



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

Initial (Twenty Day) Report Form for UST Cleanup Projects

This report is due twenty (20) days from the date of the release.

DEQ USTC File No. 26-24-0148
DEQ Facility ID No. 718
Site Name: Skyline Principal and Sansome Six United
Site Address: 425 NE Broadway Street, Portland, Oregon, 97232

INITIAL CLEANUP INFORMATION

(1) Type of contamination (check ☒ all that apply):

☒ Gasoline ☒ Diesel ☐ Waste Oil ☐ Heating Oil
☒ Other (specify) Cadmium, Chromium and Lead

(2) Estimate quantity of release (based on information known to date – • select only one):

☒ <100 gal. ☐ 100-499 gal. ☐ 500-999 gal. ☐ 1,000-5,000 gal. ☐ >5,000 gal.

SITE INFORMATION (check ☒ yes or ☒ no)

(3) ☐ Y ☒ N Did any water enter the excavation? If yes, please describe and identify the depth to groundwater in feet below ground surface: Groundwater was not encountered and is estimated to be at a depth of 102 feet bgs

(4) ☐ Y ☒ N Was a sheen or odor observed on any water in the excavation?

Note: If groundwater is encountered, soil samples from the soil/water interface must be collected and analyzed for BTEX and by the appropriate TPH method.

At sites where diesel or other non-gasoline products have been released, the water may also have to be screened or tested for polynuclear aromatic hydrocarbons (PAHs). *Please refer to OAR 340-122-0218.*

(5) ☐ Y ☒ N Was water pumped from the excavation?

☐ Y ☐ N If yes, did groundwater recharge within 24 hours after pumping?

Please describe the pumping procedure and disposal option selected for the purged excavation water:

A petroleum leak was reported in association with a UST discovered by the City of Portland (City) during sewer line upgrades within NE Grand Avenue. Based on information provided by the City, the UST was about 3/4 full of water with an oily sheen and was pumped out, and a soil sample collected adjacent to the UST at 6 feet bgs contained gasoline, diesel, and metals. Groundwater was not encountered and is estimated to be at a depth of 102 feet bgs based on prior site assessment reports for the adjacent property (425 NE Broadway). No other excavation has been completed to date and options for UST removal are being evaluated.

(6) ☐ Y ☒ N Were any water samples collected from the excavation? If yes, please describe:

(7) ☒ Y ☐ N Have any soil and/or water sample results been received at this time?

If so, please attach any lab reports. Soil only; Lab report is attached.

IF GROUNDWATER HAS BEEN ENCOUNTERED, PLEASE ANSWER QUESTIONS #8-13, BELOW.

IF NO WATER HAS BEEN ENCOUNTERED, PLEASE SKIP TO QUESTION #14

(8) What are the known uses of groundwater within a 500-foot radius of the release site (check ☒ all that apply)?

☐ non-use ☐ industrial ☐ agricultural ☐ drinking supply

(9) If groundwater in this area is being used as a drinking water supply, please check ☒ the type and size of population served by the supply:

☐ Community (community well used for drinking water year round – • select only one)

size: ☐ <1,000 people ☐ 1,000 - 5,000 people ☐ >5,000 people

☐ Intermittent use (public water used for drinking water only on a part-time basis – • select only one)

size: ☐ <50 people ☐ 50 - 300 people ☐ > 300 people

☐ Private wells (individual private well or wells used for drinking water – • select only one)

size: ☐ <10 people ☐ 10 - 25 people ☐ >25 people

(10) ☐ Y ☐ N Is there any evidence this water supply has been or is likely to be impacted from the petroleum product release? If yes, estimate how difficult it would be to replace the existing supply:

☐ bottled water is the only alternative

☐ on-site water treatment; bulk water delivery; new wells are available

☐ able to connect to existing water supply

☐ do not know what alternatives would be available

(11) ☐ Y ☐ N Are/were vapors present in on-site or nearby buildings? If yes:

A. Are you monitoring and/or mitigating any potential fire and safety hazards posed by vapors and free product? Explain: _____

B. Estimate the number of people potentially affected by vapors – • select only one:

☐ 1-2 people ☐ 3-10 people ☐ >10 people

(12) ☐ Y ☐ N Are vapors or is petroleum contamination present in the utility corridors?

If yes, please explain: _____

(13) ☐ Y ☐ N Are natural areas located within 1/4 mile of the site? If so, please describe types (parks, rivers, wetlands, sensitive habitats, etc.) and proximity: _____

(14) ☒ Y ☐ N If groundwater was not encountered in the excavation, do you believe that this cleanup project can be conducted under the requirements for an UST Cleanup Matrix site? If yes, then refer to OAR 340-122-0305 through 0360.

AREA/SITE CONDITIONS:

- (15) Mean annual rainfall: ☐ <20 inches ☒ 20-45 inches ☐ >45 inches
- (16) Soil type(s) of the naturally occurring soils, not the backfill around the tank – • select only one:
- ☐ clays, compact tills, shales, and unfractured metamorphic and igneous rocks
- ☐ sandy loams, loamy sands, silty clays, clay loams, moderately permeable limestone, dolomite, sandstones, moderately fractured igneous and metamorphic rock
- ☒ fine and silty sands, sands and gravels, highly fractured igneous and metamorphic rock, permeable basalts and lavas, karst limestones and dolomites

SOIL MANAGEMENT

- (17) If soil sample results have been received:
☒ Y ☐ N Will the level of contamination detected require removal of contaminated soil for treatment or disposal? A soil sample collected adjacent to the UST contained gasoline, diesel and metals, with some detections exceeding risk-based concentrations. The lab report is attached.
- (18) All contaminated soil temporarily stockpiled on-site prior to treatment or disposal must be contained within a bermed area, kept covered, and the entire area secured to prevent unauthorized access by the public. If you haven't done this, please explain why:

No other excavation or remedial actions have been completed since discovery of the UST by the City and options for UST removal are being evaluated.

Note: It is a violation to stockpile petroleum contaminated soil (PCS) on-site for greater than 30 days without a DEQ Solid Waste Letter Authorization (SWLA) Permit.

- (19) If contaminated soil is currently stockpiled on-site, please indicate when disposal will occur or when treatment will begin: No stockpiling planned at this time.
- (20) Estimated volume of contaminated soil (specify tons or cubic yards): No stockpiling planned at this time.
- (21) Intended disposition of soils (please • select only one):
- ☐ On-site/off-site treatment, Solid Waste Letter Authorization Permit Application attached.
- ☐ Thermal treatment off-site at an authorized facility.
 Facility name: _____
- ☐ Landfill disposal.
 Name of Landfill: _____

Note: Please attach additional information as necessary to explain any unusual circumstances associated with this project.

This initial report is intended to provide the Department with the basic initial information about activities associated with the release. Future reports should provide a more detailed and complete picture of the cleanup project.

Please be aware that a DEQ permit/authorization is required for the following activities:

- 1) Soil aeration, bioremediation (on-site or off-site), or on-site thermal treatment.
- 2) Water discharges to a stream/storm drain from the excavation or treatment tank.

If these activities will be included in your cleanup project, contact the regional DEQ office for the appropriate application forms, information on permit fees and guidance documents.

THIS REPORT WAS PREPARED BY:

Individual:	Laura Skow	Date:	8/28/24
Company:	Montrose Environmental	Phone:	(714) 919-6533
Address:	1631 E. Saint Andrew Place		
City:	Santa Ana	State:	CA Zip 92705

**1. Please return this form to the regional office in which the site is located.
If you have questions, call the contact person in your regional office.**

2. For all tanks, except heating oil tanks, you must submit an *UST Decommissioning Checklist and Site Assessment Report* to the appropriate regional office within 30 days of the UST decommissioning.

Failure to do so can result in delays to your project and may result in continued billing for the annual tank permit fees.

