug/Kg		96	69 - 127
p-Isopropyltoluene	50.0	46.9		ug/Kg		94	70 - 125
sec-Butylbenzene	50.0	49.0		ug/Kg		98	70 - 123
Styrene	50.0	48.3		ug/Kg		97	70 - 120
tert-Butylbenzene	50.0	46.7		ug/Kg		93	70 - 121
1,1,1,2-Tetrachloroethane	50.0	45.5		ug/Kg		91	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.3		ug/Kg		85	62 - 140
Tetrachloroethene	50.0	51.2		ug/Kg		102	70 - 128
Toluene	50.0	47.2		ug/Kg		94	70 - 125
trans-1,2-Dichloroethene	50.0	51.2		ug/Kg		102	70 - 125
trans-1,3-Dichloropropene	50.0	40.2		ug/Kg		80	62 - 128
1,2,3-Trichlorobenzene	50.0	38.0		ug/Kg		76	51 - 145
1,2,4-Trichlorobenzene	50.0	39.8		ug/Kg		80	57 - 137
1,1,1-Trichloroethane	50.0	50.5		ug/Kg		101	70 - 125
1,1,2-Trichloroethane	50.0	45.4		ug/Kg		91	71 - 130
Trichloroethene	50.0	48.4		ug/Kg		97	70 - 125
Trichlorofluoromethane	50.0	39.5		ug/Kg		79	55 - 128
1,2,3-Trichloropropane	50.0	40.8		ug/Kg		82	50 - 133
1,2,4-Trimethylbenzene	50.0	46.5		ug/Kg		93	70 - 123
1,3,5-Trimethylbenzene	50.0	45.7		ug/Kg		91	70 - 123
Vinyl chloride	50.0	45.4		ug/Kg		91	64 - 126
Xylenes, Total	100	94.0		ug/Kg		94	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
1,2-Dichloroethane-d4 (Surr)	103		75 - 126
Toluene-d8 (Surr)	107		75 - 120

Lab Sample ID: MB 500-555810/7
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/07/20 11:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/07/20 11:48	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555810/7
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/07/20 11:48	1
Bromoform	<0.48		1.0	0.48	ug/L			08/07/20 11:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/07/20 11:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/07/20 11:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/07/20 11:48	1
Chloroform	<0.37		2.0	0.37	ug/L			08/07/20 11:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/07/20 11:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/07/20 11:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/07/20 11:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/07/20 11:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/07/20 11:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/07/20 11:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/07/20 11:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/07/20 11:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/07/20 11:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/07/20 11:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/07/20 11:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/07/20 11:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/07/20 11:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/07/20 11:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/07/20 11:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/07/20 11:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/07/20 11:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/07/20 11:48	1
Methylene Chloride	2.34	J	5.0	1.6	ug/L			08/07/20 11:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/07/20 11:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/07/20 11:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 11:48	1
Styrene	<0.39		1.0	0.39	ug/L			08/07/20 11:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/07/20 11:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/07/20 11:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/07/20 11:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/07/20 11:48	1
Toluene	<0.15		0.50	0.15	ug/L			08/07/20 11:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/07/20 11:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/07/20 11:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/07/20 11:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/07/20 11:48	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555810/7
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/07/20 11:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/07/20 11:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/07/20 11:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/07/20 11:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/07/20 11:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/07/20 11:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/07/20 11:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/07/20 11:48	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	95		72 - 124		08/07/20 11:48	1
Dibromofluoromethane (Surr)	97		75 - 120		08/07/20 11:48	1
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		08/07/20 11:48	1
Toluene-d8 (Surr)	99		75 - 120		08/07/20 11:48	1

Lab Sample ID: LCS 500-555810/5
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	50.0	44.1		ug/L		88	70 - 120
Bromobenzene	50.0	45.4		ug/L		91	70 - 122
Bromochloromethane	50.0	46.4		ug/L		93	65 - 122
Bromodichloromethane	50.0	41.8		ug/L		84	69 - 120
Bromoform	50.0	42.3		ug/L		85	56 - 132
Bromomethane	50.0	49.1		ug/L		98	40 - 152
Carbon tetrachloride	50.0	46.4		ug/L		93	59 - 133
Chlorobenzene	50.0	44.6		ug/L		89	70 - 120
Chloroethane	50.0	49.6		ug/L		99	48 - 136
Chloroform	50.0	41.9		ug/L		84	70 - 120
Chloromethane	50.0	39.8		ug/L		80	56 - 152
2-Chlorotoluene	50.0	42.8		ug/L		86	70 - 125
4-Chlorotoluene	50.0	42.4		ug/L		85	68 - 124
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	70 - 125
cis-1,3-Dichloropropene	50.0	42.0		ug/L		84	64 - 127
Dibromochloromethane	50.0	43.3		ug/L		87	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	33.9		ug/L		68	56 - 123
1,2-Dibromoethane	50.0	44.5		ug/L		89	70 - 125
Dibromomethane	50.0	44.1		ug/L		88	70 - 120
1,2-Dichlorobenzene	50.0	43.5		ug/L		87	70 - 125
1,3-Dichlorobenzene	50.0	43.8		ug/L		88	70 - 125
1,4-Dichlorobenzene	50.0	43.3		ug/L		87	70 - 120
Dichlorodifluoromethane	50.0	33.9		ug/L		68	40 - 159
1,1-Dichloroethane	50.0	50.5		ug/L		101	70 - 125
1,2-Dichloroethane	50.0	47.8		ug/L		96	68 - 127
1,1-Dichloroethene	50.0	45.3		ug/L		91	67 - 122
1,2-Dichloropropane	50.0	52.7		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	42.9		ug/L		86	62 - 136

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-555810/5
Matrix: Water
Analysis Batch: 555810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	44.4		ug/L		89	58 - 139
1,1-Dichloropropene	50.0	44.5		ug/L		89	70 - 121
Ethylbenzene	50.0	44.4		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	43.6		ug/L		87	51 - 150
Isopropylbenzene	50.0	44.4		ug/L		89	70 - 126
Methylene Chloride	50.0	46.1		ug/L		92	69 - 125
Methyl tert-butyl ether	50.0	35.9		ug/L		72	55 - 123
Naphthalene	50.0	46.3		ug/L		93	53 - 144
n-Butylbenzene	50.0	40.8		ug/L		82	68 - 125
N-Propylbenzene	50.0	43.2		ug/L		86	69 - 127
p-Isopropyltoluene	50.0	42.2		ug/L		84	70 - 125
sec-Butylbenzene	50.0	42.0		ug/L		84	70 - 123
Styrene	50.0	43.3		ug/L		87	70 - 120
tert-Butylbenzene	50.0	43.0		ug/L		86	70 - 121
1,1,1,2-Tetrachloroethane	50.0	44.3		ug/L		89	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.2		ug/L		84	62 - 140
Tetrachloroethene	50.0	47.7		ug/L		95	70 - 128
Toluene	50.0	44.9		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	44.3		ug/L		89	70 - 125
trans-1,3-Dichloropropene	50.0	41.4		ug/L		83	62 - 128
1,2,3-Trichlorobenzene	50.0	52.9		ug/L		106	51 - 145
1,2,4-Trichlorobenzene	50.0	45.6		ug/L		91	57 - 137
1,1,1-Trichloroethane	50.0	44.7		ug/L		89	70 - 125
1,1,2-Trichloroethane	50.0	45.7		ug/L		91	71 - 130
Trichloroethene	50.0	47.4		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	43.0		ug/L		86	55 - 128
1,2,3-Trichloropropane	50.0	44.6		ug/L		89	50 - 133
1,2,4-Trimethylbenzene	50.0	42.4		ug/L		85	70 - 123
1,3,5-Trimethylbenzene	50.0	42.6		ug/L		85	70 - 123
Vinyl chloride	50.0	47.7		ug/L		95	64 - 126
Xylenes, Total	100	87.0		ug/L		87	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	102		75 - 120
1,2-Dichloroethane-d4 (Surr)	105		75 - 126
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: 500-185839-7 MS
Matrix: Water
Analysis Batch: 555810

Client Sample ID: TW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	45.3		ug/L		91	70 - 120
Bromobenzene	<0.36		50.0	46.3		ug/L		93	70 - 122
Bromochloromethane	<0.43		50.0	47.9		ug/L		96	65 - 122
Bromodichloromethane	<0.37		50.0	42.5		ug/L		85	69 - 120
Bromoform	<0.48		50.0	42.1		ug/L		84	56 - 132

