AEROTECH
Environmental Solutions Inc.

1911 SW Campus Drive #542
Federal Way, WA 98023
(206) 482-2287

August 25, 2025

Mr. Mike Pearson
Pearson Metal Salvage
10403 Portland Avenue East
Tacoma, Washington 98445

RE: Environmental Summary
Former Modutech Marine
2218 Marine View Drive
Tacoma, Washington 98422

Dear Mr. Pearson,

As you are aware, Aerotech Environmental Solutions, Inc. (AES) has been retained to perform environmental assessment and remediation activities at the Subject Site, the Former Modutech Marine facility located at 2218 Marine View Drive, Tacoma, Washington. The purpose of this letter is to briefly summarize these activities and provide an overview of what actions will be taken next.

In January 2018, Aerotech Environmental Consulting, Inc. (AEC) conducted a Phase I Environmental Site Assessment while the Swindahl family were attempting to refinance the subject Property. While AEC did not identify any new issues to be addressed, during the document review, reports produced by the Washington Department of Ecology (Ecology) in 1991 and 1992 were discovered detailing the intentional burying of "sandblast grit" at various locations along the shoreline. Ecology was concerned about the metals contained within boat bottom paint that were most likely present in the buried sandblast grit. In 2009, Riley Group performed a Phase II, however a very limited number of samples were collected and only one was collected in the vicinity of buried sandblast grit.

In March, April and June 2018, AEC was contracted by the Swindahls to characterize the presence of metals in soil and/or groundwater at the subject site. AEC oversaw the advancement of soil borings at 37 locations with four (4) locations completed as groundwater monitoring wells (MW1-MW4). Aerotech identified three (3) separate locations that contained lead and arsenic above the MTCA Method A Cleanup Levels: Northern Storage Yard, Southwest of the Office Building and West of the Southern Portion of the Warehouse Building. Each exceedance was delineated vertically and laterally (clean samples were collected laterally and beneath the exceedances).

AEC and Modutech Marine then entered Ecology's Voluntary Cleanup Program (VCP) and was assigned Chris Maurer as an Ecology Project Manager. Mr. Maurer agreed that we successfully delineated and agreed that we should continue quarterly groundwater sampling. Mr. Maurer also suggested testing the salinity content in the samples to see if we could classify the groundwater as non-potable. AEC followed through with this request and the groundwater was in-fact considered non-potable. Since the metal exceedances in soil did not appear to be leaching to groundwater, which is

called empirical demonstration, Mr. Maurer suggested we enter Environmental Covenant preparation. This meant that the soils DID NOT need to be excavated, however, the areas with exceedances would require a protective "cap". Typically, Sites are simply paved but since the Site was so large and it was cost-prohibitive for the Swindahls, he offered an alternative of adding additional soil and compacted gravel.

Before a soil cap was installed, Mr. Maurer asked that AEC sample the upper 2 feet of soil to determine the depth at which exceedances began. He claimed that a minimum 2-ft of "clean" soil would need to be atop the shallowest exceedance. AEC proposed another shallow Phase II Site Assessment to determine the amount of soil needed for the cap but this is where work ceased. The Swindahls could not fund any more work from this point. We continued updating Mr. Maurer through 2022 and delayed the removal of the Site from Ecology's VCP due to inaction.

In December 2024, AEC was engaged by Pearson Metal Salvage to review the Site and to help determine what steps needed to be taken to achieve a No Further Action status with Ecology. AEC engaged the VCP Program Manager for the Southwest Region at Ecology, Tim Mullin, for conversations about what else would be required. We were informed that since Modutech was removed from the VCP, we would be at the discretion of the new Project Manager. Mr. Mullin shared his concerns about further oil contamination (NOTE: In 2018, AEC observed oil in some samples, had them analyzed, but the concentrations were below the MTCA Method A Cleanup Levels). In response, AEC conducted another Phase II in January 2025 to characterize any oil exceedances in the Northern Equipment Storage Area.

Exceedances were observed in the Northern Equipment Storage Area (SB38) and the oil was identified as hydraulic oil by the laboratory. Elevated oil concentrations were also observed in the vicinity of groundwater monitoring well MW4. AEC and Pearson then submitted the resultant report to Ecology and re-entered the Site into the VCP. Joe Hunt was assigned as the new Ecology Project Manager.

Mr. Hunt reviewed the Site file and was not in complete agreement with Mr. Maurer's (former VCP PM) opinion on the characterization of the Site. He suggested that we advance soil borings in other areas of the Site and test for chemicals related to marine/ship building activities. He also suggested we investigate in the vicinity of the oil storage/stormwater treatment area in the extreme south of the Property.

In June 2025, Aerotech Environmental Solutions, Inc. (AES) conducted a Phase II: Ecology Response Assessment to satisfy the items conveyed by Mr. Hunt. Aerotech advanced soil borings in the vicinity of the Warehouse Building, the Oil Storage/Stormwater Treatment Area and the remainder of the shoreline. None of the new chemicals were detected in soil or groundwater above the applicable cleanup levels. Oil exceedances were present on the shoreline, 25-ft from the exceedance from B38 (January Phase 2). This was exceedance was expected and was simply a confirmation that the contamination extended to the shoreline. Additionally, an oil exceedance was discovered next to the Stormwater Catch Basin to the South. No new chemicals of concern were discovered during this Assessment.

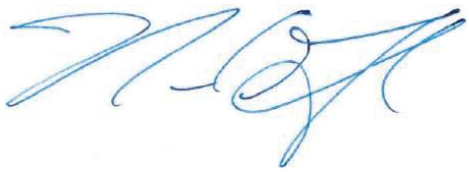
Currently, AES is attempting to gain access to the City of Tacoma Stormwater Pumping Station adjacent to the subject Property to the north for the purposes of sampling a groundwater monitoring well. Historically, the groundwater contained an exceedance for oil. Once we gain access, I will also sample the on-Property wells and submit all samples to the laboratory. The data will be incorporated

into a final report, which will be submitted to the VCP. A Work Plan for excavating soils above the applicable cleanup levels will also be included in the submittal.

The anticipated next steps include Excavation of all accessible soils containing exceedances including the Northern Equipment Storage Area and in the Vicinity of the Stormwater Treatment Area. The Northern Equipment Storage Area is anticipated to be 3,000 cubic yards in volume removed to a depth of 15-ft with approximately half of the soil to be reused as fill. The initial extent is bound by the following locations: B24, B30, B31, B39, B40, and beyond B41 to the south. Following excavation activities, a groundwater monitoring well network will be installed on the Property, which will require four quarters of sampling events.

Please feel free to contact the Aerotech Environmental Solutions, Inc. Principal Environmental Scientist, Mr. Nicholas Gerkin at (206) 482-2287 if you have any questions regarding work completed at this Site.