**3. Addresses and phone numbers for the regional offices can be found in the *UST Cleanup Manual* or viewed and downloaded from this DEQ Webpage:
<http://www.deq.state.or.us/about/locations.htm>**

**4. Copies of the *UST Cleanup Manual* and other UST program forms and checklists can be viewed and downloaded from DEQ's Website:
<http://www.deq.state.or.us/lq/tanks/ust/index.htm>**

or in the Portland area by calling Steve Paiko at 503-229-6652

or outside the Portland area leaving a message on the UST Help Line (toll-free in Oregon) at 1-800-742-7878

KEEP A COPY OF THIS REPORT FOR YOUR FACILITY RECORDS



City of Portland
Water Pollution Control Laboratory
6543 N. Burlington Ave. / Portland OR 97203 (503) 823-5600 fax (503) 823-5656
ORELAP Certification ID 4023



LABORATORY ANALYSIS REPORT

Project: **NE Grand S/o NE Schuyler MCC** Client: Coordinated Site Analysis
Sewer Rehab
Work Order: **W24B119** Project Mgr: Bethany Nabhan
Received: 2/13/24 12:38
Submitted By: CSA

Sample	Laboratory ID	Matrix	Type	Sample Collection Date		Qualifier
				Start	End	
Tank N. 6ft	W24B119-01	Soil	Grab	02/13/24 11:50	02/13/24 11:50	

Analyte	Result Units	MRL	Dil.	Batch	Prepared	Analyzed	Method	Qualifier
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Tank N. 6ft : W24B119-01

General Chemistry

Total solids	73.2 % W/W	0.02		B24B221	02/13/24	02/14/24	SM 2540G	
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Total Metals

Total Metals by ICPMS

Cadmium	0.138 mg/kg dry	0.060	20	B24B224	02/14/24	02/14/24	EPA 6020	
Chromium	24.5 mg/kg dry	0.119	20	B24B224	02/14/24	02/14/24	EPA 6020	
Lead	39.5 mg/kg dry	0.239	20	B24B224	02/14/24	02/14/24	EPA 6020	

Fuels

Hydrocarbon Scan by GC-FID

Gasoline	DET mg/kg dry	31	1	B24B219	02/13/24	02/14/24	NWTPH-HCID	F0
Diesel	DET mg/kg dry	76	1	B24B219	02/13/24	02/14/24	NWTPH-HCID	F3
Lube oil	ND mg/kg dry	153	1	B24B219	02/13/24	02/14/24	NWTPH-HCID	
Surrogate	Result	Expected	%Rec	Limits(%)				
o-Terphenyl	16.6 mg/kg dry	15.3	109%	50-150	B24B219	02/13/24	02/14/24	NWTPH-HCID

Reported: 02/15/24 10:06

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Project: **NE Grand S/o NE Schuyler MCC**
Sewer Rehab
Work Order: **W24B119**

Client: **Coordinated Site Analysis**
Received: **02/13/24 12:38**

Analyte	Result Units	MRL	Dil.	Batch	Prepared	Analyzed	Method	Qualifier
Volatile Organics								
Volatile Organic Compounds by GCMS								
Acetone	ND ug/kg dry	1670	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	F11
Benzene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Bromobenzene	ND ug/kg dry	83.5	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
Bromochloromethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Bromodichloromethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Bromoform	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
Bromomethane	ND ug/kg dry	83.5	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	V3
2-Butanone	ND ug/kg dry	835	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
n-Butylbenzene	5850 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
sec-Butylbenzene	8090 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
tert-Butylbenzene	465 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
Carbon disulfide	ND ug/kg dry	167	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Carbon tetrachloride	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Chlorobenzene	ND ug/kg dry	334	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
Chloroethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	L1
Chloroform	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Chloromethane	ND ug/kg dry	83.5	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
2-Chlorotoluene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
4-Chlorotoluene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
1,2-Dibromo-3-chloropropane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Dibromochloromethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,2-Dibromoethane	ND ug/kg dry	83.5	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Dibromomethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,2-Dichlorobenzene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,3-Dichlorobenzene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
1,4-Dichlorobenzene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Dichlorodifluoromethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,1-Dichloroethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,2-Dichloroethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,1-Dichloroethene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
cis-1,2-Dichloroethene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
trans-1,2-Dichloroethene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,2-Dichloropropane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,3-Dichloropropane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
2,2-Dichloropropane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,1-Dichloropropene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
cis-1,3-Dichloropropene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
trans-1,3-Dichloropropene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Ethylbenzene	156 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
Hexachlorobutadiene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	V3
2-Hexanone	ND ug/kg dry	417	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	

Reported: 02/15/24 10:06

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ORELAP Certification ID 4023



Project:	NE Grand S/o NE Schuyler MCC Sewer Rehab	Client:	Coordinated Site Analysis
Work Order:	W24B119	Received:	02/13/24 12:38

Analyte	Result Units	MRL	Dil.	Batch	Prepared	Analyzed	Method	Qualifier
Volatile Organics								
Volatile Organic Compounds by GCMS								
Isopropylbenzene	4710 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	F11 M4
4-Isopropyltoluene	648 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
4-Methyl-2-pentanone (MIBK)	ND ug/kg dry	417	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Methylene chloride	ND ug/kg dry	83.5	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Naphthalene	356 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
n-Propylbenzene	8110 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
Styrene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
1,1,1,2-Tetrachloroethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
1,1,2,2-Tetrachloroethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Tetrachloroethene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Toluene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M25
1,2,3-Trichlorobenzene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,2,4-Trichlorobenzene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,1,1-Trichloroethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,1,2-Trichloroethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Trichloroethene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Trichlorofluoromethane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,2,3-Trichloropropane	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
1,2,4-Trimethylbenzene	2560 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
1,3,5-Trimethylbenzene	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M25, M4
Vinyl acetate	ND ug/kg dry	83.5	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
Vinyl chloride	ND ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	
m,p-Xylene	262 ug/kg dry	83.5	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
o-Xylene	150 ug/kg dry	41.7	50	B24B218	02/13/24 14:00	02/13/24	EPA 8260	M4
Surrogate	Result	Expected	%Rec	Limits(%)				
Dibromofluoromethane	47.8 ug/L	50.0	96%	80-120	B24B218	02/13/24 14:00	02/13/24	EPA 8260
Toluene-d8	52.4 ug/L	50.0	105%	80-120	B24B218	02/13/24 14:00	02/13/24	EPA 8260
4-Bromofluorobenzene	107 ug/L	50.0	214%	80-120	B24B218	02/13/24 14:00	02/13/24	EPA 8260 SU2

Reported: 02/15/24 10:06

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ORELAP Certification ID 4023



Project: **NE Grand S/o NE Schuyler MCC
Sewer Rehab**
Work Order: **W24B119**

Client: **Coordinated Site Analysis**
Received: **02/13/24 12:38**

Analyte	Result Units	MRL	Dil.	Batch	Prepared	Analyzed	Method	Qualifier
Semivolatile Organics - SIM								
Polynuclear Aromatic Hydrocarbons by GCMS-SIM								
Acenaphthene	ND ug/kg dry	55	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Acenaphthylene	ND ug/kg dry	55	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Anthracene	ND ug/kg dry	55	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Benzo(a)anthracene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Benzo(a)pyrene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Benzo(b)fluoranthene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Benzo(g,h,i)perylene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Benzo(k)fluoranthene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Chrysene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Dibenzo(a,h)anthracene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Fluoranthene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Fluorene	ND ug/kg dry	55	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Indeno(1,2,3-cd)pyrene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Naphthalene	ND ug/kg dry	220	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	D4
Phenanthrene	ND ug/kg dry	55	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Pyrene	ND ug/kg dry	27	20	B24B238	02/14/24	02/14/24	EPA 8270-SIM	
Surrogate	Result	Expected	%Rec	Limits(%)				
2-Methylnaphthalene-d10	140 ug/kg dry	137	101%	31-129	B24B238	02/14/24	EPA 8270-SIM	
Fluoranthene-d10	140 ug/kg dry	137	105%	63-132	B24B238	02/14/24	EPA 8270-SIM	