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-185839-7 MS

Matrix: Water

Analysis Batch: 555810

Client Sample ID: TW-4

Prep Type: Total/NA

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS Qualifier	Unit	D	%Rec	%Rec.
	Result			Result				Limits	
Bromomethane	<0.80		50.0	55.3		ug/L		111	40 - 152
Carbon tetrachloride	<0.38		50.0	45.9		ug/L		92	59 - 133
Chlorobenzene	<0.39		50.0	44.9		ug/L		90	70 - 120
Chloroethane	<0.51		50.0	57.4		ug/L		115	48 - 136
Chloroform	<0.37		50.0	42.4		ug/L		85	70 - 120
Chloromethane	<0.32		50.0	45.9		ug/L		92	56 - 152
2-Chlorotoluene	<0.31		50.0	43.6		ug/L		87	70 - 125
4-Chlorotoluene	<0.35		50.0	43.7		ug/L		87	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	46.1		ug/L		92	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	42.2		ug/L		84	64 - 127
Dibromochloromethane	<0.49		50.0	43.4		ug/L		87	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0 *		50.0	34.7 *		ug/L		69	56 - 123
1,2-Dibromoethane	<0.39		50.0	45.7		ug/L		91	70 - 125
Dibromomethane	<0.27		50.0	46.2		ug/L		92	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	46.0		ug/L		92	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	45.3		ug/L		91	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	45.0		ug/L		90	70 - 120
Dichlorodifluoromethane	<0.67		50.0	39.0		ug/L		78	40 - 159
1,1-Dichloroethane	<0.41		50.0	51.5		ug/L		103	70 - 125
1,2-Dichloroethane	<0.39		50.0	48.5		ug/L		97	68 - 127
1,1-Dichloroethene	<0.39		50.0	44.7		ug/L		89	67 - 122
1,2-Dichloropropane	<0.43		50.0	54.5		ug/L		109	67 - 130
1,3-Dichloropropane	<0.36		50.0	43.4		ug/L		87	62 - 136
2,2-Dichloropropane	<0.44		50.0	43.5		ug/L		87	58 - 139
1,1-Dichloropropene	<0.30		50.0	44.9		ug/L		90	70 - 121
Ethylbenzene	<0.18		50.0	44.8		ug/L		90	70 - 123
Hexachlorobutadiene	<0.45		50.0	44.8		ug/L		90	51 - 150
Isopropylbenzene	<0.39		50.0	45.2		ug/L		90	70 - 126
Methylene Chloride	<1.6		50.0	45.4		ug/L		91	69 - 125
Methyl tert-butyl ether	<0.39		50.0	37.3		ug/L		75	55 - 123
Naphthalene	<0.34		50.0	51.7		ug/L		103	53 - 144
n-Butylbenzene	<0.39		50.0	41.5		ug/L		83	68 - 125
N-Propylbenzene	<0.41		50.0	44.0		ug/L		88	69 - 127
p-Isopropyltoluene	<0.36		50.0	43.3		ug/L		87	70 - 125
sec-Butylbenzene	<0.40		50.0	43.0		ug/L		86	70 - 123
Styrene	<0.39		50.0	44.2		ug/L		88	70 - 120
tert-Butylbenzene	<0.40		50.0	43.7		ug/L		87	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	45.0		ug/L		90	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	45.6		ug/L		91	62 - 140
Tetrachloroethene	<0.37		50.0	47.0		ug/L		94	70 - 128
Toluene	0.33 J		50.0	45.6		ug/L		91	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	45.2		ug/L		90	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	41.6		ug/L		83	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	57.5		ug/L		115	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	47.6		ug/L		95	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	45.5		ug/L		91	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	45.6		ug/L		91	71 - 130
Trichloroethene	<0.16		50.0	47.6		ug/L		95	70 - 125
Trichlorofluoromethane	<0.43		50.0	49.8		ug/L		100	55 - 128

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-185839-7 MS

Matrix: Water

Analysis Batch: 555810

Client Sample ID: TW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	<0.41		50.0	46.6		ug/L		93	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	43.7		ug/L		87	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	44.1		ug/L		88	70 - 123
Vinyl chloride	<0.20		50.0	55.8		ug/L		112	64 - 126
Xylenes, Total	<0.22		100	87.9		ug/L		88	70 - 125

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	94		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
1,2-Dichloroethane-d4 (Surr)	105		75 - 126
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: 500-185839-7 MSD

Matrix: Water

Analysis Batch: 555810

Client Sample ID: TW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	44.9		ug/L		90	70 - 120	1	20
Bromobenzene	<0.36		50.0	45.4		ug/L		91	70 - 122	2	20
Bromochloromethane	<0.43		50.0	47.8		ug/L		96	65 - 122	0	20
Bromodichloromethane	<0.37		50.0	42.5		ug/L		85	69 - 120	0	20
Bromoform	<0.48		50.0	41.6		ug/L		83	56 - 132	1	20
Bromomethane	<0.80		50.0	49.1		ug/L		98	40 - 152	12	20
Carbon tetrachloride	<0.38		50.0	45.6		ug/L		91	59 - 133	1	20
Chlorobenzene	<0.39		50.0	44.6		ug/L		89	70 - 120	1	20
Chloroethane	<0.51		50.0	50.6		ug/L		101	48 - 136	12	20
Chloroform	<0.37		50.0	42.0		ug/L		84	70 - 120	1	20
Chloromethane	<0.32		50.0	40.8		ug/L		82	56 - 152	12	20
2-Chlorotoluene	<0.31		50.0	42.6		ug/L		85	70 - 125	2	20
4-Chlorotoluene	<0.35		50.0	42.3		ug/L		85	68 - 124	3	20
cis-1,2-Dichloroethene	<0.41		50.0	45.2		ug/L		90	70 - 125	2	20
cis-1,3-Dichloropropene	<0.42		50.0	42.3		ug/L		85	64 - 127	0	20
Dibromochloromethane	<0.49		50.0	43.2		ug/L		86	68 - 125	1	20
1,2-Dibromo-3-Chloropropane	<2.0 *		50.0	34.2 *		ug/L		68	56 - 123	2	20
1,2-Dibromoethane	<0.39		50.0	44.8		ug/L		90	70 - 125	2	20
Dibromomethane	<0.27		50.0	46.1		ug/L		92	70 - 120	0	20
1,2-Dichlorobenzene	<0.33		50.0	44.6		ug/L		89	70 - 125	3	20
1,3-Dichlorobenzene	<0.40		50.0	45.1		ug/L		90	70 - 125	0	20
1,4-Dichlorobenzene	<0.36		50.0	43.8		ug/L		88	70 - 120	3	20
Dichlorodifluoromethane	<0.67		50.0	35.4		ug/L		71	40 - 159	10	20
1,1-Dichloroethane	<0.41		50.0	51.6		ug/L		103	70 - 125	0	20
1,2-Dichloroethane	<0.39		50.0	48.1		ug/L		96	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	45.8		ug/L		92	67 - 122	2	20
1,2-Dichloropropane	<0.43		50.0	53.5		ug/L		107	67 - 130	2	20
1,3-Dichloropropane	<0.36		50.0	42.2		ug/L		84	62 - 136	3	20
2,2-Dichloropropane	<0.44		50.0	43.2		ug/L		86	58 - 139	1	20
1,1-Dichloropropene	<0.30		50.0	44.9		ug/L		90	70 - 121	0	20
Ethylbenzene	<0.18		50.0	44.5		ug/L		89	70 - 123	1	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-185839-7 MSD
Matrix: Water
Analysis Batch: 555810

Client Sample ID: TW-4
Prep Type: Total/NA

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result			Result	Qualifier				Limits		Limit
Hexachlorobutadiene	<0.45		50.0	42.0		ug/L		84	51 - 150	6	20
Isopropylbenzene	<0.39		50.0	44.6		ug/L		89	70 - 126	1	20
Methylene Chloride	<1.6		50.0	45.6		ug/L		91	69 - 125	0	20
Methyl tert-butyl ether	<0.39		50.0	37.9		ug/L		76	55 - 123	1	20
Naphthalene	<0.34		50.0	48.9		ug/L		98	53 - 144	6	20
n-Butylbenzene	<0.39		50.0	40.4		ug/L		81	68 - 125	3	20
N-Propylbenzene	<0.41		50.0	43.2		ug/L		86	69 - 127	2	20
p-Isopropyltoluene	<0.36		50.0	41.7		ug/L		83	70 - 125	4	20
sec-Butylbenzene	<0.40		50.0	41.9		ug/L		84	70 - 123	3	20
Styrene	<0.39		50.0	43.2		ug/L		86	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	42.6		ug/L		85	70 - 121	3	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	44.6		ug/L		89	70 - 125	1	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	44.2		ug/L		88	62 - 140	3	20
Tetrachloroethene	<0.37		50.0	46.1		ug/L		92	70 - 128	2	20
Toluene	0.33	J	50.0	44.7		ug/L		89	70 - 125	2	20
trans-1,2-Dichloroethene	<0.35		50.0	44.8		ug/L		90	70 - 125	1	20
trans-1,3-Dichloropropene	<0.36		50.0	40.3		ug/L		81	62 - 128	3	20
1,2,3-Trichlorobenzene	<0.46		50.0	53.2		ug/L		106	51 - 145	8	20
1,2,4-Trichlorobenzene	<0.34		50.0	44.9		ug/L		90	57 - 137	6	20
1,1,1-Trichloroethane	<0.38		50.0	45.4		ug/L		91	70 - 125	0	20
1,1,2-Trichloroethane	<0.35		50.0	45.3		ug/L		91	71 - 130	1	20
Trichloroethene	<0.16		50.0	47.5		ug/L		95	70 - 125	0	20
Trichlorofluoromethane	<0.43		50.0	43.8		ug/L		88	55 - 128	13	20
1,2,3-Trichloropropane	<0.41		50.0	45.4		ug/L		91	50 - 133	3	20
1,2,4-Trimethylbenzene	<0.36		50.0	42.6		ug/L		85	70 - 123	3	20
1,3,5-Trimethylbenzene	<0.25		50.0	42.9		ug/L		86	70 - 123	3	20
Vinyl chloride	<0.20		50.0	50.0		ug/L		100	64 - 126	11	20
Xylenes, Total	<0.22		100	86.0		ug/L		86	70 - 125	2	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	103		75 - 120
1,2-Dichloroethane-d4 (Surr)	106		75 - 126
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: MB 500-556034/6
Matrix: Solid
Analysis Batch: 556034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.25	0.15	ug/Kg			08/10/20 10:34	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			08/10/20 10:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			08/10/20 10:34	1
Bromoform	<0.48		1.0	0.48	ug/Kg			08/10/20 10:34	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			08/10/20 10:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			08/10/20 10:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-556034/6
Matrix: Solid
Analysis Batch: 556034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloroethane	<0.50		1.0	0.50	ug/Kg			08/10/20 10:34	1
Chloroform	<0.37		2.0	0.37	ug/Kg			08/10/20 10:34	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			08/10/20 10:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			08/10/20 10:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			08/10/20 10:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			08/10/20 10:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			08/10/20 10:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			08/10/20 10:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			08/10/20 10:34	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			08/10/20 10:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			08/10/20 10:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			08/10/20 10:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			08/10/20 10:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			08/10/20 10:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			08/10/20 10:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			08/10/20 10:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			08/10/20 10:34	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			08/10/20 10:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			08/10/20 10:34	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			08/10/20 10:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			08/10/20 10:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			08/10/20 10:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			08/10/20 10:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			08/10/20 10:34	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			08/10/20 10:34	1
Styrene	<0.39		1.0	0.39	ug/Kg			08/10/20 10:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			08/10/20 10:34	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			08/10/20 10:34	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			08/10/20 10:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			08/10/20 10:34	1
Toluene	<0.15		0.25	0.15	ug/Kg			08/10/20 10:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			08/10/20 10:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			08/10/20 10:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			08/10/20 10:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			08/10/20 10:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			08/10/20 10:34	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			08/10/20 10:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			08/10/20 10:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			08/10/20 10:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			08/10/20 10:34	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-556034/6
Matrix: Solid
Analysis Batch: 556034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			08/10/20 10:34	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			08/10/20 10:34	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			08/10/20 10:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		08/10/20 10:34	1
Dibromofluoromethane (Surr)	94		75 - 120		08/10/20 10:34	1
1,2-Dichloroethane-d4 (Surr)	113		75 - 126		08/10/20 10:34	1
Toluene-d8 (Surr)	92		75 - 120		08/10/20 10:34	1