Sincerely,



Nick Gerkin
President
Principal Environmental Scientist

APPENDIX

- Tables & Figures
- Laboratory Analytical Report
- Standard Operating Procedures

- Tables & Figures

N

TACOMA PUMP STATION 4103

B1
Tacoma

SB37 SB01

SP4

SB35
W-TPH

SB36

SB34

SB02

Stormwater Outfall

SB39 SB33

SB31 SB30

SB38
10-TPHo
W-TPHo

SB24

SB25 SB32

SB47
12,TPHd
15
W-TPHd

SB19 SB40

SB29

SB03

MW4
W-TPH

SB18

SB41
W-TPH

SB17

SB49

SB06

MW1

SB26

SB05

SB04

MW3
SB07

SB20 SB27

SB28

SB42

SB21

SB23

SB08

SB48

SB43

SB09

SB11

MW2

SB10

SB12

SB22

SB44

SB16

SP3

SB13

SB14

SB45

HAZ

SB15

SP1

LUBE OIL

SP2

6-TPHg,TPH,As
10

WASTE OIL
SB46

3,000 yd3
TD = 15-ft

Approximately 1/2 to be disposed of

0 45 90
SCALE (feet)

- Green numbers and symbols indicate concentrations below the MTCA Method A Cleanup Levels
- Red numbers and symbols indicate concentrations above the MTCA Method A Cleanup Levels
- Gray numbers and symbols indicate that there is not data available for that location
- Black numbers and symbols indicate concentrations previously above the MTCA Method A Cleanup Levels that have been subsequently confirmed below the Method A Cleanup Level

EXPLANATION

MW4 — Groundwater Monitoring Well Location

SB47 — Soil Boring Location

Property Boundary

Proposed Excavation Area

Concrete Shoreline Fill

Sewer
Water
Communications
Gas
Electrical

AEROTECH ENVIRONMENTAL CONSULTING

PROPOSED ECY RESPONSE LOCATIONS

Modutech Marine
2218 Marine View Drive
Tacoma, Washington

Date: 07/18/25

By: Nick Gerkin

Figure: 1

TABLE 1

SOIL ANALYTICAL RESULTS - Petroleum, cPAHs, PCBs Metals

Modutech Marine

2218 Marine View Drive

Tacoma, Washington

The Riley Group, Inc. - *Focused Phase II Subsurface Investigation* - November 10, 2009

Sample ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes	cPAHs	PCBs	Arsenic	Lead	Chromium	Cadmium	Mercury
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP1-1	SP1	10/21/09	1	--	--	--	--	--	--	--	0.0564 (ND)	--	--	--	--	--	--
SP1-3.5	SP1	10/21/09	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP2-0.5	SP2	10/21/09	0.5	--	--	--	--	--	--	--	--	--	<5.0	<5.0	6	<1.0	<0.5
SP2-4	SP2	10/21/09	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP3-1	SP3	10/21/09	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP3-3	SP3	10/21/09	3	--	--	--	--	--	--	--	--	--	<5.0	<5.0	14	<1.0	<0.5
SP4-1	SP4	10/21/09	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP4-3	SP4	10/21/09	3	--	--	--	--	--	--	--	--	<0.10	<5.0	<5.0	--	<1.0	--
MTCA Method A Industrial Cleanup Levels				30	2,000*		0.03	7	6	9	2^	10	20	1000	2,000/19#	2	2

Aerotech Environmental Consulting, Inc. - *Site Characterization Report* - April 19, 2018 & July 20, 2018

Sample ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes	cPAHs	PCBs	Arsenic	Lead	Chromium	Cadmium	Mercury
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SB01@3'	SB01	03/08/18	3	--	--	--	--	--	--	--	--	--	2.2	5.4	2.0	<1.0	<0.5
SB02@4'	SB02	03/08/18	4	--	--	--	--	--	--	--	--	--	2.9	5.0	2.0	<1.0	<0.5
SB02A(4)	SB02	06/29/18	4	--	<20	<50	--	--	--	--	--	--	--	--	--	--	--
SB02A(8)	SB02	06/29/18	8	--	<20	<50	--	--	--	--	--	--	2.2	2.9	--	--	--
SB02A(12)	SB02	06/29/18	12	--	<20	<50	--	--	--	--	--	--	--	--	--	--	--
SB03@4'	SB03	03/08/18	4	--	--	--	--	--	--	--	--	--	7.0	**1,100**	18	<1.0	<0.5
SB03A(8)	SB03	03/28/18	8	--	--	--	--	--	--	--	--	--	<1.0	50	--	--	--
SB04@3'	SB04	03/08/18	3	--	--	--	--	--	--	--	--	--	<1.0	6.2	2.0	<1.0	<0.5
SB04A(8)	SB04	04/02/18	8	--	--	--	--	--	--	--	--	--	1.5	27	--	--	--
SB05@4'	SB05	03/08/18	4	--	--	--	--	--	--	--	--	--	19	210	4.0	1.6	<0.5
SB06@4'	SB06	03/08/18	4	--	--	--	--	--	--	--	--	--	1.7	67	2.1	<1.0	<0.5
SB07@4'	SB07	03/08/18	4	--	--	--	--	--	--	--	--	--	**45**	16	3.1	<1.0	<0.5
SB07A(8)	SB07	03/28/18	8	--	--	--	--	--	--	--	--	--	**38**	25	--	--	--
SB07B(12)	SB07	04/02/18	12	--	--	--	--	--	--	--	--	--	1.3	1.4	--	--	--
SB08@4'	SB08	03/08/18	4	--	--	--	<0.020	<0.050	<0.050	<0.050	--	--	**31**	20	3.2	<1.0	<0.5
SB08A(8)	SB08	03/28/18	8	--	--	--	--	--	--	--	--	--	**32**	30	--	--	--
SB08B(12)	SB08	04/02/18	12	--	--	--	--	--	--	--	--	--	17	30	--	--	--
SB09@4'	SB09	03/08/18	4	--	--	--	--	--	--	--	--	--	9.1	160	12	<1.0	<0.5
SB10@4'	SB10	03/08/18	4	--	--	--	--	--	--	--	--	--	4.7	25	4.6	<1.0	<0.5
SB11@4'	SB11	03/08/18	4	--	--	--	--	--	--	--	--	--	**39**	97	5.9	<1.0	<0.5
SB11A(8)	SB11	03/28/18	8	--	--	--	--	--	--	--	--	--	1.2	7.7	--	--	--
SB12@4'	SB12	03/08/18	4	--	--	--	--	--	--	--	--	--	17	490	9.2	<1.0	<0.5
SB12A(8)	SB12	03/28/18	8	--	--	--	--	--	--	--	--	--	9	290	--	--	--
SB12B(12)	SB12	03/08/18	12	--	--	--	--	--	--	--	--	--	10	15	--	--	--
SB13@4'	SB13	03/08/18	4	--	--	--	--	--	--	--	--	--	11	220	5.9	<1.0	<0.5
SB14@4'	SB14	03/08/18	4	--	--	--	--	--	--	--	--	--	6.1	4.8	1.3	<1.0	<0.5
SB15@4'	SB15	03/08/18	4	--	--	--	--	--	--	--	--	--	3.4	23	4.5	<1.0	<0.5
SB16@4'	SB16	03/08/18	4	--	--	--	--	--	--	--	--	--	14	40	6.2	<1.0	<0.5
SB17(4)	SB17	03/28/18	4	--	--	--	--	--	--	--	--	--	1.4	290	--	--	--
SB17(8)	SB17	03/28/18	8	--	--	--	--	--	--	--	--	--	<1.0	33	--	--	--
SB18(4)	SB18	03/28/18	4	--	--	--	--	--	--	--	--	--	<1.0	3.2	--	--	--
MTCA Method A Industrial Cleanup Levels				30	2,000*		0.03	7	6	9	2^	10	20	1000	2,000/19#	2	2

TABLE 1
SOIL ANALYTICAL RESULTS - Petroleum, cPAHs, PCBs Metals
Modutech Marine
2218 Marine View Drive
Tacoma, Washington

nmental Consulting, Inc. - *Site Charaterization Report* - April 19, 2018 & July 20, 2018 (continued)