Tank N. 6ft : W24B119-01RE1

Volatile Organics

NWTPH-Gx by GCMS								
Gasoline	3920 mg/kg dry	83.5	500	B24B218	02/13/24 14:00	02/13/24	NWTPH-Gx	F11
Surrogate	Result	Expected	%Rec	Limits(%)				
Dibromofluoromethane	0.0468 mg/L	0.0500	94%	50-150	B24B218	02/13/24 14:00	NWTPH-Gx	
Toluene-d8	0.0519 mg/L	0.0500	104%	50-150	B24B218	02/13/24 14:00	NWTPH-Gx	

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Project: **NE Grand S/o NE Schuyler MCC
Sewer Rehab**

Client: **Coordinated Site Analysis**

Work Order: **W24B119**

Received: **02/13/24 12:38**

Quality Control Report

General Chemistry - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
Total Solids - Batch B24B221									
Blank (B24B221-BLK1)									
Total solids	ND	% W/W	0.02					02/13/24 :02/14/24	
Duplicate (B24B221-DUP1) Source: W24B119-01									
Total solids	72.6	% W/W	0.02		73.2		0.8 (5)	02/13/24 :02/14/24	

Total Metals - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
Total Metals by ICPMS - Batch B24B224									
Blank (B24B224-BLK1)									
Cadmium	ND	mg/kg wet	0.025					02/14/24 :02/14/24	
Chromium	ND	mg/kg wet	0.050					02/14/24 :02/14/24	
Lead	ND	mg/kg wet	0.100					02/14/24 :02/14/24	
Standard Reference Material (B24B224-SRM1)									
Cadmium	231	mg/kg wet	1.20	267		87%		02/14/24 :02/14/24	
Chromium	151	mg/kg wet	2.39	159		95%		02/14/24 :02/14/24	
Lead	124	mg/kg wet	4.78	132		94%		02/14/24 :02/14/24	
Duplicate (B24B224-DUP1) Source: W24B055-01									
Cadmium	1.15	mg/kg dry	0.314		1.17		1 (20)	02/14/24 :02/14/24	
Chromium	37.2	mg/kg dry	0.628		38.0		2 (20)	02/14/24 :02/14/24	
Lead	23.6	mg/kg dry	1.26		23.2		2 (20)	02/14/24 :02/14/24	
Matrix Spike (B24B224-MS1) Source: W24B055-01									
Cadmium	127	mg/kg dry	1.61	129	ND	98% (75-125)		02/14/24 :02/14/24	
Chromium	418	mg/kg dry	3.22	387	38.0	98% (75-125)		02/14/24 :02/14/24	
Lead	665	mg/kg dry	6.45	645	23.2	100% (75-125)		02/14/24 :02/14/24	

Reported: 02/15/24 10:06

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Water Pollution Control Laboratory

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ORELAP Certification ID 4023



Project: **NE Grand S/o NE Schuyler MCC** Client: Coordinated Site Analysis
Sewer Rehab
Work Order: **W24B119** Received: 02/13/24 12:38

Fuels - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Hydrocarbon Scan by GC-FID - Batch B24B219

Blank (B24B219-BLK1)

Gasoline	ND	mg/kg wet	18					02/13/24 :02/14/24	
Diesel	ND	mg/kg wet	45					02/13/24 :02/14/24	
Lube oil	ND	mg/kg wet	91					02/13/24 :02/14/24	
Surrogate									
o-Terphenyl	8.56	mg/kg wet		9.09		94% (50-150)		02/13/24 :02/14/24	

Duplicate (B24B219-DUP1)

Source: W24B119-01

Gasoline	DET	mg/kg dry	26		DET			02/13/24 :02/14/24	F0a
Diesel	DET	mg/kg dry	65		DET			02/13/24 :02/14/24	F3
Lube oil	ND	mg/kg dry	131		ND			02/13/24 :02/14/24	
Surrogate									
o-Terphenyl	13.7	mg/kg dry		13.1		105% (50-150)		02/13/24 :02/14/24	

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Project: **NE Grand S/o NE Schuyler MCC** Client: **Coordinated Site Analysis**
Sewer Rehab
Work Order: **W24B119** Received: **02/13/24 12:38**

Volatile Organics - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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NWTPH-Gx by GCMS - Batch B24B218

Blank (B24B218-BLK1)

Gasoline	ND	mg/kg wet	5.00					02/13/24 :02/13/24	
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Surrogate

Dibromofluoromethane	0.0478	mg/L		0.0500		96% (50-150)		02/13/24 :02/13/24	
Toluene-d8	0.0492	mg/L		0.0500		98% (50-150)		02/13/24 :02/13/24	

LCS (B24B218-BS2)

Gasoline	41.5	mg/kg wet	5.00	50.0		83% (70-130)		02/13/24 :02/13/24	
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Surrogate

Dibromofluoromethane	0.0458	mg/L		0.0500		92% (50-150)		02/13/24 :02/13/24	
Toluene-d8	0.0496	mg/L		0.0500		99% (50-150)		02/13/24 :02/13/24	

Duplicate (B24B218-DUP1)

Source: W24B119-01

Gasoline	1780	mg/kg dry	8.36		2290		25 (20)	02/13/24 :02/13/24	E
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Surrogate

Dibromofluoromethane	0.0438	mg/L		0.0500		88% (50-150)		02/13/24 :02/13/24	
Toluene-d8	0.0727	mg/L		0.0500		145% (50-150)		02/13/24 :02/13/24	

Volatile Organic Compounds by GCMS - Batch B24B218

Blank (B24B218-BLK1)

Acetone	ND	ug/kg wet	1000					02/13/24 :02/13/24	
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Benzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Bromobenzene	ND	ug/kg wet	50.0					02/13/24 :02/13/24	
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Bromochloromethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Bromodichloromethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Bromoform	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Bromomethane	ND	ug/kg wet	50.0					02/13/24 :02/13/24	V3
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2-Butanone	ND	ug/kg wet	500					02/13/24 :02/13/24	
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n-Butylbenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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sec-Butylbenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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tert-Butylbenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Carbon disulfide	ND	ug/kg wet	100					02/13/24 :02/13/24	
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Carbon tetrachloride	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Chlorobenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Chloroethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	L1
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Chloroform	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Chloromethane	ND	ug/kg wet	50.0					02/13/24 :02/13/24	
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2-Chlorotoluene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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4-Chlorotoluene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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1,2-Dibromo-3-chloropropane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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Dibromochloromethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
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1,2-Dibromoethane	ND	ug/kg wet	50.0					02/13/24 :02/13/24	
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Project: **NE Grand S/o NE Schuyler MCC
Sewer Rehab**
Work Order: **W24B119**

Client: **Coordinated Site Analysis**
Received: **02/13/24 12:38**

Volatile Organics - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Volatile Organic Compounds by GCMS - Batch B24B218

Blank (B24B218-BLK1)

Dibromomethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,2-Dichlorobenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,3-Dichlorobenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,4-Dichlorobenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Dichlorodifluoromethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,1-Dichloroethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,2-Dichloroethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,1-Dichloroethene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
cis-1,2-Dichloroethene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
trans-1,2-Dichloroethene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,2-Dichloropropane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,3-Dichloropropane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
2,2-Dichloropropane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,1-Dichloropropene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
cis-1,3-Dichloropropene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
trans-1,3-Dichloropropene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Ethylbenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Hexachlorobutadiene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	V3
2-Hexanone	ND	ug/kg wet	250					02/13/24 :02/13/24	
Isopropylbenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
4-Isopropyltoluene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg wet	250					02/13/24 :02/13/24	
Methylene chloride	ND	ug/kg wet	50.0					02/13/24 :02/13/24	
Naphthalene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
n-Propylbenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Styrene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,1,1,2-Tetrachloroethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,1,2,2-Tetrachloroethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Tetrachloroethene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Toluene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,2,3-Trichlorobenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,2,4-Trichlorobenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,1,1-Trichloroethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,1,2-Trichloroethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Trichloroethene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Trichlorofluoromethane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,2,3-Trichloropropane	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,2,4-Trimethylbenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
1,3,5-Trimethylbenzene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	

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Project: **NE Grand S/o NE Schuyler MCC
Sewer Rehab**
Work Order: **W24B119**

Client: **Coordinated Site Analysis**
Received: **02/13/24 12:38**

Volatile Organics - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Volatile Organic Compounds by GCMS - Batch B24B218

Blank (B24B218-BLK1)

Vinyl acetate	ND	ug/kg wet	50.0					02/13/24 :02/13/24	
Vinyl chloride	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
m,p-Xylene	ND	ug/kg wet	50.0					02/13/24 :02/13/24	
o-Xylene	ND	ug/kg wet	25.0					02/13/24 :02/13/24	
Surrogate									
Dibromofluoromethane	47.2	ug/L		50.0		94% (80-120)		02/13/24 :02/13/24	
Toluene-d8	51.8	ug/L		50.0		104% (80-120)		02/13/24 :02/13/24	
4-Bromofluorobenzene	49.3	ug/L		50.0		99% (80-120)		02/13/24 :02/13/24	

LCS (B24B218-BS1)

Acetone	4828	ug/kg wet	1000	5000		97% (70-130)		02/13/24 :02/13/24	
Benzene	1063	ug/kg wet	25.0	1000		106% (70-130)		02/13/24 :02/13/24	
Bromobenzene	1044	ug/kg wet	50.0	1000		104% (70-130)		02/13/24 :02/13/24	
Bromochloromethane	1022	ug/kg wet	25.0	1000		102% (70-130)		02/13/24 :02/13/24	
Bromodichloromethane	1004	ug/kg wet	25.0	1000		100% (70-130)		02/13/24 :02/13/24	
Bromoform	964.5	ug/kg wet	25.0	1000		96% (70-130)		02/13/24 :02/13/24	
Bromomethane	143.5	ug/kg wet	50.0	1000		14% (70-130)		02/13/24 :02/13/24	V3
2-Butanone	5369	ug/kg wet	500	5000		107% (70-130)		02/13/24 :02/13/24	
n-Butylbenzene	884.5	ug/kg wet	25.0	1000		88% (70-130)		02/13/24 :02/13/24	
sec-Butylbenzene	1014	ug/kg wet	25.0	1000		101% (70-130)		02/13/24 :02/13/24	
tert-Butylbenzene	989.5	ug/kg wet	25.0	1000		99% (70-130)		02/13/24 :02/13/24	
Carbon disulfide	2048	ug/kg wet	100	2000		102% (70-130)		02/13/24 :02/13/24	
Carbon tetrachloride	892.5	ug/kg wet	25.0	1000		89% (70-130)		02/13/24 :02/13/24	
Chlorobenzene	985.0	ug/kg wet	25.0	1000		98% (70-130)		02/13/24 :02/13/24	
Chloroethane	226.0	ug/kg wet	25.0	1000		23% (70-130)		02/13/24 :02/13/24	L1
Chloroform	991.0	ug/kg wet	25.0	1000		99% (70-130)		02/13/24 :02/13/24	
Chloromethane	988.0	ug/kg wet	50.0	1000		99% (70-130)		02/13/24 :02/13/24	
2-Chlorotoluene	966.5	ug/kg wet	25.0	1000		97% (70-130)		02/13/24 :02/13/24	
4-Chlorotoluene	967.5	ug/kg wet	25.0	1000		97% (70-130)		02/13/24 :02/13/24	
1,2-Dibromo-3-chloropropane	911.5	ug/kg wet	25.0	1000		91% (70-130)		02/13/24 :02/13/24	
Dibromochloromethane	977.0	ug/kg wet	25.0	1000		98% (70-130)		02/13/24 :02/13/24	
1,2-Dibromoethane	976.5	ug/kg wet	50.0	1000		98% (70-130)		02/13/24 :02/13/24	
Dibromomethane	963.0	ug/kg wet	25.0	1000		96% (70-130)		02/13/24 :02/13/24	
1,2-Dichlorobenzene	936.5	ug/kg wet	25.0	1000		94% (70-130)		02/13/24 :02/13/24	
1,3-Dichlorobenzene	987.0	ug/kg wet	25.0	1000		99% (70-130)		02/13/24 :02/13/24	
1,4-Dichlorobenzene	919.5	ug/kg wet	25.0	1000		92% (70-130)		02/13/24 :02/13/24	
Dichlorodifluoromethane	1012	ug/kg wet	25.0	1000		101% (70-130)		02/13/24 :02/13/24	
1,1-Dichloroethane	1071	ug/kg wet	25.0	1000		107% (70-130)		02/13/24 :02/13/24	
1,2-Dichloroethane	926.5	ug/kg wet	25.0	1000		93% (70-130)		02/13/24 :02/13/24	
1,1-Dichloroethene	1028	ug/kg wet	25.0	1000		103% (70-130)		02/13/24 :02/13/24	

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Volatile Organics - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Volatile Organic Compounds by GCMS - Batch B24B218

LCS (B24B218-BS1)