Lab Sample ID: MB 500-556582/6
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Carbon tetrachloride	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Chlorobenzene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Methyl Ethyl Ketone	<0.0025		0.0050	0.0025	mg/L			08/13/20 11:56	1
Chloroform	<0.0010		0.0020	0.0010	mg/L			08/13/20 11:56	1
1,2-Dichloroethane	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
1,1-Dichloroethene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Tetrachloroethene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Trichloroethene	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1
Vinyl chloride	<0.00050		0.0010	0.00050	mg/L			08/13/20 11:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		72 - 124		08/13/20 11:56	1
Dibromofluoromethane (Surr)	93		75 - 120		08/13/20 11:56	1
1,2-Dichloroethane-d4 (Surr)	108		75 - 126		08/13/20 11:56	1
Toluene-d8 (Surr)	95		75 - 120		08/13/20 11:56	1

Lab Sample ID: LCS 500-556582/4
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0497		mg/L		99	70 - 120
Carbon tetrachloride	0.0500	0.0531		mg/L		106	59 - 133
Chlorobenzene	0.0500	0.0501		mg/L		100	70 - 120
Methyl Ethyl Ketone	0.0500	0.0475		mg/L		95	46 - 144
Chloroform	0.0500	0.0486		mg/L		97	70 - 120
1,2-Dichloroethane	0.0500	0.0584		mg/L		117	68 - 127
1,1-Dichloroethene	0.0500	0.0465		mg/L		93	67 - 122
Tetrachloroethene	0.0500	0.0558		mg/L		112	70 - 128
Trichloroethene	0.0500	0.0520		mg/L		104	70 - 125
Vinyl chloride	0.0500	0.0498		mg/L		100	64 - 126

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-556582/4
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
Toluene-d8 (Surr)	96		75 - 120

Lab Sample ID: LB 500-556491/1-A
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			08/13/20 12:24	20
Chloroform	<0.020		0.040	0.020	mg/L			08/13/20 12:24	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Trichloroethene	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			08/13/20 12:24	20

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	92		72 - 124		08/13/20 12:24	20
Dibromofluoromethane (Surr)	91		75 - 120		08/13/20 12:24	20
1,2-Dichloroethane-d4 (Surr)	106		75 - 126		08/13/20 12:24	20
Toluene-d8 (Surr)	94		75 - 120		08/13/20 12:24	20

Lab Sample ID: 500-185839-10 MS
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: WASTE-1
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzene	<0.010		1.00	1.01		mg/L		101	70 - 120
Carbon tetrachloride	<0.010		1.00	1.05		mg/L		105	59 - 133
Chlorobenzene	<0.010		1.00	1.00		mg/L		100	70 - 120
Methyl Ethyl Ketone	<0.050		1.00	0.790		mg/L		79	46 - 144
Chloroform	<0.020		1.00	1.02		mg/L		102	70 - 120
1,2-Dichloroethane	<0.010		1.00	1.20		mg/L		120	68 - 127
1,1-Dichloroethene	<0.010		1.00	0.931		mg/L		93	67 - 122
Tetrachloroethene	<0.010		1.00	1.06		mg/L		106	70 - 128
Trichloroethene	<0.010		1.00	1.04		mg/L		104	70 - 125
Vinyl chloride	<0.010		1.00	1.02		mg/L		102	64 - 126

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
1,2-Dichloroethane-d4 (Surr)	111		75 - 126
Toluene-d8 (Surr)	95		75 - 120

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 500-185839-10 MSD
Matrix: Solid
Analysis Batch: 556582

Client Sample ID: WASTE-1
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.010		1.00	1.00		mg/L		100	70 - 120	1	20
Carbon tetrachloride	<0.010		1.00	1.04		mg/L		104	59 - 133	1	20
Chlorobenzene	<0.010		1.00	1.00		mg/L		100	70 - 120	0	20
Methyl Ethyl Ketone	<0.050		1.00	0.753		mg/L		75	46 - 144	5	20
Chloroform	<0.020		1.00	1.01		mg/L		101	70 - 120	0	20
1,2-Dichloroethane	<0.010		1.00	1.20		mg/L		120	68 - 127	0	20
1,1-Dichloroethene	<0.010		1.00	0.900		mg/L		90	67 - 122	3	20
Tetrachloroethene	<0.010		1.00	1.07		mg/L		107	70 - 128	1	20
Trichloroethene	<0.010		1.00	1.04		mg/L		104	70 - 125	0	20
Vinyl chloride	<0.010		1.00	0.968		mg/L		97	64 - 126	5	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	87		72 - 124								
Dibromofluoromethane (Surr)	98		75 - 120								
1,2-Dichloroethane-d4 (Surr)	111		75 - 126								
Toluene-d8 (Surr)	95		75 - 120								

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-555581/1-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.80	0.25	ug/L		08/06/20 07:28	08/06/20 20:34	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		08/06/20 07:28	08/06/20 20:34	1
Anthracene	<0.27		0.80	0.27	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzoic acid	<4.6		16	4.6	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzyl alcohol	<4.8		16	4.8	ug/L		08/06/20 07:28	08/06/20 20:34	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		08/06/20 07:28	08/06/20 20:34	1
Bis(2-chloroethoxy)methane	<0.23		1.6	0.23	ug/L		08/06/20 07:28	08/06/20 20:34	1
Bis(2-chloroethyl)ether	<0.23		1.6	0.23	ug/L		08/06/20 07:28	08/06/20 20:34	1
Bis(2-ethylhexyl) phthalate	<1.4		8.0	1.4	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Bromophenyl phenyl ether	<0.43		4.0	0.43	ug/L		08/06/20 07:28	08/06/20 20:34	1
Butyl benzyl phthalate	<0.38		1.6	0.38	ug/L		08/06/20 07:28	08/06/20 20:34	1
Carbazole	<0.28		4.0	0.28	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Chloroaniline	<1.6		8.0	1.6	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Chloro-3-methylphenol	<1.8		8.0	1.8	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Chloronaphthalene	<0.19		1.6	0.19	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Chlorophenol	<0.45		4.0	0.45	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Chlorophenyl phenyl ether	<0.51		4.0	0.51	ug/L		08/06/20 07:28	08/06/20 20:34	1
Chrysene	<0.055		0.16	0.055	ug/L		08/06/20 07:28	08/06/20 20:34	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		08/06/20 07:28	08/06/20 20:34	1
Dibenzofuran	<0.21		1.6	0.21	ug/L		08/06/20 07:28	08/06/20 20:34	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555581/1-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555581