	Soil Boring/Point Well ID	Sampling Date	Sample Depth	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes	cPAHs	PCBs	Arsenic	Lead	Chromium	Cadmium	Mercury
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	SB18	03/28/18	8	--	--	--	--	--	--	--	--	--	<1.0	6.7	--	--	--
	SB19	03/28/18	4	--	--	--	--	--	--	--	--	--	17	850	--	--	--
	SB19	03/28/18	8	--	--	--	--	--	--	--	--	--	1.6	33	--	--	--
	SB19	06/29/18	8	--	<20	<50	--	--	--	--		--	<1.0	34	--	--	--
	SB19	06/29/18	12	--	<20	<50	--	--	--	--	0.0705 (ND)	--	<1.0	4.1	--	--	--
	SB20	03/28/18	4	--	--	--	--	--	--	--	--	--	**22**	13	--	--	--
	SB20	03/28/18	8	--	--	--	--	--	--	--	--	--	1.9	18	--	--	--
	SB21	03/28/18	4	--	--	--	--	--	--	--	--	--	14	11	--	--	--
	SB21	03/28/18	8	--	--	--	--	--	--	--	--	--	3.8	24	--	--	--
	SB22	03/28/18	4	--	--	--	--	--	--	--	--	--	5.9	38	--	--	--
	SB22	03/28/18	8	--	--	--	--	--	--	--	--	--	4.7	9.2	--	--	--
	SB23	03/28/18	4	--	--	--	--	--	--	--	--	--	2.4	91	--	--	--
	SB23	03/28/18	8	--	--	--	--	--	--	--	--	--	1.3	7.6	--	--	--
	SB24	04/02/18	4	--	--	--	--	--	--	--	--	--	<1.0	2.7	--	--	--
	SB24	04/02/18	8	--	--	--	--	--	--	--	--	--	11	12	--	--	--
	SB24	06/29/18	12	--	<20	<50	--	--	--	--	--	--	1.3	1.6	--	--	--
	SB24	06/29/18	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SB25	04/02/18	4	--	--	--	--	--	--	--	--	--	2.0	4.3	--	--	--
	SB25	04/02/18	8	--	--	--	--	--	--	--	--	--	**27**	260	--	--	--
	SB25	06/29/18	8	--	<20	**1,600**	--	--	--	--	--	--	--	--	--	--	--
	SB25	06/29/18	12	--	<20	**1,600**	--	--	--	--	**1.114**	--	**21**	**3,300**	--	--	--
	SB25	06/29/18	16	--	--	--	--	--	--	--	0.0705 (ND)	--	3.8	32	--	--	--
	SB26	04/02/18	4	--	--	--	--	--	--	--	--	--	4.3	470	--	--	--
	SB26	04/02/18	8	--	--	--	--	--	--	--	--	--	1.6	26	--	--	--
	SB27	04/02/18	4	--	--	--	--	--	--	--	--	--	**31**	170	--	--	--
	SB27	04/02/18	8	--	--	--	--	--	--	--	--	--	2.0	19	--	--	--
	SB28	04/02/18	4	--	--	--	--	--	--	--	--	--	<1.0	3.8	--	--	--
	SB29	06/29/18	4	--	--	--	--	--	--	--	--	--	<1.0	10	--	--	--
	SB29	06/29/18	8	--	--	--	--	--	--	--	--	--	2.8	2.2	--	--	--
	SB29	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SB30	06/29/18	4	--	--	--	--	--	--	--	--	--	2.1	30	--	--	--
	SB30	06/29/18	8	--	<20	<50	--	--	--	--	--	--	3.5	8.4	--	--	--
	SB30	06/29/18	12	--	<20	<50	--	--	--	--	0.0705 (ND)	--	<1.0	2.4	--	--	--
	SB30	06/29/18	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SB31	06/29/18	4	--	<20	<50	--	--	--	--	--	--	**90**	19	--	--	--
	SB31	06/29/18	8	--	<20	<50	--	--	--	--	0.0705 (ND)	--	**21**	21	--	--	--
	SB31	06/29/18	12	--	**44**	<50	--	--	--	--	**0.1065**	--	1.6	20	--	--	--
	SB31	06/29/18	16	--	<20	<50	--	--	--	--	--	--	--	--	--	--	--
	SB32	06/29/18	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

SOIL ANALYTICAL RESULTS - Petroleum, cPAHs, PCBs Metals

Modutech Marine

2218 Marine View Drive

Tacoma, Washington

nmental Consulting, Inc. - *Phase II Northern Oil Delineation* - February 13, 2025

	Soil Boring/Point Well ID	Sampling Date	Sample Depth	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes	cPAHs	PCBs	Arsenic	Lead	Chromium	Cadmium	Mercury
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	SB34	01/23/25	10	--	<63.1	**328**	--	--	--	--	--	--	--	--	--	--	--
	SB35	01/23/25	9	--	<57.8	<116	--	--	--	--	--	--	--	--	--	--	--
	SB36	01/23/25	7.5	--	<57.6	<115	--	--	--	--	--	--	--	--	--	--	--
	SB37	01/23/25	9	--	<54.3	<109	--	--	--	--	--	--	--	--	--	--	--
	SB38	01/23/25	10	--	**<667**	**18,300**	--	--	--	--	--	--	--	--	--	--	--
	SB39	01/23/25	9	--	<60.3	<121	--	--	--	--	--	--	--	--	--	--	--
	SB40	01/23/25	8	--	<65.1	<130	--	--	--	--	--	--	--	--	--	--	--
	SB41	01/23/25	11	--	<59.4	<119	--	--	--	--	--	--	--	--	--	--	--
CA Method A Industrial Cleanup Levels				30	2,000*		0.03	7	6	9	2^	10	20	1000	2,000/19[#]	2	2

nmental Solutions, Inc. - *Additional Site Characterization - Response to Ecology Opinion,* July 18, 2025

	Soil Boring/Point Well ID	Sampling Date	Sample Depth	TPHg	TPHd	TPHo	Benzene	Toluene	Ethyl-benzene	Total Xylenes	cPAHs	PCBs	Arsenic	Lead	Chromium	Cadmium	Mercury
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	SB42	06/23/25	7	--	--	--	<0.0152	<0.0317	<0.0317	<0.0951	--	--	--	--	--	--	--
	SB43	06/23/25	5	--	--	--	<0.0127	<0.0265	<0.0265	<0.0795	--	--	--	--	--	--	--
	SB44	06/23/25	7	--	--	--	<0.0130	<0.0271	<0.0271	<0.0712	--	--	--	--	--	--	--
	SB45	06/23/25	5	<7.34	<55.4	<111	<0.0176	<0.0367	<0.0367	<0.1101	0.0164 (ND)	<0.0233	**1.16**	**1.45**	**11.6**	**0.0502**	--
	SB46	06/23/25	6	**89.9[$]**	**1,030+**	**4,880+**	<0.0134	<0.0279	<0.0279	<0.0836	0.0164 (ND)	**2.33**	**23.5**	**42.5**	**24.6**	**0.346**	--
	SB46	06/23/25	10	--	<80.8	<162	--	--	--	--	--	<0.0327	--	--	--	--	--
	SB47	06/23/25	11	**6.28[1]**	**2,940**	**<137**	<0.0127	<0.0264	**0.0579**	<0.0791	**0.7099**	**2.26**	**16.2**	**714**	**63.2**	**15.6**	--
	SB47	06/23/25	15	--	<58.9	**140**	--	--	--	--	0.0161 (ND)	--	--	--	--	--	--
CA Method A Industrial Cleanup Levels				30	2,000*		0.03	7	6	9	2^	10	20	1,000	2,000/19[#]	2	2

c Control Act Cleanup Level (WAC173-340-900)

d Surface mg/kg = milligram of analyte per kilogram of soil

indicated Laboratory Detection Limits -- = not analyzed

Chromium and Lead by EPA Method 7010

Mercury by EPA Method 7471

nic Polycyclic Aromatic Hydrocarbons by 8270C or 8270 SIM

PCBs by EPA Method 8082

d 8260B

ND = Not Detected (minimum detection limit unknown)

d red-shaded cells denote concentrations above the MTCA Method A Cleanup Levels for soil

e Department of Ecologyl requires adding the laboratory concentrations of TPHd and TPHo for each sample. The resulting sum is then compared to this Cleanup Level

is the sum of Chromium(III) & Chromium(VI). Cleanup Levels are 2,000 and 19 mg/kg, respectively

ic pattern indicates a continuous distribution of material divided into diesel and oil by carbon range

subject to carryover from a previous injection. Result may be high biased

ic pattern indicates a material consistent with weathered gasoline or stoddard solvent

ere calculated using the toxic equivalent concentration factors from Table 708-1. Since PAHs have been observed, 0.5x MDL of each constituent PAH was used for the calculation

no cPAHs were detected, 1/2 of the reporting limit was used to calculate the result value