cis-1,2-Dichloroethene	1026	ug/kg wet	25.0	1000	103% (70-130)	02/13/24 :02/13/24	
trans-1,2-Dichloroethene	1026	ug/kg wet	25.0	1000	103% (70-130)	02/13/24 :02/13/24	
1,2-Dichloropropane	1104	ug/kg wet	25.0	1000	110% (70-130)	02/13/24 :02/13/24	
1,3-Dichloropropane	1030	ug/kg wet	25.0	1000	103% (70-130)	02/13/24 :02/13/24	
2,2-Dichloropropane	970.5	ug/kg wet	25.0	1000	97% (70-130)	02/13/24 :02/13/24	
1,1-Dichloropropene	944.5	ug/kg wet	25.0	1000	94% (70-130)	02/13/24 :02/13/24	
cis-1,3-Dichloropropene	1074	ug/kg wet	25.0	1000	107% (70-130)	02/13/24 :02/13/24	
trans-1,3-Dichloropropene	1030	ug/kg wet	25.0	1000	103% (70-130)	02/13/24 :02/13/24	
Ethylbenzene	1006	ug/kg wet	25.0	1000	101% (70-130)	02/13/24 :02/13/24	
Hexachlorobutadiene	834.5	ug/kg wet	25.0	1000	83% (70-130)	02/13/24 :02/13/24	V3
2-Hexanone	5280	ug/kg wet	250	5000	106% (70-130)	02/13/24 :02/13/24	
Isopropylbenzene	1041	ug/kg wet	25.0	1000	104% (70-130)	02/13/24 :02/13/24	
4-Isopropyltoluene	971.0	ug/kg wet	25.0	1000	97% (70-130)	02/13/24 :02/13/24	
4-Methyl-2-pentanone (MIBK)	5277	ug/kg wet	250	5000	106% (70-130)	02/13/24 :02/13/24	
Methylene chloride	1062	ug/kg wet	50.0	1000	106% (70-130)	02/13/24 :02/13/24	
Naphthalene	901.0	ug/kg wet	25.0	1000	90% (70-130)	02/13/24 :02/13/24	
n-Propylbenzene	1028	ug/kg wet	25.0	1000	103% (70-130)	02/13/24 :02/13/24	
Styrene	1016	ug/kg wet	25.0	1000	102% (70-130)	02/13/24 :02/13/24	
1,1,1,2-Tetrachloroethane	968.5	ug/kg wet	25.0	1000	97% (70-130)	02/13/24 :02/13/24	
1,1,2,2-Tetrachloroethane	923.5	ug/kg wet	25.0	1000	92% (70-130)	02/13/24 :02/13/24	
Tetrachloroethene	1056	ug/kg wet	25.0	1000	106% (70-130)	02/13/24 :02/13/24	
Toluene	1014	ug/kg wet	25.0	1000	101% (70-130)	02/13/24 :02/13/24	
1,2,3-Trichlorobenzene	901.0	ug/kg wet	25.0	1000	90% (70-130)	02/13/24 :02/13/24	
1,2,4-Trichlorobenzene	925.5	ug/kg wet	25.0	1000	93% (70-130)	02/13/24 :02/13/24	
1,1,1-Trichloroethane	951.5	ug/kg wet	25.0	1000	95% (70-130)	02/13/24 :02/13/24	
1,1,2-Trichloroethane	1019	ug/kg wet	25.0	1000	102% (70-130)	02/13/24 :02/13/24	
Trichloroethene	1082	ug/kg wet	25.0	1000	108% (70-130)	02/13/24 :02/13/24	
Trichlorofluoromethane	879.5	ug/kg wet	25.0	1000	88% (70-130)	02/13/24 :02/13/24	
1,2,3-Trichloropropane	909.0	ug/kg wet	25.0	1000	91% (70-130)	02/13/24 :02/13/24	
1,2,4-Trimethylbenzene	983.5	ug/kg wet	25.0	1000	98% (70-130)	02/13/24 :02/13/24	
1,3,5-Trimethylbenzene	987.5	ug/kg wet	25.0	1000	99% (70-130)	02/13/24 :02/13/24	
Vinyl acetate	4944	ug/kg wet	50.0	4000	124% (70-130)	02/13/24 :02/13/24	
Vinyl chloride	885.0	ug/kg wet	25.0	1000	88% (70-130)	02/13/24 :02/13/24	
m,p-Xylene	2022	ug/kg wet	50.0	2000	101% (70-130)	02/13/24 :02/13/24	
o-Xylene	987.0	ug/kg wet	25.0	1000	99% (70-130)	02/13/24 :02/13/24	
Surrogate							
Dibromofluoromethane	45.9	ug/L		50.0	92% (80-120)	02/13/24 :02/13/24	
Toluene-d8	52.6	ug/L		50.0	105% (80-120)	02/13/24 :02/13/24	
4-Bromofluorobenzene	49.7	ug/L		50.0	99% (80-120)	02/13/24 :02/13/24	

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ORELAP Certification ID 4023



Project: **NE Grand S/o NE Schuyler MCC
Sewer Rehab**
Work Order: **W24B119**

Client: **Coordinated Site Analysis**
Received: **02/13/24 12:38**

Volatile Organics - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Volatile Organic Compounds by GCMS - Batch B24B218

Duplicate (B24B218-DUP1)		Source: W24B119-01							
Acetone	ND	ug/kg dry	1670		ND	(20)	02/13/24 :02/13/24		
Benzene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Bromobenzene	ND	ug/kg dry	83.6		ND	(20)	02/13/24 :02/13/24		
Bromochloromethane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Bromodichloromethane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Bromoform	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Bromomethane	ND	ug/kg dry	83.6		ND	(20)	02/13/24 :02/13/24		V3
2-Butanone	ND	ug/kg dry	836		ND	(20)	02/13/24 :02/13/24		
n-Butylbenzene	4776	ug/kg dry	41.8		5845	20 (20)	02/13/24 :02/13/24		M1
sec-Butylbenzene	6250	ug/kg dry	41.8		8092	26 (20)	02/13/24 :02/13/24		M1
tert-Butylbenzene	357.7	ug/kg dry	41.8		464.9	26 (20)	02/13/24 :02/13/24		M1
Carbon disulfide	ND	ug/kg dry	167		ND	(20)	02/13/24 :02/13/24		
Carbon tetrachloride	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Chlorobenzene	ND	ug/kg dry	334		ND	(20)	02/13/24 :02/13/24		
Chloroethane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		L1
Chloroform	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Chloromethane	ND	ug/kg dry	83.6		ND	(20)	02/13/24 :02/13/24		
2-Chlorotoluene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
4-Chlorotoluene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,2-Dibromo-3-chloropropane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Dibromochloromethane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,2-Dibromoethane	ND	ug/kg dry	83.6		ND	(20)	02/13/24 :02/13/24		
Dibromomethane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,2-Dichlorobenzene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,3-Dichlorobenzene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,4-Dichlorobenzene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Dichlorodifluoromethane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,1-Dichloroethane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,2-Dichloroethane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,1-Dichloroethene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
cis-1,2-Dichloroethene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
trans-1,2-Dichloroethene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,2-Dichloropropane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,3-Dichloropropane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
2,2-Dichloropropane	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
1,1-Dichloropropene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
cis-1,3-Dichloropropene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
trans-1,3-Dichloropropene	ND	ug/kg dry	41.8		ND	(20)	02/13/24 :02/13/24		
Ethylbenzene	201.4	ug/kg dry	41.8		156.1	25 (20)	02/13/24 :02/13/24		M1

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Project: **NE Grand S/o NE Schuyler MCC** Client: **Coordinated Site Analysis**
Sewer Rehab
Work Order: **W24B119** Received: **02/13/24 12:38**

Volatile Organics - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Volatile Organic Compounds by GCMS - Batch B24B218

Duplicate (B24B218-DUP1)			Source: W24B119-01				
Hexachlorobutadiene	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	V3
2-Hexanone	ND	ug/kg dry	418	ND	(20)	02/13/24 :02/13/24	
Isopropylbenzene	3706	ug/kg dry	41.8	4706	24 (20)	02/13/24 :02/13/24	M1
4-Isopropyltoluene	1364	ug/kg dry	41.8	648.5	71 (20)	02/13/24 :02/13/24	M1
4-Methyl-2-pentanone (MIBK)	ND	ug/kg dry	418	ND	(20)	02/13/24 :02/13/24	
Methylene chloride	ND	ug/kg dry	83.6	ND	(20)	02/13/24 :02/13/24	
Naphthalene	597.6	ug/kg dry	41.8	356.4	51 (20)	02/13/24 :02/13/24	M1
n-Propylbenzene	7529	ug/kg dry	41.8	8113	7 (20)	02/13/24 :02/13/24	
Styrene	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
1,1,1,2-Tetrachloroethane	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
1,1,2,2-Tetrachloroethane	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
Tetrachloroethene	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
Toluene	70.21	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
1,2,3-Trichlorobenzene	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
1,2,4-Trichlorobenzene	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
1,1,1-Trichloroethane	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
1,1,2-Trichloroethane	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
Trichloroethene	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
Trichlorofluoromethane	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
1,2,3-Trichloropropane	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
1,2,4-Trimethylbenzene	5622	ug/kg dry	41.8	2563	75 (20)	02/13/24 :02/13/24	M1
1,3,5-Trimethylbenzene	56.00	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
Vinyl acetate	ND	ug/kg dry	83.6	ND	(20)	02/13/24 :02/13/24	
Vinyl chloride	ND	ug/kg dry	41.8	ND	(20)	02/13/24 :02/13/24	
m,p-Xylene	297.5	ug/kg dry	83.6	262.1	13 (20)	02/13/24 :02/13/24	
o-Xylene	136.2	ug/kg dry	41.8	150.2	10 (20)	02/13/24 :02/13/24	
Surrogate							
Dibromofluoromethane	46.6	ug/L		50.0	93% (80-120)	02/13/24 :02/13/24	
Toluene-d8	52.8	ug/L		50.0	106% (80-120)	02/13/24 :02/13/24	
4-Bromofluorobenzene	95.4	ug/L		50.0	191% (80-120)	02/13/24 :02/13/24	M1