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	<0.20		1.6	0.20	ug/L		08/06/20 07:28	08/06/20 20:34	1
1,3-Dichlorobenzene	<0.17		1.6	0.17	ug/L		08/06/20 07:28	08/06/20 20:34	1
1,4-Dichlorobenzene	<0.17		1.6	0.17	ug/L		08/06/20 07:28	08/06/20 20:34	1
3,3'-Dichlorobenzidine	<1.4		4.0	1.4	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4-Dichlorophenol	<2.1		8.0	2.1	ug/L		08/06/20 07:28	08/06/20 20:34	1
Diethyl phthalate	<0.29		4.0	0.29	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4-Dimethylphenol	<1.4		8.0	1.4	ug/L		08/06/20 07:28	08/06/20 20:34	1
Dimethyl phthalate	<0.25		4.0	0.25	ug/L		08/06/20 07:28	08/06/20 20:34	1
Di-n-butyl phthalate	<0.58		4.0	0.58	ug/L		08/06/20 07:28	08/06/20 20:34	1
4,6-Dinitro-2-methylphenol	<4.7		16	4.7	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4-Dinitrophenol	<6.9		16	6.9	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4-Dinitrotoluene	<0.20		0.80	0.20	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,6-Dinitrotoluene	<0.059		0.80	0.059	ug/L		08/06/20 07:28	08/06/20 20:34	1
Di-n-octyl phthalate	<0.84		8.0	0.84	ug/L		08/06/20 07:28	08/06/20 20:34	1
Fluoranthene	<0.36		0.80	0.36	ug/L		08/06/20 07:28	08/06/20 20:34	1
Fluorene	<0.20		0.80	0.20	ug/L		08/06/20 07:28	08/06/20 20:34	1
Hexachlorobenzene	<0.064		0.40	0.064	ug/L		08/06/20 07:28	08/06/20 20:34	1
Hexachlorobutadiene	<0.41		4.0	0.41	ug/L		08/06/20 07:28	08/06/20 20:34	1
Hexachlorocyclopentadiene	<5.1		16	5.1	ug/L		08/06/20 07:28	08/06/20 20:34	1
Hexachloroethane	<0.48		4.0	0.48	ug/L		08/06/20 07:28	08/06/20 20:34	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		08/06/20 07:28	08/06/20 20:34	1
Isophorone	<0.30		1.6	0.30	ug/L		08/06/20 07:28	08/06/20 20:34	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Methylphenol	<0.24		1.6	0.24	ug/L		08/06/20 07:28	08/06/20 20:34	1
3 & 4 Methylphenol	<0.36		1.6	0.36	ug/L		08/06/20 07:28	08/06/20 20:34	1
Naphthalene	<0.25		0.80	0.25	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Nitroaniline	<1.0		4.0	1.0	ug/L		08/06/20 07:28	08/06/20 20:34	1
3-Nitroaniline	<1.4		8.0	1.4	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Nitroaniline	<1.3		8.0	1.3	ug/L		08/06/20 07:28	08/06/20 20:34	1
Nitrobenzene	<0.36		0.80	0.36	ug/L		08/06/20 07:28	08/06/20 20:34	1
2-Nitrophenol	<2.0		8.0	2.0	ug/L		08/06/20 07:28	08/06/20 20:34	1
4-Nitrophenol	<5.9		16	5.9	ug/L		08/06/20 07:28	08/06/20 20:34	1
N-Nitrosodi-n-propylamine	<0.12		0.40	0.12	ug/L		08/06/20 07:28	08/06/20 20:34	1
N-Nitrosodiphenylamine	<0.30		1.6	0.30	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,2'-oxybis[1-chloropropane]	<0.30		1.6	0.30	ug/L		08/06/20 07:28	08/06/20 20:34	1
Pentachlorophenol	<3.2		16	3.2	ug/L		08/06/20 07:28	08/06/20 20:34	1
Phenanthrene	<0.24		0.80	0.24	ug/L		08/06/20 07:28	08/06/20 20:34	1
Phenol	<0.54		4.0	0.54	ug/L		08/06/20 07:28	08/06/20 20:34	1
Pyrene	<0.34		0.80	0.34	ug/L		08/06/20 07:28	08/06/20 20:34	1
1,2,4-Trichlorobenzene	<0.19		1.6	0.19	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4,5-Trichlorophenol	<2.1		8.0	2.1	ug/L		08/06/20 07:28	08/06/20 20:34	1
2,4,6-Trichlorophenol	<0.57		4.0	0.57	ug/L		08/06/20 07:28	08/06/20 20:34	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	73		34 - 110	08/06/20 07:28	08/06/20 20:34	1
2-Fluorophenol (Surr)	88		27 - 110	08/06/20 07:28	08/06/20 20:34	1
Nitrobenzene-d5 (Surr)	87		36 - 120	08/06/20 07:28	08/06/20 20:34	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-555581/1-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555581

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Phenol-d5 (Surr)	67		20 - 110	08/06/20 07:28	08/06/20 20:34	1
Terphenyl-d14 (Surr)	124		40 - 145	08/06/20 07:28	08/06/20 20:34	1
2,4,6-Tribromophenol (Surr)	92		40 - 145	08/06/20 07:28	08/06/20 20:34	1

Lab Sample ID: LCS 500-555581/2-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	32.0	22.3		ug/L		70	46 - 110
Acenaphthylene	32.0	22.0		ug/L		69	47 - 113
Anthracene	32.0	28.9		ug/L		90	67 - 118
Benzo[a]anthracene	32.0	31.0		ug/L		97	70 - 126
Benzo[a]pyrene	32.0	32.6		ug/L		102	70 - 135
Benzoic acid	64.0	20.8		ug/L		33	10 - 112
Benzo[b]fluoranthene	32.0	35.4		ug/L		111	69 - 136
Benzo[g,h,i]perylene	32.0	33.4		ug/L		105	70 - 135
Benzyl alcohol	32.0	27.1		ug/L		85	46 - 132
Benzo[k]fluoranthene	32.0	35.2		ug/L		110	70 - 133
Bis(2-chloroethoxy)methane	32.0	27.5		ug/L		86	59 - 118
Bis(2-chloroethyl)ether	32.0	25.3		ug/L		79	54 - 112
Bis(2-ethylhexyl) phthalate	32.0	32.9		ug/L		103	69 - 136
4-Bromophenyl phenyl ether	32.0	24.7		ug/L		77	58 - 120
Butyl benzyl phthalate	32.0	32.4		ug/L		101	68 - 135
Carbazole	32.0	30.2		ug/L		94	61 - 145
4-Chloroaniline	32.0	23.9		ug/L		75	35 - 128
4-Chloro-3-methylphenol	32.0	27.9		ug/L		87	64 - 128
2-Chloronaphthalene	32.0	19.0		ug/L		59	39 - 110
2-Chlorophenol	32.0	24.1		ug/L		75	59 - 110
4-Chlorophenyl phenyl ether	32.0	22.0		ug/L		69	48 - 116
Chrysene	32.0	30.2		ug/L		94	68 - 129
Dibenz(a,h)anthracene	32.0	32.7		ug/L		102	70 - 134
Dibenzofuran	32.0	22.6		ug/L		71	51 - 110
1,2-Dichlorobenzene	32.0	15.3		ug/L		48	26 - 110
1,3-Dichlorobenzene	32.0	14.5		ug/L		45	22 - 110
1,4-Dichlorobenzene	32.0	14.7		ug/L		46	23 - 110
3,3'-Dichlorobenzidine	32.0	28.9		ug/L		90	60 - 132
2,4-Dichlorophenol	32.0	26.1		ug/L		81	58 - 120
Diethyl phthalate	32.0	29.0		ug/L		91	62 - 123
2,4-Dimethylphenol	32.0	26.9		ug/L		84	51 - 115
Dimethyl phthalate	32.0	30.3		ug/L		95	63 - 122
Di-n-butyl phthalate	32.0	31.3		ug/L		98	69 - 129
4,6-Dinitro-2-methylphenol	64.0	61.2		ug/L		96	50 - 129
2,4-Dinitrophenol	64.0	56.0		ug/L		87	37 - 130
2,4-Dinitrotoluene	32.0	31.2		ug/L		97	63 - 129
2,6-Dinitrotoluene	32.0	31.1		ug/L		97	63 - 129
Di-n-octyl phthalate	32.0	31.1		ug/L		97	68 - 137
Fluoranthene	32.0	31.2		ug/L		98	68 - 126

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-555581/2-A
Matrix: Water
Analysis Batch: 555728

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	32.0	24.1		ug/L		75	53 - 120
Hexachlorobenzene	32.0	28.1		ug/L		88	61 - 126
Hexachlorobutadiene	32.0	16.0		ug/L		50	20 - 100
Hexachlorocyclopentadiene	32.0	17.4		ug/L		54	10 - 105
Hexachloroethane	32.0	14.2		ug/L		44	20 - 100
Indeno[1,2,3-cd]pyrene	32.0	36.4		ug/L		114	65 - 133
Isophorone	32.0	28.5		ug/L		89	54 - 127
1-Methylnaphthalene	32.0	18.5		ug/L		58	38 - 110
2-Methylnaphthalene	32.0	18.8		ug/L		59	34 - 110
2-Methylphenol	32.0	26.1		ug/L		82	53 - 115
3 & 4 Methylphenol	32.0	25.6		ug/L		80	50 - 116
Naphthalene	32.0	18.0		ug/L		56	36 - 110
2-Nitroaniline	32.0	30.0		ug/L		94	59 - 138
3-Nitroaniline	32.0	23.0		ug/L		72	47 - 123
4-Nitroaniline	32.0	21.5		ug/L		67	35 - 110
Nitrobenzene	32.0	25.3		ug/L		79	54 - 121
2-Nitrophenol	32.0	25.4		ug/L		79	59 - 115
4-Nitrophenol	64.0	40.9		ug/L		64	20 - 110
N-Nitrosodi-n-propylamine	32.0	29.6		ug/L		93	47 - 131
N-Nitrosodiphenylamine	32.0	29.7		ug/L		93	66 - 120
2,2'-oxybis[1-chloropropane]	32.0	23.1		ug/L		72	38 - 140
Pentachlorophenol	64.0	56.2		ug/L		88	42 - 148
Phenanthrene	32.0	28.5		ug/L		89	65 - 120
Phenol	32.0	17.2		ug/L		54	33 - 100
Pyrene	32.0	30.0		ug/L		94	70 - 126
1,2,4-Trichlorobenzene	32.0	15.9		ug/L		50	26 - 110
2,4,5-Trichlorophenol	32.0	27.8		ug/L		87	63 - 124
2,4,6-Trichlorophenol	32.0	27.4		ug/L		86	62 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	82		34 - 110
2-Fluorophenol (Surr)	78		27 - 110
Nitrobenzene-d5 (Surr)	89		36 - 120
Phenol-d5 (Surr)	59		20 - 110
Terphenyl-d14 (Surr)	102		40 - 145
2,4,6-Tribromophenol (Surr)	102		40 - 145

Lab Sample ID: LCS 500-556405/2-A
Matrix: Solid
Analysis Batch: 556515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556405

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1330	1250		ug/Kg		94	65 - 124
Acenaphthylene	1330	1290		ug/Kg		97	68 - 120
Anthracene	1330	1120		ug/Kg		84	70 - 114
Benzo[a]anthracene	1330	1250		ug/Kg		93	67 - 122
Benzo[a]pyrene	1330	1350		ug/Kg		101	65 - 133
Benzo[b]fluoranthene	1330	1340		ug/Kg		101	69 - 129

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-556405/2-A
Matrix: Solid
Analysis Batch: 556515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556405