TABLE 2

cPAH TOXIC EQUIVALENCY FACTOR CALCULATIONS - SOIL

Modutech Marine
2218 Marine View Drive
Tacoma, Washington

nvironmental Solutions, Inc. - *Additional Site Characterization - Response to Ecology Opinion,* July 18, 2025

e ID	Date	Consultant	PQL/MDL/RL	Benzo(a) pyrene	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo (a,h)anthracene	Ideno (1,2,3cd) pyrene	PAHs
s				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	(TEF)
y Factor				1	0.1	0.1	0.1	0.01	0.1	0.1	(TEF)
1	10/21/09	Riley Group	0.08	0.0400	0.0400	0.0400	0.0400	0.0400	0	0.0400	0.0564
(12)	06/29/18	Aerotech EC	0.10	0.05	0.05	0.05	0.05	0.05	0	0.05	0.0705
(12)	06/29/18	Aerotech EC	0.10	0.05	**1.5**	**8.9**	0.05	**1.4**	0	0.05	**1.114**
(16)	06/29/18	Aerotech EC	0.10	0.05	0.05	0.05	0.05	0.05	0	0.05	0.0705
12)	06/29/18	Aerotech EC	0.10	0.05	0.05	0.05	0.05	0.05	0	0.05	0.0705
(8)	06/29/18	Aerotech EC	0.10	0.05	0.05	0.05	0.05	0.05	0	0.05	0.0705
12)	06/29/18	Aerotech EC	0.10	0.05	**0.14**	**0.31**	0.05	**0.15**	0	0.05	**0.1065**
(5)	06/23/25	Aerotech ES	0.0232	0.01160	0.01160	0.01160	0.01160	0.01160	0	0.01160	0.0164
(6)	06/23/25	Aerotech ES	0.0232	0.01160	0.01160	0.01160	0.01160	0.01160	0	0.01160	0.0164
11)	06/23/25	Aerotech ES	0.0283	**0.51600**	**0.38100**	**0.87900**	**0.22500**	**0.86800**	0	**0.36700**	**0.7099**
15)	06/23/25	Aerotech ES	0.0229	0.01145	0.01145	0.01145	0.01145	0.01145	0	0.01145	0.0161
MTCA Method A Industrial Cleanup Level											2.0

TION

odel Toxics Control Act

w Ground Surface mg/kg = milligram of analyte per kilogram of soil

rcenogenic Polycyclic Aromatic Hydrocarbons; analyzed with gas chromatography–mass spectrometry by United States

vironmental Protection Agency Method 8270 Selected Ion Monitoring

nbers and red-shaded cells denote concentrations above risk-based concentration

If the analyte was ND but observed elsewhere at the Site, then half MRL/PQL/RL Value Entered

If the analyte was ND across the Site, then zero was entered as the If the analyte was ND across the Site, then zero was entered as the concentration value

TABLE 3
SOIL ANALYTICAL RESULTS - Additional VOCs
Modutech Marine
2218 Marine View Drive
Tacoma, Washington

oup, Inc. - *Focused Phase II Subsurface Investigation* - November 10, 2009

ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	Vinyl Chloride	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE	MEK	Methyl Methacrylate	Methylene Chloride	MIBK	Styrene	TCA
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1	SP1	10/21/09	1	--	--	--	--	--	--	--	--	--	--	--	--
5	SP1	10/21/09	3.5	--	--	--	--	--	--	--	--	--	--	--	--
5	SP2	10/21/09	0.5	--	--	--	--	--	--	--	--	--	--	--	--
4	SP2	10/21/09	4	--	--	--	--	--	--	--	--	--	--	--	--
1	SP3	10/21/09	1	--	--	--	--	--	--	--	--	--	--	--	--
3	SP3	10/21/09	3	--	--	--	--	--	--	--	--	--	--	--	--
1	SP4	10/21/09	1	--	--	--	--	--	--	--	--	--	--	--	--
3	SP4	10/21/09	3	--	--	--	--	--	--	--	--	--	--	--	--
MTCA Method A Industrial Cleanup Levels				--	--	--	--	0.03	0.05	--	--	0.02	--	--	2.0

vironmental Consulting, Inc. - *Site Characterization Report* - April 19, 2018 & July 20, 2018

ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	Vinyl Chloride	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE	MEK	Methyl Methacrylate	Methylene Chloride	MIBK	Styrene	TCA
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
3'	SB01	03/08/18	3	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB02	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB02	06/29/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB02	06/29/18	8	--	--	--	--	--	--	--	--	--	--	--	--
12)	SB02	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB03	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB03	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
3'	SB04	03/08/18	3	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB04	04/02/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB05	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB06	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB07	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB07	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
12)	SB07	04/02/18	12	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB08	03/08/18	4	<0.050	<0.050	--	--	<0.020	<0.050	--	--	<0.020	--	<0.050	<0.050
8)	SB08	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
12)	SB08	04/02/18	12	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB09	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB10	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB11	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB11	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB12	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3
SOIL ANALYTICAL RESULTS - Additional VOCs
Modutech Marine
2218 Marine View Drive
Tacoma, Washington

vironmental Consulting, Inc. - *Site Charaterization Report* - April 19, 2018 & July 20, 2018 (continued)

ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	Vinyl Chloride	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE	MEK	Methyl Methacrylate	Methylene Chloride	MIBK	Styrene	TCA
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
4'	SB15	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
4'	SB16	03/08/18	4	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB17	03/28/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB17	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB18	03/28/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB18	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB19	03/28/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB19	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB19	06/29/18	8	--	--	--	--	--	--	--	--	--	--	--	--
12)	SB19	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB20	03/28/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB20	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB21	03/28/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB21	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB22	03/28/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB22	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB23	03/28/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB23	03/28/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB24	04/02/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB24	04/02/18	8	--	--	--	--	--	--	--	--	--	--	--	--
12)	SB24	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--
16)	SB24	06/29/18	16	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB25	04/02/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB25	04/02/18	8	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB25	06/29/18	8	--	--	--	--	--	--	--	--	--	--	--	--
12)	SB25	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--
16)	SB25	06/29/18	16	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB26	04/02/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB26	04/02/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB27	04/02/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB27	04/02/18	8	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB28	04/02/18	4	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB29	06/29/18	4	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB29	06/29/18	8	--	--	--	--	--	--	--	--	--	--	--	--
2)	SB29	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3
SOIL ANALYTICAL RESULTS - Additional VOCs
Modutech Marine
2218 Marine View Drive
Tacoma, Washington

MTCA Method A Industrial Cleanup Levels	--	--	--	--	0.03	0.05	--	--	0.02	--	--	2.0

TABLE 3
SOIL ANALYTICAL RESULTS - Additional VOCs
Modutech Marine
2218 Marine View Drive
Tacoma, Washington

vironmental Consulting, Inc. - *Site Charaterization Report* - April 19, 2018 & July 20, 2018 (continued)

ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	Vinyl Chloride	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE	MEK	Methyl Methacrylate	Methylene Chloride	MIBK	Styrene	TCA
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
3)	SB31	06/29/18	8	--	--	--	--	--	--	--	--	--	--	--	--
2)	SB31	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--
6)	SB31	06/29/18	16	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB32	06/29/18	4	--	--	--	--	--	--	--	--	--	--	--	--
3)	SB32	06/29/18	8	--	--	--	--	--	--	--	--	--	--	--	--
2)	SB32	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--
4)	SB33	06/29/18	4	--	--	--	--	--	--	--	--	--	--	--	--
3)	SB33	06/29/18	8	--	--	--	--	--	--	--	--	--	--	--	--
2)	SB33	06/29/18	12	--	--	--	--	--	--	--	--	--	--	--	--
MTCA Method A Industrial Cleanup Levels				--	--	--	--	0.03	0.05	--	--	0.02	--	--	2.0

vironmental Consulting, Inc. - P*hase II Northern Oil Delineation* - February 13, 2025

ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	Vinyl Chloride	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE	MEK	Methyl Methacrylate	Methylene Chloride	MIBK	Styrene	TCA
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
0)	SB34	01/23/25	10	--	--	--	--	--	--	--	--	--	--	--	--
9)	SB35	01/23/25	9	--	--	--	--	--	--	--	--	--	--	--	--
5)	SB36	01/23/25	7.5	--	--	--	--	--	--	--	--	--	--	--	--
9)	SB37	01/23/25	9	--	--	--	--	--	--	--	--	--	--	--	--
0)	SB38	01/23/25	10	--	--	--	--	--	--	--	--	--	--	--	--
9)	SB39	01/23/25	9	--	--	--	--	--	--	--	--	--	--	--	--
8)	SB40	01/23/25	8	--	--	--	--	--	--	--	--	--	--	--	--
1)	SB41	01/23/25	11	--	--	--	--	--	--	--	--	--	--	--	--
MTCA Method A Industrial Cleanup Levels				--	--	--	--	0.03	0.05	--	--	0.02	--	--	2.0

vironmental Solutions, Inc. - *Additional Site Characterization - Response to Ecology Opinion,* July 18, 2025

ID	Soil Boring/Point Well ID	Sampling Date	Sample Depth	Vinyl Chloride	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE	MEK	Methyl Methacrylate	Methylene Chloride	MIBK	Styrene	TCA
			Feet BGS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
7)	SB42	06/23/25	7	<0.0317	<0.0317	<0.0317	<0.0317	<0.0254	<0.0317	<0.317	<0.0317	<0.0127	<0.127	<0.0317	<0.0317
5)	SB43	06/23/25	5	<0.0265	<0.0265	<0.0265	<0.0265	<0.0212	<0.0265	<0.265	<0.0265	<0.0106	<0.106	<0.0265	<0.0265
7)	SB44	06/23/25	7	<0.0271	<0.0271	<0.0271	<0.0271	<0.0216	<0.0271	<0.271	<0.0271	<0.0108	<0.108	<0.0271	<0.0271
5)	SB45	06/23/25	5	<0.0367	<0.0367	<0.0367	<0.0367	<0.0294	<0.0367	<0.367	<0.0367	<0.0147	<0.147	<0.0367	<0.0367
6)	SB46	06/23/25	6	<0.0279	<0.0279	<0.0279	<0.0279	<0.0223	<0.0279	<0.279	<0.0279	<0.0111	<0.111	<0.0279	<0.0279
0)	SB46	06/23/25	10		--	--	--	--	--	--	--	--	--	--	--
1)	SB47	06/23/25	11	<0.0264	<0.0264	<0.0264	<0.0264	<0.0211	<0.0264	<0.264	<0.0264	<0.0105	<0.105	**0.0287**	<0.0264
5)	SB47	06/23/25	15	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4
GRAB GROUNDWATER ANALYTICAL RESULTS - Petroleum, cPAHs PCBs
Modutech Marine
2218 Marine View Drive
Tacoma, Washington

ch Environmental Consulting, Inc. - Petroleum *Site Characterization,* February 14, 2025

mple ID	Soil Boring/Well Samp Point ID	Soil Boring Depth Well Depth	Sampling Date	TPHg	TPHd	TPHo	TPHd SGC	TPHo SGC	Benzene	Toluene	Ethyl-benzene	Total Xylenes	cPAHs	PCBs
		Feet BGS		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
34(W)	SB34	15	01/23/25	--	123[1]	1740[1]	--	--	--	--	--	--	--	--
35(W)	SB35	15	01/23/25	--	**217[1]**	**1,970[1]**	--	--	--	--	--	--	--	--
36(W)	SB36	15	01/23/25	--	96.1[1]	637[1]	--	--	--	--	--	--	--	--
37(W)	SB37	15	01/23/25	--	153[2]	<141	--	--	--	--	--	--	--	--
38(W)	SB38	15	01/23/25	--	**<939**	**94,400**	--	--	--	--	--	--	--	--
39(W)	SB39	15	01/23/25	--	397[2]	<141	--	--	--	--	--	--	--	--
41(W)	SB41	15	01/23/25	--	**362**	**5,640**	--	--	--	--	--	--	--	--
W4(W)	MW4	19	01/23/25	--	2,050[2]	<142	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels - Groundwater				800	500		500		5	1,000	700	1,000	0.1^	0.1
Washington Surface Water - Aquatic Life (Marine Chronic)				1,700	2,100*		2,100*		23	102	21	106	--	0.03

ch Environmental Solutions, Inc. - *Additional Site Characterization - Response to Ecology Opinion,* July 18, 2025

mple ID	Soil Boring/Well Samp Point ID	Soil Boring/ Well Depth	Soil Boring Depth Well Depth	TPHg	TPHd	TPHo	TPHd SGC	TPHo SGC	Benzene	Toluene	Ethyl-benzene	Total Xylenes	cPAHs	PCBs
		Feet BGS		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
42(W)	SB42	15	06/23/25	--	--	--	--	--	<0.200	**2.01**	<0.500	<1.500	--	--
43(W)	SB43	15	06/23/25	--	--	--	--	--	<0.200	<0.500	<0.500	<1.500	--	--
44(W)	SB44	15	06/23/25	--	--	--	--	--	<0.200	<0.500	<0.500	<1.500	--	--
45(W)	SB45	15	06/23/25	--	381[2]	<141	**321[3]**	<141	<0.200	<0.500	<0.500	<1.500	0.0682 (ND)	<0.0202
46(W)	SB46	15	06/23/25	--	1,420[2]	<140	<93.6	<140	**0.340**	<0.500	<0.500	<1.500	0.3158 (ND)	<0.0189
47(W)	SB47	15	06/23/25	--	**9,310[2]**	<140	**8,970[3]**	<140	**1.23**	**1.27**	**2.24**	**0.895**	**0.0769**	--
48(W)	SB48	15	06/23/25	--	--	--	--	--	<0.200	<0.500	<0.500	<1.500	--	--
49(W)	SB49	15	06/23/25	--	334[2]	<143	**317[4]**	<143	<0.200	<0.500	<0.500	<1.500	0.0687 (ND)	--
MTCA Method A Cleanup Levels - Groundwater				800	500		500		5	1,000	700	1,000	0.1^	0.1
Washington Surface Water - Aquatic Life (Marine Chronic)				1,700	2,100*		2,100*		23	102	21	106	--	0.03

Model Toxic Control Act Cleanup Level (WAC173-340-900)

elow Ground Surface TOC = Top of Casing mg/kg = milligram of analyte per kilogram of soil

detected at indicated Laboratory Detection Limits -- = not analyzed

otal Petroleum Hydrocarbons - Diesel by NWTPH-Dx

otal Petroleum Hydrocarbons - Motor Oil by NWTPH-Dx extended

el range organics includes the sum of diesel fuels and heavy oils measured using the NWTPH-Dx method.