Matrix Spike (B24B218-MS1)			Source: W24B119-01				
Acetone	8861 ug/kg dry	1670	8350	ND	106% (70-130)	02/13/24 :02/13/24	
Benzene	2012 ug/kg dry	41.7	1670	ND	120% (70-130)	02/13/24 :02/13/24	
Bromobenzene	935.6 ug/kg dry	83.5	1670	ND	56% (70-130)	02/13/24 :02/13/24	M4
Bromochloromethane	1892 ug/kg dry	41.7	1670	ND	113% (70-130)	02/13/24 :02/13/24	
Bromodichloromethane	1721 ug/kg dry	41.7	1670	ND	103% (70-130)	02/13/24 :02/13/24	
Bromoform	852.9 ug/kg dry	41.7	1670	ND	51% (70-130)	02/13/24 :02/13/24	M4
Bromomethane	350.5 ug/kg dry	83.5	1670	ND	21% (70-130)	02/13/24 :02/13/24	V3
2-Butanone	9607 ug/kg dry	835	8350	ND	115% (70-130)	02/13/24 :02/13/24	

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Water Pollution Control Laboratory

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Project: **NE Grand S/o NE Schuyler MCC
Sewer Rehab**
Work Order: **W24B119**

Client: **Coordinated Site Analysis**
Received: **02/13/24 12:38**

Volatile Organics - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Volatile Organic Compounds by GCMS - Batch B24B218

Matrix Spike (B24B218-MS1)

Source: W24B119-01

n-Butylbenzene	7639	ug/kg dry	41.7	1670	5845	107% (70-130)	02/13/24 :02/13/24	
sec-Butylbenzene	8591	ug/kg dry	41.7	1670	8092	30% (70-130)	02/13/24 :02/13/24	M4
tert-Butylbenzene	1342	ug/kg dry	41.7	1670	464.9	53% (70-130)	02/13/24 :02/13/24	M4
Carbon disulfide	3820	ug/kg dry	167	3340	ND	114% (70-130)	02/13/24 :02/13/24	
Carbon tetrachloride	1712	ug/kg dry	41.7	1670	ND	102% (70-130)	02/13/24 :02/13/24	
Chlorobenzene	1220	ug/kg dry	41.7	1670	325.5	54% (70-130)	02/13/24 :02/13/24	M4
Chloroethane	399.8	ug/kg dry	41.7	1670	ND	24% (70-130)	02/13/24 :02/13/24	L1
Chloroform	1798	ug/kg dry	41.7	1670	ND	108% (70-130)	02/13/24 :02/13/24	
Chloromethane	2023	ug/kg dry	83.5	1670	ND	121% (70-130)	02/13/24 :02/13/24	
2-Chlorotoluene	765.3	ug/kg dry	41.7	1670	ND	46% (70-130)	02/13/24 :02/13/24	M4
4-Chlorotoluene	948.1	ug/kg dry	41.7	1670	ND	57% (70-130)	02/13/24 :02/13/24	M4
1,2-Dibromo-3-chloropropane	1817	ug/kg dry	41.7	1670	ND	109% (70-130)	02/13/24 :02/13/24	
Dibromochloromethane	1625	ug/kg dry	41.7	1670	ND	97% (70-130)	02/13/24 :02/13/24	
1,2-Dibromoethane	1681	ug/kg dry	83.5	1670	ND	101% (70-130)	02/13/24 :02/13/24	
Dibromomethane	1794	ug/kg dry	41.7	1670	ND	107% (70-130)	02/13/24 :02/13/24	
1,2-Dichlorobenzene	1738	ug/kg dry	41.7	1670	ND	104% (70-130)	02/13/24 :02/13/24	
1,3-Dichlorobenzene	865.4	ug/kg dry	41.7	1670	ND	52% (70-130)	02/13/24 :02/13/24	M4
1,4-Dichlorobenzene	1664	ug/kg dry	41.7	1670	ND	100% (70-130)	02/13/24 :02/13/24	
Dichlorodifluoromethane	2030	ug/kg dry	41.7	1670	ND	122% (70-130)	02/13/24 :02/13/24	
1,1-Dichloroethane	1955	ug/kg dry	41.7	1670	ND	117% (70-130)	02/13/24 :02/13/24	
1,2-Dichloroethane	1639	ug/kg dry	41.7	1670	ND	98% (70-130)	02/13/24 :02/13/24	
1,1-Dichloroethene	1993	ug/kg dry	41.7	1670	ND	119% (70-130)	02/13/24 :02/13/24	
cis-1,2-Dichloroethene	1901	ug/kg dry	41.7	1670	ND	114% (70-130)	02/13/24 :02/13/24	
trans-1,2-Dichloroethene	1934	ug/kg dry	41.7	1670	ND	116% (70-130)	02/13/24 :02/13/24	
1,2-Dichloropropane	1955	ug/kg dry	41.7	1670	ND	117% (70-130)	02/13/24 :02/13/24	
1,3-Dichloropropane	1773	ug/kg dry	41.7	1670	ND	106% (70-130)	02/13/24 :02/13/24	
2,2-Dichloropropane	1803	ug/kg dry	41.7	1670	ND	108% (70-130)	02/13/24 :02/13/24	
1,1-Dichloropropene	2258	ug/kg dry	41.7	1670	ND	135% (70-130)	02/13/24 :02/13/24	M11
cis-1,3-Dichloropropene	1865	ug/kg dry	41.7	1670	ND	112% (70-130)	02/13/24 :02/13/24	
trans-1,3-Dichloropropene	1768	ug/kg dry	41.7	1670	ND	106% (70-130)	02/13/24 :02/13/24	
Ethylbenzene	1095	ug/kg dry	41.7	1670	156.1	56% (70-130)	02/13/24 :02/13/24	M4
Hexachlorobutadiene	1446	ug/kg dry	41.7	1670	ND	87% (70-130)	02/13/24 :02/13/24	V3
2-Hexanone	9329	ug/kg dry	417	8350	ND	112% (70-130)	02/13/24 :02/13/24	
Isopropylbenzene	5678	ug/kg dry	41.7	1670	4706	58% (70-130)	02/13/24 :02/13/24	M4
4-Isopropyltoluene	1495	ug/kg dry	41.7	1670	648.5	51% (70-130)	02/13/24 :02/13/24	M4
4-Methyl-2-pentanone (MIBK)	8449	ug/kg dry	417	8350	ND	101% (70-130)	02/13/24 :02/13/24	
Methylene chloride	1928	ug/kg dry	83.5	1670	ND	115% (70-130)	02/13/24 :02/13/24	
Naphthalene	2059	ug/kg dry	41.7	1670	356.4	102% (70-130)	02/13/24 :02/13/24	
n-Propylbenzene	8236	ug/kg dry	41.7	1670	8113	7% (70-130)	02/13/24 :02/13/24	M4

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Project: **NE Grand S/o NE Schuyler MCC** Client: **Coordinated Site Analysis**
Sewer Rehab
Work Order: **W24B119** Received: **02/13/24 12:38**

Volatile Organics - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Volatile Organic Compounds by GCMS - Batch B24B218

Matrix Spike (B24B218-MS1)