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	1330	1350		ug/Kg		101	72 - 131
Benzo[k]fluoranthene	1330	1380		ug/Kg		103	68 - 127
Chrysene	1330	1280		ug/Kg		96	63 - 120
Dibenz(a,h)anthracene	1330	1370		ug/Kg		103	64 - 131
Fluoranthene	1330	1140		ug/Kg		86	62 - 120
Fluorene	1330	1250		ug/Kg		94	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1320		ug/Kg		99	68 - 130
1-Methylnaphthalene	1330	1200		ug/Kg		90	68 - 111
2-Methylnaphthalene	1330	1220		ug/Kg		91	69 - 112
Naphthalene	1330	1210		ug/Kg		91	63 - 110
Phenanthrene	1330	1140		ug/Kg		85	62 - 120
Pyrene	1330	1310		ug/Kg		98	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	89		43 - 145
Nitrobenzene-d5 (Surr)	102		37 - 147
Terphenyl-d14 (Surr)	99		42 - 157

Lab Sample ID: MB 500-557881/1-A
Matrix: Solid
Analysis Batch: 557972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 10:11	1
1,4-Dichlorobenzene	<0.0020		0.0020	0.0020	mg/L		08/20/20 19:25	08/21/20 10:11	1
2,4-Dinitrotoluene	<0.0010		0.0010	0.0010	mg/L		08/20/20 19:25	08/21/20 10:11	1
Hexachlorobenzene	<0.00050		0.00050	0.00050	mg/L		08/20/20 19:25	08/21/20 10:11	1
Hexachlorobutadiene	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 10:11	1
Hexachloroethane	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 10:11	1
2-Methylphenol	<0.0020		0.0020	0.0020	mg/L		08/20/20 19:25	08/21/20 10:11	1
3 & 4 Methylphenol	<0.0020		0.0020	0.0020	mg/L		08/20/20 19:25	08/21/20 10:11	1
Nitrobenzene	<0.0010		0.0010	0.0010	mg/L		08/20/20 19:25	08/21/20 10:11	1
Pentachlorophenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 10:11	1
2,4,5-Trichlorophenol	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 10:11	1
2,4,6-Trichlorophenol	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 10:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		34 - 110	08/20/20 19:25	08/21/20 10:11	1
2-Fluorophenol (Surr)	48		27 - 110	08/20/20 19:25	08/21/20 10:11	1
Nitrobenzene-d5 (Surr)	94		36 - 120	08/20/20 19:25	08/21/20 10:11	1
Phenol-d5 (Surr)	21		20 - 100	08/20/20 19:25	08/21/20 10:11	1
Terphenyl-d14 (Surr)	105		40 - 145	08/20/20 19:25	08/21/20 10:11	1
2,4,6-Tribromophenol (Surr)	125		40 - 145	08/20/20 19:25	08/21/20 10:11	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-557881/2-A
Matrix: Solid
Analysis Batch: 557972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Pyridine	0.0800	0.0473		mg/L		59	15 - 110
1,4-Dichlorobenzene	0.0400	0.0306		mg/L		77	23 - 110
2,4-Dinitrotoluene	0.0400	0.0397		mg/L		99	63 - 129
Hexachlorobenzene	0.0400	0.0463		mg/L		116	61 - 126
Hexachlorobutadiene	0.0400	0.0357		mg/L		89	20 - 100
Hexachloroethane	0.0400	0.0292		mg/L		73	20 - 100
2-Methylphenol	0.0400	0.0352		mg/L		88	53 - 115
3 & 4 Methylphenol	0.0400	0.0332		mg/L		83	50 - 116
Nitrobenzene	0.0400	0.0484		mg/L		121	54 - 121
Pentachlorophenol	0.0800	0.0738		mg/L		92	42 - 148
2,4,5-Trichlorophenol	0.0400	0.0371		mg/L		93	63 - 124
2,4,6-Trichlorophenol	0.0400	0.0423		mg/L		106	62 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	99		34 - 110
2-Fluorophenol (Surr)	61		27 - 110
Nitrobenzene-d5 (Surr)	108		36 - 120
Phenol-d5 (Surr)	30		20 - 100
Terphenyl-d14 (Surr)	105		40 - 145
2,4,6-Tribromophenol (Surr)	145		40 - 145

Lab Sample ID: LB 500-556700/1-D
Matrix: Solid
Analysis Batch: 557972

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 557881

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	<0.20		0.20	0.20	mg/L		08/20/20 19:25	08/21/20 09:48	1
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 09:48	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 09:48	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		08/20/20 19:25	08/21/20 09:48	1
Hexachlorobutadiene	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 09:48	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 09:48	1
2-Methylphenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 09:48	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		08/20/20 19:25	08/21/20 09:48	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		08/20/20 19:25	08/21/20 09:48	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		08/20/20 19:25	08/21/20 09:48	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		08/20/20 19:25	08/21/20 09:48	1
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		08/20/20 19:25	08/21/20 09:48	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		34 - 110	08/20/20 19:25	08/21/20 09:48	1
2-Fluorophenol (Surr)	39		27 - 110	08/20/20 19:25	08/21/20 09:48	1
Nitrobenzene-d5 (Surr)	88		36 - 120	08/20/20 19:25	08/21/20 09:48	1
Phenol-d5 (Surr)	25		20 - 100	08/20/20 19:25	08/21/20 09:48	1
Terphenyl-d14 (Surr)	101		40 - 145	08/20/20 19:25	08/21/20 09:48	1
2,4,6-Tribromophenol (Surr)	130		40 - 145	08/20/20 19:25	08/21/20 09:48	1

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QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: WI-GRO - Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: LCS 500-555087/20-A
Matrix: Solid
Analysis Batch: 556337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555087
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
WI Gasoline Range Organics (C5-C10)	20.0	19.9		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 500-555087/21-A
Matrix: Solid
Analysis Batch: 556337

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 555087
%Rec.

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
WI Gasoline Range Organics (C5-C10)	20.0	19.9		mg/Kg		99	80 - 120	0	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-556801/1-A
Matrix: Solid
Analysis Batch: 556980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1221	<7.3		17	7.3	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1232	<7.3		17	7.3	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1242	<5.5		17	5.5	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1248	<6.6		17	6.6	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1254	<3.6		17	3.6	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
PCB-1260	<8.2		17	8.2	ug/Kg		08/14/20 06:37	08/14/20 20:42	1
Polychlorinated biphenyls, Total	<3.2		17	3.2	ug/Kg		08/14/20 06:37	08/14/20 20:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		49 - 129	08/14/20 06:37	08/14/20 20:42	1
DCB Decachlorobiphenyl	116		37 - 121	08/14/20 06:37	08/14/20 20:42	1

Lab Sample ID: LCS 500-556801/2-A
Matrix: Solid
Analysis Batch: 556980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556801
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	167	175		ug/Kg		105	57 - 120
PCB-1260	167	191		ug/Kg		115	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	94		49 - 129
DCB Decachlorobiphenyl	120		37 - 121

Lab Sample ID: 500-185839-10 MS
Matrix: Solid
Analysis Batch: 556980

Client Sample ID: WASTE-1
Prep Type: Total/NA
Prep Batch: 556801
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	<6.6		182	165		ug/Kg	☼	91	57 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 500-185839-10 MS
Matrix: Solid
Analysis Batch: 556980

Client Sample ID: WASTE-1
Prep Type: Total/NA
Prep Batch: 556801

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
PCB-1260	<9.2		182	177		ug/Kg	☒	97	61 - 125	
Surrogate										
	MS %Recovery	MS Qualifier	Limits							
Tetrachloro-m-xylene	83		49 - 129							
DCB Decachlorobiphenyl	183	X	37 - 121							

Lab Sample ID: 500-185839-10 MSD
Matrix: Solid
Analysis Batch: 556980

Client Sample ID: WASTE-1
Prep Type: Total/NA
Prep Batch: 556801

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	<6.6		185	178		ug/Kg	☒	97	57 - 120	8	30
PCB-1260	<9.2		185	193		ug/Kg	☒	104	61 - 125	9	30
Surrogate											
	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	88		49 - 129								
DCB Decachlorobiphenyl	194	X	37 - 121								

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Lab Sample ID: MB 500-555849/1-A
Matrix: Solid
Analysis Batch: 556055

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	<1.6		4.0	1.6	mg/Kg		08/07/20 09:40	08/10/20 08:57	1
Surrogate									
	MB %Recovery	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac		
n-Nonane	81		44 - 148		08/07/20 09:40	08/10/20 08:57	1		

Lab Sample ID: LCS 500-555849/2-A
Matrix: Solid
Analysis Batch: 556055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
WI Diesel Range Organics (C10-C28)	20.0	17.9		mg/Kg		89	70 - 120	
Surrogate								
	LCS %Recovery	LCS Qualifier	Limits					
n-Nonane	75		44 - 148					

Lab Sample ID: LCSD 500-555849/3-A
Matrix: Solid
Analysis Batch: 556055

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 555849

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
WI Diesel Range Organics (C10-C28)	20.0	18.6		mg/Kg		93	70 - 120	4	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC) (Continued)

Lab Sample ID: LCSD 500-555849/3-A
Matrix: Solid
Analysis Batch: 556055

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 555849

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
n-Nonane	77		44 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 500-557085/2-A
Matrix: Solid
Analysis Batch: 557303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557085

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.100	0.108		mg/L		108	80 - 120
Barium	0.500	0.505		mg/L		101	80 - 120
Cadmium	0.0500	0.0516		mg/L		103	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Copper	0.250	0.263		mg/L		105	80 - 120
Lead	0.100	0.0971		mg/L		97	80 - 120
Nickel	0.500	0.523		mg/L		105	80 - 120
Selenium	0.100	0.110		mg/L		110	80 - 120
Silver	0.0500	0.0518		mg/L		104	80 - 120
Zinc	0.500	0.579		mg/L		116	80 - 120