, Toluene, Ethylbenzene, Xylenes by EPA Method 8260D

tive concentration using Toxic Equivalency Factor per WAC 173-340-708{e}: SUM(Benzo(a)pyrene (x1), Benzo(a)anthracine (x0.1), Benzo(b)fluoranthene (x0.1), o(k)fluoranthene (x0.1), Chrysene (x0.01), Dibenz(a,h)anthracene (x0.1), Indeno(1,2,3-cd)pyrene (x0.1)

omatographic pattern indicates a continuous distribution of material in the diesel and oil ranges. Material is not identified as a specific petroleum product and is divided into diesel and oil by carbon range.

TABLE 5
cPAH TOXIC EQUIVALENCY FACTOR CALCULATIONS - GROUNDWATER
Modutech Marine
2218 Marine View Drive
Tacoma, Washington

Environmental Solutions, Inc. - *Additional Site Characterization - Response to Ecology Opinion,* July 18, 2025

le ID	Date	Consultant	PQL/MDL/RL	Benzo(a) pyrene	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo (a,h)anthracene	Ideno (1,2,3cd) pyrene	PAHs
ts				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	(TEF)
cy Factor				1	0.1	0.1	0.1	0.01	0.1	0.1	(TEF)
W4	07/13/18	Aerotech EC	0.10	0.05	0.05	0.05	0.05	0.05	0	0.0500	0.0705
W2	10/10/18	Aerotech EC	0.05	0.05	0.05	0.05	0.05	0.05	0	0.0500	0.0705
W3	10/10/18	Aerotech EC	0.05	0.05	0.05	0.05	0.05	0.05	0	0.0500	0.0705
W4	10/10/18	Aerotech EC	0.05	0.05	0.05	0.05	0.05	0.05	0	0.0500	0.0705
(W)	06/23/25	Aerotech ES	0.0968	0.0484	0.0484	0.0484	0.0484	0.0484	0	0.0484	0.0682
(W)	06/23/25	Aerotech ES	0.4480	0.2240	0.2240	0.2240	0.2240	0.2240	0	0.2240	0.3158
(W)	06/23/25	Aerotech ES	0.0981	0.04905	0.04905	**0.11900**	0.04905	**0.12300**	0	0.04905	**0.0769**
(W)	06/23/25	Aerotech ES	0.0975	0.04875	0.04875	0.04875	0.04875	0.04875	0	0.04875	0.0687
MTCA Method A Cleanup Level (Unrestricted)											0.1

ATION

odel Toxics Control Act

rogram of analyte per Liter of Groundwater

arcenogenic Polycyclic Aromatic Hydrocarbons; analyzed with gas chromatography–mass spectrometry by United States

nvironmental Protection Agency Method 8270 Selected Ion Monitoring

mbers and red-shaded cells denote concentrations above risk-based concentration

If the analyte was N If the analyte was ND across the Site, then zer If the analyte was ND across the Site, then zero was entered as the concentration value

TABLE 6

GRAB GROUNDWATER ANALYTICAL RESULTS - Additional VOCs

Modutech Marine

2218 Marine View Drive

Tacoma, Washington

ch Environmental Consulting, Inc. - Petroleum *Site Characterization,* February 14, 2025

nple ID	Soil Boring/Well Samp Point ID	Soil Boring/ Well Depth	Sampling Date	Vinyl Chloride	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE	MEK	Methyl Methacrylate	Methylene Chloride	MIBK	Styrene	TCA
		Feet BGS		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
34(W)	SB34	15	01/23/25	--	--	--	--	--	--	--	--	--	--	--	--
35(W)	SB35	15	01/23/25	--	--	--	--	--	--	--	--	--	--	--	--
36(W)	SB36	15	01/23/25	--	--	--	--	--	--	--	--	--	--	--	--
37(W)	SB37	15	01/23/25	--	--	--	--	--	--	--	--	--	--	--	--
38(W)	SB38	15	01/23/25	--	--	--	--	--	--	--	--	--	--	--	--
39(W)	SB39	15	01/23/25	--	--	--	--	--	--	--	--	--	--	--	--
41(W)	SB41	15	01/23/25	--	--	--	--	--	--	--	--	--	--	--	--
W4(W)	MW4	19	01/23/25	--	--	--	--	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels - Groundwater				0.2	--	--	--	5	5	--	--	5	--	--	200
Washington Surface Water - Aquatic Life (Marine Chronic)				--	--	--	--	--	--	--	--	--	--	--	--

ch Environmental Solutions, Inc. - *Additional Site Characterization - Response to Ecology Opinion,* July 18, 2025

nple ID	Soil Boring/Well Samp Point ID	Soil Boring/ Well Depth	Sampling Date	Vinyl Chloride	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE	MEK	Methyl Methacrylate	Methylene Chloride	MIBK	Styrene	TCA
		Feet BGS		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
42(W)	SB42	15	06/23/25	<0.200	<0.500	<0.500	<0.500	<0.500	<0.500	<5.00	<0.500	<2.00	<2.50	<0.500	<0.500
43(W)	SB43	15	06/23/25	<0.200	<0.500	<0.500	<0.500	<0.500	<0.500	<5.00	<0.500	<2.00	<2.50	<0.500	<0.500
44(W)	SB44	15	06/23/25	<0.200	<0.500	<0.500	<0.500	<0.500	<0.500	<5.00	<0.500	<2.00	<2.50	<0.500	<0.500
45(W)	SB45	15	06/23/25	<0.200	<0.500	<0.500	<0.500	<0.500	<0.500	<5.00	<0.500	<2.00	<2.50	<0.500	<0.500
46(W)	SB46	15	06/23/25	<0.200	<0.500	<0.500	<0.500	<0.500	<0.500	<5.00	<0.500	<2.00	<2.50	<0.500	<0.500
47(W)	SB47	15	06/23/25	<0.200	<0.500	<0.500	<0.500	<0.500	<0.500	<5.00	**0.840**	<2.00	<2.50	<0.500	<0.500
48(W)	SB48	15	06/23/25	<0.200	<0.500	<0.500	<0.500	<0.500	<0.500	<5.00	<0.500	<2.00	<2.50	<0.500	<0.500
49(W)	SB49	15	06/23/25	<0.200	<0.500	<0.500	<0.500	<0.500	<0.500	<5.00	<0.500	<2.00	<2.50	<0.500	<0.500
MTCA Method A Cleanup Levels - Groundwater				0.2	--	--	--	5	5	--	--	5	--	--	200
Washington Surface Water - Aquatic Life (Marine Chronic)				--	--	--	--	--	--	--	--	--	--	--	--

Model Toxic Control Act Cleanup Level (WAC173-340-900)

low Ground Surface TOC = Top of Casing mg/kg = milligram of analyte per kilogram of soil

etected at indicated Laboratory Detection Limits -- = not analyzed

Organic Compounds ("VOCs") by EPA Method 8260D

umbers and red-shaded cells denote concentrations above the Applicable State Cleanup Levels

TABLE 7
GROUNDWATER ANALYTICAL RESULTS
Marine Modutech
2218 Marine View Drive
Tacoma, Washington 98422