Source: W24B119-01

Styrene	958.9 ug/kg dry	41.7	1670	ND	57% (70-130)	02/13/24 :02/13/24	M4
1,1,1,2-Tetrachloroethane	881.3 ug/kg dry	41.7	1670	ND	53% (70-130)	02/13/24 :02/13/24	M4
1,1,2,2-Tetrachloroethane	4076 ug/kg dry	41.7	1670	ND	244% (70-130)	02/13/24 :02/13/24	M11
Tetrachloroethene	1985 ug/kg dry	41.7	1670	ND	119% (70-130)	02/13/24 :02/13/24	
Toluene	1869 ug/kg dry	41.7	1670	ND	112% (70-130)	02/13/24 :02/13/24	
1,2,3-Trichlorobenzene	1694 ug/kg dry	41.7	1670	ND	101% (70-130)	02/13/24 :02/13/24	M11
1,2,4-Trichlorobenzene	1757 ug/kg dry	41.7	1670	ND	105% (70-130)	02/13/24 :02/13/24	
1,1,1-Trichloroethane	1846 ug/kg dry	41.7	1670	ND	111% (70-130)	02/13/24 :02/13/24	
1,1,2-Trichloroethane	1713 ug/kg dry	41.7	1670	ND	103% (70-130)	02/13/24 :02/13/24	
Trichloroethene	1991 ug/kg dry	41.7	1670	ND	119% (70-130)	02/13/24 :02/13/24	
Trichlorofluoromethane	1804 ug/kg dry	41.7	1670	ND	108% (70-130)	02/13/24 :02/13/24	
1,2,3-Trichloropropane	16760 ug/kg dry	41.7	1670	ND	1000% (70-130)	02/13/24 :02/13/24	E
1,2,4-Trimethylbenzene	3406 ug/kg dry	41.7	1670	2563	50% (70-130)	02/13/24 :02/13/24	M4
1,3,5-Trimethylbenzene	893.0 ug/kg dry	41.7	1670	ND	53% (70-130)	02/13/24 :02/13/24	M4
Vinyl acetate	8902 ug/kg dry	83.5	6680	ND	133% (70-130)	02/13/24 :02/13/24	M11
Vinyl chloride	1930 ug/kg dry	41.7	1670	ND	116% (70-130)	02/13/24 :02/13/24	
m,p-Xylene	2205 ug/kg dry	83.5	3340	262.1	58% (70-130)	02/13/24 :02/13/24	M4
o-Xylene	1059 ug/kg dry	41.7	1670	150.2	54% (70-130)	02/13/24 :02/13/24	M4
Surrogate							
Dibromofluoromethane	47.5 ug/L		50.0		95% (80-120)	02/13/24 :02/13/24	
Toluene-d8	54.0 ug/L		50.0		108% (80-120)	02/13/24 :02/13/24	
4-Bromofluorobenzene	128 ug/L		50.0		255% (80-120)	02/13/24 :02/13/24	SU2

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Project: **NE Grand S/o NE Schuyler MCC** Client: **Coordinated Site Analysis**
Sewer Rehab
Work Order: **W24B119** Received: **02/13/24 12:38**

Semivolatile Organics - SIM - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Polynuclear Aromatic Hydrocarbons by GCMS-SIM - Batch B24B238

Blank (B24B238-BLK2)

Acenaphthene	ND	ug/kg wet	20					02/14/24 :02/14/24	
Acenaphthylene	ND	ug/kg wet	20					02/14/24 :02/14/24	
Anthracene	ND	ug/kg wet	20					02/14/24 :02/14/24	
Benzo(a)anthracene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Benzo(a)pyrene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Benzo(b)fluoranthene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Benzo(g,h,i)perylene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Benzo(k)fluoranthene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Chrysene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Dibenzo(a,h)anthracene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Fluoranthene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Fluorene	ND	ug/kg wet	20					02/14/24 :02/14/24	
Indeno(1,2,3-cd)pyrene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Naphthalene	ND	ug/kg wet	40					02/14/24 :02/14/24	
Phenanthrene	ND	ug/kg wet	20					02/14/24 :02/14/24	
Pyrene	ND	ug/kg wet	10					02/14/24 :02/14/24	
Surrogate									
2-Methylnaphthalene-d10	98	ug/kg wet		100		98% (31-129)		02/14/24 :02/14/24	
Fluoranthene-d10	100	ug/kg wet		100		100% (63-132)		02/14/24 :02/14/24	

LCS (B24B238-BS2)

Acenaphthene	72.4	ug/kg wet	20	80.0		90% (49-122)		02/14/24 :02/14/24	
Acenaphthylene	72.8	ug/kg wet	20	80.0		91% (51-123)		02/14/24 :02/14/24	
Anthracene	71.6	ug/kg wet	20	80.0		90% (62-115)		02/14/24 :02/14/24	
Benzo(a)anthracene	72.0	ug/kg wet	10	80.0		90% (63-112)		02/14/24 :02/14/24	
Benzo(a)pyrene	71.2	ug/kg wet	10	80.0		89% (62-117)		02/14/24 :02/14/24	
Benzo(b)fluoranthene	71.2	ug/kg wet	10	80.0		89% (53-117)		02/14/24 :02/14/24	
Benzo(g,h,i)perylene	67.2	ug/kg wet	10	80.0		84% (42-128)		02/14/24 :02/14/24	
Benzo(k)fluoranthene	68.8	ug/kg wet	10	80.0		86% (53-124)		02/14/24 :02/14/24	
Chrysene	72.0	ug/kg wet	10	80.0		90% (63-119)		02/14/24 :02/14/24	
Dibenzo(a,h)anthracene	72.8	ug/kg wet	10	80.0		91% (44-129)		02/14/24 :02/14/24	
Fluoranthene	73.6	ug/kg wet	10	80.0		92% (63-115)		02/14/24 :02/14/24	
Fluorene	64.0	ug/kg wet	20	80.0		80% (58-113)		02/14/24 :02/14/24	
Indeno(1,2,3-cd)pyrene	68.0	ug/kg wet	10	80.0		85% (46-127)		02/14/24 :02/14/24	
Naphthalene	72.8	ug/kg wet	40	80.0		91% (37-118)		02/14/24 :02/14/24	
Phenanthrene	72.4	ug/kg wet	20	80.0		90% (49-119)		02/14/24 :02/14/24	
Pyrene	73.2	ug/kg wet	10	80.0		92% (63-117)		02/14/24 :02/14/24	
Surrogate									
2-Methylnaphthalene-d10	100	ug/kg wet		100		100% (31-129)		02/14/24 :02/14/24	
Fluoranthene-d10	98	ug/kg wet		100		98% (63-132)		02/14/24 :02/14/24	

Reported: 02/15/24 10:06

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City of Portland
Water Pollution Control Laboratory

6543 N. Burlington Ave. / Portland OR 97203 (503) 823-5600 fax (503) 823-5656
ORELAP Certification ID 4023



Project: **NE Grand S/o NE Schuyler MCC** Client: **Coordinated Site Analysis**
Sewer Rehab
Work Order: **W24B119** Received: **02/13/24 12:38**

Semivolatile Organics - SIM - QC

Analyte	Result	Units	MRL	Spike Level	Source Result	%Rec (Limits)	RPD (Limit)	Prepared: Analyzed	Qualifier
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Polynuclear Aromatic Hydrocarbons by GCMS-SIM - Batch B24B238