Lab Sample ID: LB 500-556700/1-B
Matrix: Solid
Analysis Batch: 557303

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 557085

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.010		0.050	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Barium	<0.050		0.50	0.050	mg/L		08/17/20 06:00	08/17/20 22:07	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		08/17/20 06:00	08/17/20 22:07	1
Chromium	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Copper	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Lead	<0.0075		0.050	0.0075	mg/L		08/17/20 06:00	08/17/20 22:07	1
Nickel	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Selenium	<0.020		0.050	0.020	mg/L		08/17/20 06:00	08/17/20 22:07	1
Silver	<0.010		0.025	0.010	mg/L		08/17/20 06:00	08/17/20 22:07	1
Zinc	<0.020		0.10	0.020	mg/L		08/17/20 06:00	08/17/20 22:07	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-556536/1-A
Matrix: Solid
Analysis Batch: 556694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556536

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.34		1.0	0.34	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Barium	<0.11		1.0	0.11	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Cadmium	<0.036		0.20	0.036	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Chromium	0.666	J	1.0	0.50	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Lead	<0.23		0.50	0.23	mg/Kg		08/12/20 19:04	08/13/20 08:18	1
Selenium	<0.59		1.0	0.59	mg/Kg		08/12/20 19:04	08/13/20 08:18	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 500-556536/1-A
Matrix: Solid
Analysis Batch: 556694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.13		0.50	0.13	mg/Kg		08/12/20 19:04	08/13/20 08:18	1

Lab Sample ID: LCS 500-556536/2-A
Matrix: Solid
Analysis Batch: 556694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.0	8.85		mg/Kg		89	80 - 120
Barium	200	184		mg/Kg		92	80 - 120
Cadmium	5.00	4.50		mg/Kg		90	80 - 120
Chromium	20.0	19.0		mg/Kg		95	80 - 120
Lead	10.0	9.45		mg/Kg		94	80 - 120
Selenium	10.0	8.04		mg/Kg		80	80 - 120
Silver	5.00	4.63		mg/Kg		93	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-555288/1-A
Matrix: Water
Analysis Batch: 555668

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 555288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		08/04/20 17:41	08/05/20 15:18	1
Barium	<0.73		2.5	0.73	ug/L		08/04/20 17:41	08/05/20 15:18	1
Cadmium	<0.17		0.50	0.17	ug/L		08/04/20 17:41	08/05/20 15:18	1
Chromium	<1.1		5.0	1.1	ug/L		08/04/20 17:41	08/05/20 15:18	1
Lead	<0.19		0.50	0.19	ug/L		08/04/20 17:41	08/05/20 15:18	1
Selenium	<0.98		2.5	0.98	ug/L		08/04/20 17:41	08/05/20 15:18	1
Silver	<0.12		0.50	0.12	ug/L		08/04/20 17:41	08/05/20 15:18	1

Lab Sample ID: LCS 500-555288/2-A
Matrix: Water
Analysis Batch: 555668

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 555288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	90.4		ug/L		90	80 - 120
Barium	500	461		ug/L		92	80 - 120
Cadmium	50.0	46.7		ug/L		93	80 - 120
Chromium	200	185		ug/L		93	80 - 120
Lead	100	94.9		ug/L		95	80 - 120
Selenium	100	93.6		ug/L		94	80 - 120
Silver	50.0	45.9		ug/L		92	80 - 120

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 500-556256/13-A
Matrix: Water
Analysis Batch: 556442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556256
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	2.00	1.92		ug/L		96	80 - 120

Lab Sample ID: MB 500-557189/12-A
Matrix: Solid
Analysis Batch: 557396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557189

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/17/20 10:10	08/18/20 08:28	1

Lab Sample ID: LCS 500-557189/14-A
Matrix: Solid
Analysis Batch: 557396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557189
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00203		mg/L		101	80 - 120

Lab Sample ID: MB 500-555396/1-D
Matrix: Water
Analysis Batch: 556442

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 556256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/11/20 09:45	08/12/20 08:05	1

Lab Sample ID: LB 500-556700/1-C
Matrix: Solid
Analysis Batch: 557396

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 557189

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		08/17/20 10:10	08/18/20 08:30	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-556452/12-A
Matrix: Solid
Analysis Batch: 556665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		08/12/20 13:10	08/13/20 08:11	1

Lab Sample ID: LCS 500-556452/13-A
Matrix: Solid
Analysis Batch: 556665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556452
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.167	0.171		mg/Kg		102	80 - 120

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 500-555817/1-A
Matrix: Water
Analysis Batch: 555820

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 555817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM	<1.3		5.0	1.3	mg/L		08/07/20 08:10	08/07/20 08:16	1

Lab Sample ID: LCS 500-555817/2-A
Matrix: Water
Analysis Batch: 555820

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555817
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
HEM	40.0	31.30		mg/L		78	78 - 114

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 500-556435/1-A
Matrix: Solid
Analysis Batch: 556691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.12		0.24	0.12	mg/Kg		08/12/20 09:45	08/12/20 12:53	1

Lab Sample ID: HLCS 500-556435/2-A
Matrix: Solid
Analysis Batch: 556691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556435
%Rec.

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	12.0	11.0		mg/Kg		92	90 - 110

Lab Sample ID: LCS 500-556435/3-A
Matrix: Solid
Analysis Batch: 556691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556435
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	2.40	2.03		mg/Kg		85	85 - 115

Lab Sample ID: LLCS 500-556435/4-A
Matrix: Solid
Analysis Batch: 556691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556435
%Rec.

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	1.20	1.31		mg/Kg		109	75 - 125

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-556729/1-A
Matrix: Solid
Analysis Batch: 556764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Sulfide	<4.7		10	4.7	mg/Kg		08/13/20 17:25	08/14/20 00:10	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCS 500-556729/2-A
Matrix: Solid
Analysis Batch: 556764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556729
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Sulfide	203	190		mg/Kg		94	80 - 120

Method: 9045C - pH

Lab Sample ID: 500-185839-10 DU
Matrix: Solid
Analysis Batch: 557145

Client Sample ID: WASTE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.3		8.3		SU		0.4	

Method: 9251 - Chlorine, Total

Lab Sample ID: MB 680-629411/1-A
Matrix: Solid
Analysis Batch: 629464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chlorine	<0.020		0.020	0.020	%		08/07/20 12:16	08/07/20 16:25	1

Lab Sample ID: LCS 680-629411/2-A
Matrix: Solid
Analysis Batch: 629464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629411
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Chlorine	0.990	0.949		%		96	70 - 130

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-1 7.5-10

Date Collected: 07/30/20 08:35

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-1 7.5-10

Date Collected: 07/30/20 08:35

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-1

Matrix: Solid

Percent Solids: 68.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 08:35	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 13:55	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		10	556515	08/13/20 04:35	SS	TAL CHI
Total/NA	Prep	3541	DL		556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D	DL	50	556625	08/13/20 18:59	AJD	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:21	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:19	MJG	TAL CHI

Client Sample ID: GP-2 2.5-5

Date Collected: 07/30/20 09:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-2 2.5-5

Date Collected: 07/30/20 09:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-2

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 09:00	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 14:20	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		10	556515	08/13/20 05:01	SS	TAL CHI
Total/NA	Prep	3541	DL		556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D	DL	50	556625	08/13/20 19:23	AJD	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:25	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:32	MJG	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-3 5-7.5

Date Collected: 07/30/20 09:15

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-3 5-7.5

Date Collected: 07/30/20 09:15

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-3

Matrix: Solid

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 09:15	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 14:45	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		1	556515	08/12/20 21:39	SS	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:29	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:34	MJG	TAL CHI

Client Sample ID: GP-4 7.5-10

Date Collected: 07/30/20 09:45

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-4 7.5-10

Date Collected: 07/30/20 09:45

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-4

Matrix: Solid

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 09:45	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 15:35	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		1	556515	08/12/20 22:05	SS	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:33	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:36	MJG	TAL CHI

Client Sample ID: GP-5 2.5-5

Date Collected: 07/30/20 10:15

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: GP-5 2.5-5

Lab Sample ID: 500-185839-5

Date Collected: 07/30/20 10:15

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	WI GRO			555087	07/30/20 10:15	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 16:01	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		1	556515	08/12/20 22:31	SS	TAL CHI
Total/NA	Prep	WI GRO			555087	07/30/20 10:15	EMA	TAL CHI
Total/NA	Analysis	WI-GRO		50	556337	08/12/20 22:39	WRE	TAL CHI
Total/NA	Prep	WI DRO PREP			555849	08/07/20 09:40	DAK	TAL CHI
Total/NA	Analysis	WI-DRO		1	556055	08/10/20 10:42	JBK	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:37	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:38	MJG	TAL CHI

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI

Client Sample ID: GP-6 2.5-5

Lab Sample ID: 500-185839-6

Date Collected: 07/30/20 10:30

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 10:30	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 16:26	STW	TAL CHI
Total/NA	Prep	3541			556405	08/12/20 07:29	BSO	TAL CHI
Total/NA	Analysis	8270D		1	556515	08/12/20 22:58	SS	TAL CHI
Total/NA	Prep	3050B			556536	08/12/20 19:04	BDE	TAL CHI
Total/NA	Analysis	6010C		1	556694	08/13/20 09:41	JEF	TAL CHI
Total/NA	Prep	7471B			556452	08/12/20 13:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	556665	08/13/20 08:40	MJG	TAL CHI

Client Sample ID: TW-4

Lab Sample ID: 500-185839-7

Date Collected: 07/30/20 10:40

Matrix: Water

Date Received: 08/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	555810	08/07/20 13:30	STW	TAL CHI
Total/NA	Prep	3510C			555581	08/06/20 07:28	DAK	TAL CHI
Total/NA	Analysis	8270D		1	555728	08/07/20 03:23	NRJ	TAL CHI
Dissolved	Prep	3005A			555288	08/04/20 17:41	BDE	TAL CHI
Dissolved	Analysis	6020A		1	555668	08/05/20 16:47	FXG	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: TW-4