Upgradient Well

Date	Ground Water Level	Elevation (TOC north)*	Water Level Elevation	TPHg	TPHd	TPHo	TPHd (SGC)	TPHo (SGC)	Benzene	Toluene	Ethyl-benzene	Xylenes	Naphthalene	cPAHs	PCBs	Dissolved Arsenic	Total Arsenic	Dissolved Lead	Total Lead	Total Dissolved Solids
	Feet Below TOC	Feet Above MSL	Feet Above MSL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
18	2.41	11.75	9.34	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	3.0	<2.0	<2.0	--
18	5.01	11.75	6.74	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	3.0	<2.0	<2.0	--
18	4.81	11.75	6.94	--	--	--	--	--	--	--	--	--	3.80	0.0705 (ND)	--	<2.0	**8.0**	<2.0	<2.0	--
19	2.42	11.75	9.33	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	2.0	<2.0	<2.0	220
MTCA Method A Cleanup Levels - Groundwater				800/1,000	500		500		5	1,000	700	1,000	160	0.1^	0.1	5	5	15	15	
ington Surface Water - Aquatic Life (Marine Chronic)				1,700	2,100*		2,100*		23	102	21	106	--	--	0.03	36	36	8.1	8.1	

Shoreline Well

Date	Ground Water Level	Elevation (TOC north)*	Water Level Elevation	TPHg	TPHd	TPHo	TPHd (SGC)	TPHo (SGC)	Benzene	Toluene	Ethyl-benzene	Xylenes	Naphthalene	cPAHs	PCBs	Dissolved Arsenic	Total Arsenic	Dissolved Lead	Total Lead	Total Dissolved Solids
	Feet Below TOC	Feet Above MSL	Feet Above MSL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
18	8.70	10.27	1.57	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	--
18	9.35	10.27	0.92	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	--
18	5.20	10.27	5.07	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	--
19	3.29	10.27	6.98	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	20,000
MTCA Method A Cleanup Levels - Groundwater				800/1,000	500		500		5	1,000	700	1,000	160	0.1^	0.1	5	5	15	15	
ington Surface Water - Aquatic Life (Marine Chronic)				1,700	2,100*		2,100*		23	102	21	106	--	--	0.03	36	36	8.1	8.1	

Shoreline Well

Date	Ground Water Level	Elevation (TOC north)*	Water Level Elevation	TPHg	TPHd	TPHo	TPHd (SGC)	TPHo (SGC)	Benzene	Toluene	Ethyl-benzene	Xylenes	Naphthalene	cPAHs	PCBs	Dissolved Arsenic	Total Arsenic	Dissolved Lead	Total Lead	Total Dissolved Solids
	Feet Below TOC	Feet Above MSL	Feet Above MSL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
18	9.00	10.72	1.72	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	--
18	8.95	10.72	1.77	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	--
18	5.57	10.72	5.15	--	--	--	--	--	--	--	--	--	**0.66**	0.0705 (ND)	<0.1	<2.0	<2.0	<2.0	<2.0	--
19	3.98	10.72	6.74	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	20,000
MTCA Method A Cleanup Levels - Groundwater				800/1,000	500		500		5	1,000	700	1,000	160	0.1^	0.1	5	5	15	15	
ington Surface Water - Aquatic Life (Marine Chronic)				1,700	2,100*		2,100*		23	102	21	106	--	--	0.03	36	36	8.1	8.1	

Shoreline Well

Date	Ground Water Level	Elevation (TOC north)*	Water Level Elevation	TPHg	TPHd	TPHo	TPHd (SGC)	TPHo (SGC)	Benzene	Toluene	Ethyl-benzene	Xylenes	Naphthalene	cPAHs	PCBs	Dissolved Arsenic	Total Arsenic	Dissolved Lead	Total Lead	Total Dissolved Solids
	Feet Below TOC	Feet Above MSL	Feet Above MSL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L
18	6.90	11.02	4.12	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	--
18	7.10	11.02	3.92	<200	<200	<500	--	--	<1.0	<1.0	<1.0	<1.0		0.0705 (ND)	<0.1	<2.0	<2.0	<2.0	<2.0	--
18	7.79	11.02	3.23	<200	<200	<500	--	--	--	--	--	--	**3.7**	0.0705 (ND)	<0.1	<2.0	<2.0	<2.0	<2.0	--
19	5.30	11.02	5.72	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	11,000
MTCA Method A Cleanup Levels - Groundwater				800/1,000	500		500		5	1,000	700	1,000	160	0.1^	0.1	5	5	15	15	
ington Surface Water - Aquatic Life (Marine Chronic)				1,700	2,100*		2,100*		23	102	21	106	--	--	0.03	36	36	8.1	8.1	

Control Act Cleanup Level (WAC173-340-900)
MSL = Mean Sea Level
dicated Laboratory Detection Limits -- not analyzed NM = Not Measured
m Hydrocarbons as Diesel and TPHo - Total Petroleum Hydrocarbons as Oil by NWTPH-Dx extended
nics includes the sum of diesel fuels and heavy oils measured using the NWTPH-Dx method.
nylbenzene and Xylenes by EPA Method 8021B or 8260D
ration using Toxic Equivalency Factor per WAC 173-340-708(e): SUM(Benzo(a)pyrene (x1), Benzo(a)anthracine (x0.1),
e (x0.1), Benzo(k)fluoranthene (x0.1), Chrysene (x0.01), Dibenz(a,h)anthracene (x0.1), Indeno(1,2,3-cd)pyrene (x0.1)
d 8270 SIM Arsenic and Lead by EPA Method 7010
red-shaded cells denote concentrations above the MTCA Method A Cleanup Levels for groundwater
gray-shaded cells denote total concentrations above the MTCA Method A Cleanup Levels for groundwater, but dissolved concentrations below the MTCA Method A Cleanup Levels

- Laboratory Analytical Reports and Chains of Custody

3600 Fremont Ave N
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aerotech
Nick Gerkin
17837 1st Ave S #556
Normandy Park, WA 98148

RE: Modutech (Mod),
Work Order Number: 2506503

July 17, 2025

Attention Nick Gerkin:

Alliance Technical Group, LLC - Seattle received 14 sample(s) on 6/24/2025 for the analyses presented in the following report.

Diesel & Oil by NWTPH-Dx with Silica Gel Treatment
Diesel and Heavy Oil by NWTPH-Dx
Gasoline by NWTPH-Gx
PAHs by EPA Method 8270E SIM
PCBs by EPA Method 8082A
Sample Moisture (Percent Moisture)
Total Metals by EPA 6020B
Volatile Organic Compounds by EPA 8260D

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Brianna Barnes
Project Manager

Date: *07/17/2025*

CLIENT: Aerotech
Project: Modutech (Mod)
Work Order: 2506503

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2506503-001	SB42(7)	06/23/2025 9:30 AM	06/24/2025 3:45 PM
2506503-002	SB42(12)	06/23/2025 9:45 AM	06/24/2025 3:45 PM
2506503-003	SB43(5)	06/23/2025 10:15 AM	06/24/2025 3:45 PM
2506503-004	SB43(9)	06/23/2025 10:25 AM	06/24/2025 3:45 PM
2506503-005	SB43(11)	06/23/2025 10:35 AM	06/24/2025 3:45 PM
2506503-006	SB44(7)	06/23/2025 11:10 AM	06/24/2025 3:45 PM
2506503-007	SB44(11)	06/23/2025 11:20 AM	06/24/2025 3:45 PM
2506503-008	SB45(5)	06/23/2025 12:25 PM	06/24/2025 3:45 PM
2506503-009	SB45(8)	06/23/2025 12:35 PM	06/24/2025 3:45 PM
2506503-010	SB46(6)	06/23/2025 1:05 PM	06/24/2025 3:45 PM
2506503-011	SB46(10)	06/23/2025 1:15 PM	06/24/2025 3:45 PM
2506503-012	SB47(9)	06/23/2025 2:55 PM	06/24/2025 3:45 PM
2506503-013	SB47(11)	06/23/2025 3:10 PM	06/24/2025 3:45 PM
2506503-014	SB47(15)	06/23/2025 3:30 PM	06/24/2025 3:45 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2506503**
Date: **7/17/2025**

CLIENT: Aerotech
Project: Modutech (Mod)

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2506503-008A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2506503-010A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2506503-008A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2506503-010A) required Florisil Cleanup Procedure (Using Method No 3620C).