Duplicate (B24B238-DUP1)		Source: W24B119-01							
Acenaphthene	ND	ug/kg dry	55		ND	(30)		02/14/24 :02/14/24	
Acenaphthylene	ND	ug/kg dry	55		ND	(30)		02/14/24 :02/14/24	
Anthracene	ND	ug/kg dry	55		ND	(30)		02/14/24 :02/14/24	
Benzo(a)anthracene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Benzo(a)pyrene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Benzo(b)fluoranthene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Benzo(g,h,i)perylene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Benzo(k)fluoranthene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Chrysene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Dibenzo(a,h)anthracene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Fluoranthene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Fluorene	ND	ug/kg dry	55		ND	(30)		02/14/24 :02/14/24	
Indeno(1,2,3-cd)pyrene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Naphthalene	ND	ug/kg dry	110		153	(30)		02/14/24 :02/14/24	
Phenanthrene	ND	ug/kg dry	55		ND	(30)		02/14/24 :02/14/24	
Pyrene	ND	ug/kg dry	27		ND	(30)		02/14/24 :02/14/24	
Surrogate									
2-Methylnaphthalene-d10	120	ug/kg dry		137		90% (31-129)		02/14/24 :02/14/24	
Fluoranthene-d10	140	ug/kg dry		137		101% (63-132)		02/14/24 :02/14/24	

Matrix Spike (B24B238-MS1)		Source: W24B119-01							
Acenaphthene	245	ug/kg dry	55	273	ND	90% (49-122)		02/14/24 :02/14/24	
Acenaphthylene	256	ug/kg dry	55	273	ND	94% (51-123)		02/14/24 :02/14/24	
Anthracene	242	ug/kg dry	55	273	ND	88% (62-115)		02/14/24 :02/14/24	
Benzo(a)anthracene	244	ug/kg dry	27	273	ND	89% (63-112)		02/14/24 :02/14/24	
Benzo(a)pyrene	234	ug/kg dry	27	273	ND	86% (62-117)		02/14/24 :02/14/24	
Benzo(b)fluoranthene	236	ug/kg dry	27	273	ND	86% (53-117)		02/14/24 :02/14/24	
Benzo(g,h,i)perylene	222	ug/kg dry	27	273	ND	81% (42-128)		02/14/24 :02/14/24	
Benzo(k)fluoranthene	222	ug/kg dry	27	273	ND	81% (53-124)		02/14/24 :02/14/24	
Chrysene	243	ug/kg dry	27	273	ND	89% (63-119)		02/14/24 :02/14/24	
Dibenzo(a,h)anthracene	239	ug/kg dry	27	273	ND	88% (44-129)		02/14/24 :02/14/24	
Fluoranthene	250	ug/kg dry	27	273	ND	92% (63-115)		02/14/24 :02/14/24	
Fluorene	225	ug/kg dry	55	273	ND	82% (58-113)		02/14/24 :02/14/24	
Indeno(1,2,3-cd)pyrene	237	ug/kg dry	27	273	ND	87% (46-127)		02/14/24 :02/14/24	
Naphthalene	298	ug/kg dry	110	273	153	53% (37-118)		02/14/24 :02/14/24	
Phenanthrene	260	ug/kg dry	55	273	ND	95% (49-119)		02/14/24 :02/14/24	
Pyrene	253	ug/kg dry	27	273	ND	92% (63-117)		02/14/24 :02/14/24	
Surrogate									
2-Methylnaphthalene-d10	130	ug/kg dry		137		98% (31-129)		02/14/24 :02/14/24	
Fluoranthene-d10	130	ug/kg dry		137		94% (63-132)		02/14/24 :02/14/24	

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Project:	NE Grand S/o NE Schuyler MCC Sewer Rehab	Client:	Coordinated Site Analysis
Work Order:	W24B119	Received:	02/13/24 12:38

Qualifiers

D4 Reporting limit is raised for this analyte due to non-target matrix interference.

E Sample result exceeded the calibration range for the analyte.

F0 Identified product appears to be mineral spirits.

F0a Identified product appears to be mineral spirits.

F11 Sample aliquot for volatiles analysis was sub-sampled from a sample container. The sub-sampled aliquot was preserved with methanol within 48 hours of sampling.

F3 Result for diesel-range hydrocarbons is primarily due to overlap from gasoline range.

L1 Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.

M1 Matrix duplicate precision measurement indicates non-homogeneous sample matrix. Sample result should be considered an estimate.

M11 Matrix spike recovery for this analyte was high; the analyte was not detected in the sample and results are not affected.

M25 Analyte was detected in the duplicate of this sample.

M4 Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.

SU2 Recovery for one or more surrogate compounds was outside the acceptance range (high). Sample results may be high estimates.

V3 Continuing calibration verification was low; sample results for this analyte may be low estimates.

Definitions

DET	Analyte Detected	ND	Analyte Not Detected at or above the reporting limit
MRL	Method Reporting Limit	MDL	Method Detection Limit
NR	Not Reportable	dry	Sample results reported on a dry weight basis
% Rec.	Percent Recovery	RPD	Relative Percent Difference
*	This analyte is not certified under NELAP		

Reported: 02/15/24 10:06

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Date: 2/13/24

Lab Work Order #: W24B119

Collected By: THM, BLN

Contact Info: 3-1144

Project Number (if applicable): E 11499.0

Project Name: NE Grand S/O Schuyler Sewer Rehab

CSA Contact Name: Bethany Nabhan

Requested Analyses

Lab Number	Follow-up Tests:					Requested Analysis												Turn-Around-Time Request:		
	Sample Name	Sample Date	Sample Time	Sample Type	Sample Matrix	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	PCB Aroclors (low-level)	PAHs	Priority Pollutant 13 Metals	RCRA 8 Metals	Total Metals	(As, Cd, Cr, Cu, Pb, Hg, Zn)	Total Metals (Cd, Cr, Pb)	VOCs	TOC	HOLD	# of Containers	Remarks
01	Tank N. lft	2/3/24	11:50	G	S	•	•								•	•			3	

Sample Matrix - DI = DI Water, G = Gas, GW = Groundwater, IWW = Industrial Wastewater, MWW = Municipal Wastewater, PC = Paint Chips, SED = Sediment, SL = Soil, STW = Stormwater, SFW = Surface water

Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature: <i>Bethany Nathan</i>	Date: <i>2/13/24</i>	Signature: <i>Butt Clark</i>	Date: <i>2/13/24</i>	Signature:	Date:	Signature:	Date:
Printed Name: <i>Bethany Nathan</i>	Time: <i>12:38</i>	Printed Name: <i>Butt Clark</i>	Time: <i>12:38</i>	Printed Name:	Time:	Printed Name:	Time:

WPCL Cooler Receipt Form

Work Order Number: W24B119 Cooler Receipt Form Filled Out By: MC

Project: NE Grand S/o Schuyler Sewer Rehab

Received on ice: YES NO (circle one) [If directly from field, indicate here: _____]

Sample(s) Received From: CBWTP fridge _____ Client ✓ Courier _____ SR fridge _____

Temperature (°C): 12

	Yes	No	N/A
Is the COC present and signed?	<u>✓</u>		
Are sample bottles intact?	<u>✓</u>		
Do the COC and sample labels match?	<u>✓</u>		
Are the appropriate containers used?	<u>✓</u>		
Are samples appropriately preserved?			<u>✓</u>
Are VOA vials completely filled (zero Headspace)?			<u>✓</u>
Are alkalinity bottles completely filled (zero Headspace)? Note if filled in lab.			<u>✓</u>
Are samples received within holding times (except for pH and residual chlorine)?	<u>✓</u>		

Pres. #	Preservative	LIMS ID	Standard Preservation Amounts
1	HNO ₃ (1:1) to pH <2		0.5mL/250mL; 1.0mL/500mL; 4-5 drops/50mL centrifuge tube
2	H ₂ SO ₄ (18N) to pH <2		0.4mL/250mL; 0.8mL/500mL ; 1.6mL/1000mL
3	HCl (1:1) to pH <2		2.0mL/500mL; 4.0mL/1000mL
4	HCl (1:1) to pH 2-3		For TOC: 2-5 drops/250mL
5	NaOH to pH >12		4-10 pellets/500mL; 4 mL 10N/1000mL

Date	Time	Analyst	Sample LIMS ID	Bottle ID	Pres. #	Comments

Comments: _____