Date Collected: 07/30/20 10:40

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			556256	08/11/20 09:45	MJG	TAL CHI
Dissolved	Analysis	7470A		1	556442	08/12/20 08:24	MJG	TAL CHI
Total/NA	Prep	1664B			555817	08/07/20 08:10	TMS	TAL CHI
Total/NA	Analysis	1664B		1	555820	08/07/20 08:16	TMS	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 07/30/20 00:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			555087	07/30/20 12:00	EMA	TAL CHI
Total/NA	Analysis	8260B		50	555803	08/07/20 12:38	STW	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 07/30/20 00:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	555810	08/07/20 13:05	STW	TAL CHI

Client Sample ID: WASTE-1

Date Collected: 07/30/20 11:00

Date Received: 08/01/20 10:00

Lab Sample ID: 500-185839-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			556491	08/12/20 13:50	JLC	TAL CHI
TCLP	Analysis	8260B		20	556582	08/13/20 20:06	STW	TAL CHI
TCLP	Leach	1311			556700	08/13/20 12:32	JLC	TAL CHI
TCLP	Prep	3510C			557881	08/20/20 19:25	ACK	TAL CHI
TCLP	Analysis	8270D		1	557995	08/21/20 11:53	AJD	TAL CHI
TCLP	Leach	1311			556700	08/13/20 12:32	JLC	TAL CHI
TCLP	Prep	3010A			557085	08/17/20 06:00	LMN	TAL CHI
TCLP	Analysis	6010B		1	557303	08/18/20 00:22	EEN	TAL CHI
TCLP	Leach	1311			556700	08/13/20 12:32	JLC	TAL CHI
TCLP	Prep	7470A			557189	08/17/20 10:10	MJG	TAL CHI
TCLP	Analysis	7470A		1	557396	08/18/20 09:11	MJG	TAL CHI
Total/NA	Analysis	1010A		1	556772	(Start) 08/13/20 20:00 (End) 08/13/20 21:05	SJP	TAL CHI
Total/NA	Prep	9010C			556435	08/12/20 09:45	MS	TAL CHI
Total/NA	Analysis	9012B		1	556691	(Start) 08/12/20 15:51 (End) 08/12/20 15:58	MS	TAL CHI
Total/NA	Prep	9030B			556729	08/13/20 17:25	SJP	TAL CHI
Total/NA	Analysis	9034		1	556764	08/14/20 00:13	SJP	TAL CHI
Total/NA	Analysis	9045C		1	557145	08/14/20 17:21	SMO	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9095B		1	556770		SJP	TAL CHI
Total/NA	Analysis	Moisture		1	556623	08/13/20 09:06	LWN	TAL CHI
Total/NA	Analysis	SM 2710F		1	556942	08/14/20 16:22	PFK	TAL CHI

Client Sample ID: WASTE-1

Lab Sample ID: 500-185839-10

Date Collected: 07/30/20 11:00

Matrix: Solid

Date Received: 08/01/20 10:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			556801	08/14/20 06:37	DAK	TAL CHI
Total/NA	Analysis	8082A		1	556980	08/14/20 21:13	SS	TAL CHI
Total/NA	Prep	5050			629411	08/07/20 12:16	SM	TAL SAV
Total/NA	Analysis	9251		1	629464	08/07/20 16:25	SM	TAL SAV

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Laboratory: Eurofins TestAmerica, Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-21
Alaska	State	GA00006	06-30-21
Alaska (UST)	State	17-016	09-30-20
ANAB	Dept. of Defense ELAP	L2463	09-22-22
ANAB	ISO/IEC 17025	L2463.01	09-22-22
Arizona	State	AZ0808	12-14-20
Arkansas DEQ	State	19-015-0	02-02-21
California	State	2939	06-30-21
Colorado	State	GA00006	12-31-20
Connecticut	State	PH-0161	03-31-21
Florida	NELAP	E87052	06-30-21
Georgia	State	E87052	06-30-21
Georgia (DW)	State	803	06-30-21
Guam	State	19-007R	04-17-21
Hawaii	State	<cert No.>	06-30-21
Illinois	NELAP	200022	11-30-20
Indiana	State	C-GA-02	06-30-21
Iowa	State	353	06-30-21
Kansas	NELAP	E-10322	10-15-20
Kentucky (DW)	State	KY90084	12-31-21
Kentucky (UST)	State	<cert No.>	06-30-21
Kentucky (WW)	State	KY90084	12-31-20
Louisiana	NELAP	02011	06-30-21
Louisiana (DW)	State	LA009	12-31-20
Maine	State	GA00006	09-26-20
Maryland	State	250	12-31-20
Massachusetts	State	M-GA006	06-30-21
Michigan	State	9925	06-30-21
Mississippi	State	<cert No.>	06-30-21
Nebraska	State	NE-OS-7-04	06-30-21
New Jersey	NELAP	GA769	06-30-21
New Mexico	State	GA00006	06-30-21
New York	NELAP	10842	04-01-21
North Carolina (DW)	State	13701	07-31-21
North Carolina (WW/SW)	State	269	12-31-20
Oklahoma	State	9984	08-31-20
Pennsylvania	NELAP	68-00474	06-30-21
Puerto Rico	State	GA00006	01-01-21
South Carolina	State	98001	06-30-21
Tennessee	State	02961	06-30-21
Texas	NELAP	T1047004185-19-14	11-30-20
Texas	TCEQ Water Supply	T104704185	06-30-21
US Fish & Wildlife	US Federal Programs	LE058448-0	08-01-21

Eurofins TestAmerica, Chicago

Accreditation/Certification Summary

Client: TRC Environmental Corporation.
Project/Site: 393855

Job ID: 500-185839-1

Laboratory: Eurofins TestAmerica, Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
USDA	US Federal Programs	P330-18-00313	10-29-21
Virginia	NELAP	10509	06-14-21
Washington	State	C805	06-10-21
West Virginia (DW)	State	9950C	12-31-20
West Virginia DEP	State	094	07-31-20 *
Wisconsin	State	999819810	08-31-21
Wyoming	State	8TMS-L	06-30-20 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Chicago

Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



11111
 44444

Client Information		Sampler <i>Wesley Bragan</i>		Lab PM. Fredrick Sandie															
Client Contact Mr. Bryan Bergmann <i>Ted O'Connell</i>		Phone <i>608-234-7374</i>		E-Mail sandie.fredrick@testamericainc.com															
Company TRC Environmental Corporation.		Due Date Requested:		Analysis Request															
Address <i>150 N. Patrick Blvd. Suite 100</i> <i>708 Heartland Tr. STE 3000</i>		TAT Requested (days):																	
City <i>Medison</i>		PO #		500-185839 COC															
State, Zip <i>WI, 53005 53717</i>		Purchase Order Requested 155511																	
Phone <i>608-234-7374</i>		WO #		Total Number of Containers															
Email <i>Tocornell</i> <i>bbergmann@trccompanies.com</i>		Project # 50016869																	
Project Name 393855		SSCW#		Other:															
Site <i>John Nolen and Law Park (5400-00-02)</i>																			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=Air)	Field Filtered Sample (Yes or No)	Performs MS/MS (Yes or No)	8260B - VOC	6010C, 7471B, 8270D	WI_DRO - WI_DRO	WI_GRO - WI_GRO	8260B - VOC	6020A, 7470A	8270D - SVOC	1664B - HEM Oil and Grease/SST	Protocol B	Special Instructions/Note:		
						X	X												
1	GP-1 7.5-10	7/30/20	0835	C	Solid	N	N	X	X										3
2	GP-2 2.5-5	7/30/20	900	C	Solid	N	N	X	X										3
3	GP-3 5-7.5	7/30/20	915	C	Solid	N	N	X	X										3
4	GP-4 7.5-10	7/30/20	945	C	S Water	N	N	X	X										3
5	GP-5 2.5-5	7/30/20	1015	C	S Water	N	N	X	X	X	X								5
6	GP-6 2.5-5	7/30/20	1030	C	S	N	N	X	X										3
7	Tw-4	7/30/20	1040	G	W	N	N					X	X	X	X				6
8-9	Trip Blank	-	-	-	S/W	N	N	X				X							2
10	WASTE-1	7/30/20	1100	C	S	N	N									X		3	
Possible Hazard Identification								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radioisotical								<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months											
Deliverable Requested: I, II, III, IV, Other (specify)								Special Instructions/QC Requirements											
Empty Kit Relinquished by:				Date		Time		Method of Shipment											
Relinquished by <i>Wesley Bragan</i>				Date/Time <i>7/31/20 1700</i>		Company <i>TRC</i>		Received by <i>Stephanie Hernandez</i>		Date/Time <i>8/11/20 1000</i>		Company <i>TA-CHI</i>							
Relinquished by				Date/Time		Company		Received by		Date/Time		Company							
Relinquished by				Date/Time		Company		Received by		Date/Time		Company							
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No.		Cooler Temperature(s) °C and Other Remarks. <i>4c1</i>													

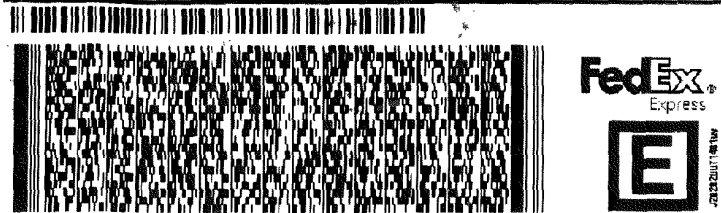
IN ID:MSNA (608) 234-7374
LEY BRAGA
COMPANIES
C ENVIRONMENTAL CORPORATION
08 HEARTLAND TRAIL, SUITE 3000
MADISON, WI 53717
UNITED STATES US

SHIP DATE: 31 JUL 20
ACTWGT: 48.70 LB
CAD: 109993720/INET4280
DIMS: 14x22x14 IN
BILL SENDER

TO **SAMPLE RECEIVING**
TESTAMERICA LABS - CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484

(865) 291-3000 REF. 393855 0000 0000 000000 000000
INV. DEPT:

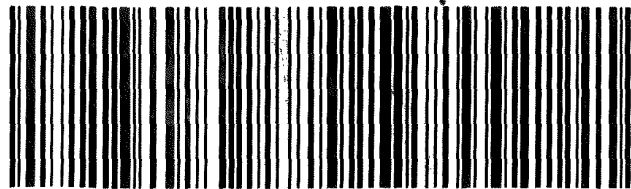


SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 7711 5094 1302
0201

X0 JOTA

60484
IL-US ORD



48qt.



500-185839 Wayt

58LJ06648766

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Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-185839-1

Login Number: 185839

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	False	Refer to Job Narrative for details.
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-185839-1

Login Number: 185839
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 08/04/20 12:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Appendix H: Special Provisions

1. Excavation, Hauling, and Disposal of Contaminated Soil

A Description

A.1 General

This special provision describes excavating, loading, hauling, and disposing of contaminated soil. Contaminated soil shall be disposed of at a WDNR-approved facility. The closest WDNR-approved facilities are:

Waste Management Madison Prairie Landfill
6002 Nelson Road
Sun Prairie, WI 53590
(866) 909-4458

Waste Management Deer Track Park Landfill
N6756 Waldmann Lane
Watertown, WI 53094
(866) 909-4458

Perform this work in accordance with section 205 of the standard specifications and with pertinent parts of Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.

A.2 Notice to the Contractor – Contaminated Soil Locations

The department completed testing for soil contamination within this project where excavation is required. Previous investigations indicate that contamination is present at the following locations:

■ Site 1 (410 South Blair Street)

- Station 44+75 to 46+00, reference line to construction limits on right
- Station 6+00 A to 7+00 A, reference line to construction limits on right
- Station 7+00 A to 8+50 A, 40 feet to 80 feet right of reference line to construction limits on right

TRC estimates approximately 2,100 tons of impacted soil will require off-site disposal as direct landfilled material.

Contaminated soil and/or underground storage tanks (USTs) may be encountered at other locations within the construction limits. If contaminated soil and/or USTs are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer. Contaminated soil at other locations shall be managed by the contractor under this contract. USTs will be removed by others.

For further information regarding previous investigation and remediation activities at these sites contact:

Name: Brian Taylor
Wisconsin DOT, Southwest Region
Address: 2101 Wright Street
Madison, WI 53704
Phone: 608-516-3452
e-mail: brianf.taylor@dot.wi.gov

Name: Dan Haak
TRC Environmental Corporation
Address: 708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608-826-3628 (office), 608-886-7423 (mobile)
Fax: 608-826-3941
e-mail: DHaak@trccompanies.com

A.3 Coordination

Coordinate work under this contract with the environment consultant:

Consultant: TRC Environmental Corporation
Address: 708 Heartland Trail, Suite 3000, Madison, WI 53717
Fax: 608-826-3941

Contact: Dan Haak
Phone: 608-826-3628 (office), 608-886-7423 (mobile)
e-mail: DHaak@trccompanies.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of contaminated soil to be excavated based on analytical results from previous investigations, visual observations, and field screening of soil that is excavated;
2. Identifying contaminated soils to be hauled to the disposal facility;
3. Documenting that activities associated with management of contaminated soil are in conformance with the contamination management methods for this project as specified herein; and
4. Obtaining the necessary approvals for disposal of contaminated soil from the disposal facility.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas of contamination to the environmental consultant. Also, notify the environmental consultant at least three calendar days prior to commencement of excavation activities in each of the contaminated areas.

Identify the WDNR-approved disposal facility that will be used for disposal of contaminated soils and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals for disposal of contaminated soils from the disposal facility.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation activities in the contaminated areas. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed. Do not pump or haul contaminated groundwater offsite without specific approval from the environmental consultant. Do not transport contaminated soil offsite without prior approval from the environmental consultant.

A.4 Protection of Groundwater Monitoring Wells

Groundwater monitoring wells may be present within the construction limits. Protect all groundwater monitoring wells to maintain their integrity. Adjust wells that do not conflict with utilities, structures, curb and gutter, etc. to be flush with the final grade. For wells that conflict with the previously mentioned items, notify the environmental consultant, and coordinate with the environmental consultant for the abandonment or adjustment of the wells by others. The environmental consultant will provide maps indicating the locations of all known monitoring wells, if requested by the contractor.

A.5 Excavation Management Plan Approval

The excavation management plan for this project has been designed to minimize the off-site disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR's concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding the investigations, including waste characterization within the project limits, contact Brian Taylor with the Department, at (608) 516-3452.

A.6 Health and Safety Requirements for Workers Remediating Contamination

Supplement subsection 107.1 of the standard specifications with the following:

During excavation activities, expect to encounter soil contaminated with gasoline, diesel fuel, fuel oil, or other petroleum related products; polycyclic aromatic hydrocarbons; and metals. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each contaminated site location as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of up-to-date OSHA training to the engineer prior to the start of work.

Disposal of contaminated soil at the disposal facility is subject to the facility's safety policies.

B (Vacant)

C Construction

Supplement subsection 205.3 of the standard specification with the following:

Control operations in the contaminated areas to minimize the quantity of contaminated soil excavated.

The environmental consultant will periodically evaluate soil excavated from the contaminated areas to determine if the soil will require offsite disposal. The environmental consultant will evaluate excavated soil based on field screening results, visual observations, and analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

On the basis of the results of such field-screening, the material will be designated for disposal as follows:

- Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials, or
- Low-level contaminated material (PID readings less than 10 ppm and no observation of staining or petroleum odor, or based on existing analytical data) for reuse as fill within the construction limits as allowed, or
- Contaminated soil (based on the presence of industrial fill or existing analytical data) for off-site disposal at the WDNR-licensed disposal facility, or
- Potentially contaminated for temporary stockpiling and additional characterization prior to disposal.

Directly load and haul soil designated by the environmental consultant for offsite disposal to the WDNR-approved facility. Verify that vehicles used to transport contaminated material are licensed for such activity in accordance with applicable state and federal regulations. Use loading and hauling practices that are appropriate to prevent any spills or

releases of contaminated soils or residues. Prior to transport, sufficiently dewater soils so as not to contain free liquids.

When material is encountered outside the above-identified limits of known contamination that appears to have been impacted with petroleum or chemical products, or when other obvious potentially contaminated materials are encountered or material exhibits characteristics of industrial-type wastes, such as fly ash, foundry sand, and cinders, or when underground storage tanks are encountered, suspend excavation in that area and notify the engineer.

Groundwater may be present within the construction limits. Water generated during dewatering operations (if necessary) is expected to be permitted to discharge to the surface except in the contaminated locations.

Control operations in the contaminated locations to minimize the quantity of contaminated water managed. Minimize the amount of open trenches, and construct diversion berms and implement other controls to minimize the infiltration of surface water into excavations in areas of known contamination. Maintain surface water controls until construction of utilities in the areas of contamination are complete. Allow contaminated water encountered, but not requiring removal as a standard course of construction, to remain in-place and do not manage in accordance with this special provision.

If surface water infiltrates excavations and dewatering is required, water may be discharged to the surface if the water meets the requirements of the project dewatering permit and the applicable requirements of the Wisconsin Pollution Discharge Elimination System (WPDES) for contaminated groundwater from remedial action operations. This includes, but is not limited to, pretreatment of water in order to meet WPDES discharge requirements. Perform all necessary monitoring to document compliance with WPDES requirements. Furnish, install, operate, maintain, disassemble, and remove treatment equipment necessary to comply with WPDES requirements.

Ensure continuous dewatering and excavation safety at all times. Provide, operate, and maintain adequate pumping equipment, and drainage and disposal facilities. Notify the engineer of any dewatering activities, and obtain any permits necessary to discharge water. Provide copies of such permits to the engineer. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

The environmental consultant may periodically evaluate water removed from the contaminated locations. Assist the environmental consultant in collecting water samples.

Water generated from dewatering activities within the contaminated locations may exceed the surface water discharge limits for compounds specified in the Wisconsin DNR's "General Permit to Discharge under the Wisconsin Pollutant Discharge Elimination System" for "Contaminated Groundwater from Remedial Action Operations" (WPDES Permit No. WI-0046566-5), Table 3.1.

If dewatering of groundwater is required in the contaminated locations, water shall be either containerized for disposal, treated, and discharged to surface, or upon approval of the municipality, discharged to the sanitary sewer. Pump contaminated water that exceeds surface water discharge limits, as determined by the environmental consultant, into either temporary holding tanks, a treatment system provided by the contractor, or upon approval of the municipality, discharged to the sanitary sewer, as necessary to complete construction. The contractor will coordinate holding tank mobilizations, waste characterization sampling of accumulated water, and transportation/disposal of contaminated water. The cost for holding tank mobilization, transportation, and contaminated water disposal shall be paid by the contractor. Management of contaminated groundwater shall be incidental to this item.

D Measurement

The department will measure Excavation, Hauling, and Disposal of Contaminated Soil in tons of contaminated soil accepted by the disposal facility as documented by weight tickets generated by the facility. Load tickets must be delivered to the engineer within 10 business days of the date on which the soil was accepted by the facility.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
_____	Excavation, Hauling, and Disposal of Contaminated Soil (Direct Landfill)	Ton

Payment is full compensation for excavating, segregating, loading, hauling, and treatment via disposal of contaminated soil; tipping fees; obtaining solid waste collection and transportation service operating licenses; assisting in the collection soil samples for field evaluation; dewatering of soils prior to transport, if necessary; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.