Rev1 reflects additional analysis per client request.
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2506503-011A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2506503-013A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2506503-011A) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2506503-013A) required Florisil Cleanup Procedure (Using Method No 3620C).

7/10/2025: Rev1 includes additional analysis per client request.
7/17/2025: Rev2 includes additional analysis per client request.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2506503**
Date Reported: **7/17/2025**

Client: Aerotech
Collection Date: 6/23/2025 9:30:00 AM
Project: Modutech (Mod)
Lab ID: 2506503-001
Matrix: Soil
Client Sample ID: **SB42(7)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA 8260D				Batch ID: 48272		Analyst: FG
Vinyl chloride	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
1,1-DCE	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Methylene chloride	ND	0.0127		mg/Kg-dry	1	6/27/2025 5:51:04 PM
trans-1,2-Dichloroethene	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
cis-1,2-Dichloroethene	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
(MEK) 2-Butanone	ND	0.317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
1,1,1-Trichloroethane (TCA)	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Benzene	ND	0.0152		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Trichloroethene (TCE)	ND	0.0254		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Methyl methacrylate	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Toluene	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.127		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Tetrachloroethene (PCE)	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Ethylbenzene	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
m,p-Xylene	ND	0.0634		mg/Kg-dry	1	6/27/2025 5:51:04 PM
o-Xylene	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Styrene	ND	0.0317		mg/Kg-dry	1	6/27/2025 5:51:04 PM
Surr: Dibromofluoromethane	103	74.8 - 121		%Rec	1	6/27/2025 5:51:04 PM
Surr: Toluene-d8	104	79.6 - 120		%Rec	1	6/27/2025 5:51:04 PM
Surr: 1-Bromo-4-fluorobenzene	101	53 - 139		%Rec	1	6/27/2025 5:51:04 PM
Sample Moisture (Percent Moisture)				Batch ID: R10098		Analyst: EC
Percent Moisture	16.3	0.500		wt%	1	6/27/2025 12:19:51 PM

Client: Aerotech
Collection Date: 6/23/2025 10:15:00 AM
Project: Modutech (Mod)
Lab ID: 2506503-003
Matrix: Soil
Client Sample ID: **SB43(5)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA 8260D				Batch ID: 48272		Analyst: FG
Vinyl chloride	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
1,1-DCE	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Methylene chloride	ND	0.0106		mg/Kg-dry	1	6/27/2025 9:44:54 PM
trans-1,2-Dichloroethene	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
cis-1,2-Dichloroethene	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
(MEK) 2-Butanone	ND	0.265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
1,1,1-Trichloroethane (TCA)	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Benzene	ND	0.0127		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Trichloroethene (TCE)	ND	0.0212		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Methyl methacrylate	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Toluene	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.106		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Tetrachloroethene (PCE)	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Ethylbenzene	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
m,p-Xylene	ND	0.0530		mg/Kg-dry	1	6/27/2025 9:44:54 PM
o-Xylene	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Styrene	ND	0.0265		mg/Kg-dry	1	6/27/2025 9:44:54 PM
Surr: Dibromofluoromethane	104	74.8 - 121		%Rec	1	6/27/2025 9:44:54 PM
Surr: Toluene-d8	109	79.6 - 120		%Rec	1	6/27/2025 9:44:54 PM
Surr: 1-Bromo-4-fluorobenzene	104	53 - 139		%Rec	1	6/27/2025 9:44:54 PM
Sample Moisture (Percent Moisture)				Batch ID: R10098		Analyst: EC
Percent Moisture	17.8	0.500		wt%	1	6/27/2025 12:19:51 PM

Client: Aerotech
Collection Date: 6/23/2025 11:10:00 AM
Project: Modutech (Mod)
Lab ID: 2506503-006
Matrix: Soil
Client Sample ID: **SB44(7)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA 8260D				Batch ID: 48272		Analyst: FG
Vinyl chloride	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
1,1-DCE	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Methylene chloride	ND	0.0108		mg/Kg-dry	1	6/27/2025 10:37:42 PM
trans-1,2-Dichloroethene	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
cis-1,2-Dichloroethene	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
(MEK) 2-Butanone	ND	0.271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
1,1,1-Trichloroethane (TCA)	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Benzene	ND	0.0130		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Trichloroethene (TCE)	ND	0.0216		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Methyl methacrylate	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Toluene	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.108		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Tetrachloroethene (PCE)	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Ethylbenzene	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
m,p-Xylene	ND	0.0541		mg/Kg-dry	1	6/27/2025 10:37:42 PM
o-Xylene	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Styrene	ND	0.0271		mg/Kg-dry	1	6/27/2025 10:37:42 PM
Surr: Dibromofluoromethane	102	74.8 - 121		%Rec	1	6/27/2025 10:37:42 PM
Surr: Toluene-d8	108	79.6 - 120		%Rec	1	6/27/2025 10:37:42 PM
Surr: 1-Bromo-4-fluorobenzene	102	53 - 139		%Rec	1	6/27/2025 10:37:42 PM
Sample Moisture (Percent Moisture)				Batch ID: R10098		Analyst: EC
Percent Moisture	19.3	0.500		wt%	1	6/27/2025 12:19:51 PM

Client: Aerotech
Collection Date: 6/23/2025 12:25:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-008
Matrix: Soil
Client Sample ID: **SB45(5)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBs by EPA Method 8082A				Batch ID: 48262		Analyst: CO
Aroclor 1016	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Aroclor 1221	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Aroclor 1232	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Aroclor 1242	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Aroclor 1248	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Aroclor 1254	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Aroclor 1260	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Aroclor 1262	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Aroclor 1268	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Total PCBs	ND	0.0233		mg/Kg-dry	1	6/28/2025 4:22:22 AM
Surr: Decachlorobiphenyl	225	36.6 - 160	S	%Rec	1	6/28/2025 4:22:22 AM
Surr: Tetrachloro-m-xylene	215	53.9 - 159	S	%Rec	1	6/28/2025 4:22:22 AM

NOTES:
S - Outlying surrogate recovery observed (high bias). Sample is non-detect; result meets QC requirements.

Diesel & Oil by NWTPH-Dx with Silica Gel Treatment				Batch ID: 48266		Analyst: ZD
Diesel Range Organics	ND	55.4		mg/Kg-dry	1	7/2/2025 9:27:33 AM
Heavy Oil	ND	111		mg/Kg-dry	1	7/2/2025 9:27:33 AM
Total Petroleum Hydrocarbons	ND	166		mg/Kg-dry	1	7/2/2025 9:27:33 AM
Surr: 2-Fluorobiphenyl	123	50 - 150		%Rec	1	7/2/2025 9:27:33 AM
Surr: o-Terphenyl	106	50 - 150		%Rec	1	7/2/2025 9:27:33 AM
PAHs by EPA Method 8270E SIM				Batch ID: 48321		Analyst: SH
Naphthalene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
2-Methylnaphthalene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
1-Methylnaphthalene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Acenaphthylene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Acenaphthene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Fluorene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Phenanthrene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Anthracene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Fluoranthene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Pyrene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Benz(a)anthracene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Chrysene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Benzo(b)fluoranthene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Benzo(k)fluoranthene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM

Client: Aerotech
Collection Date: 6/23/2025 12:25:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-008
Matrix: Soil
Client Sample ID: **SB45(5)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAHs by EPA Method 8270E SIM				Batch ID: 48321		Analyst: SH
Benzo(a)pyrene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Indeno(1,2,3-cd)pyrene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Dibenz(a,h)anthracene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Benzo(g,h,i)perylene	ND	0.0464		mg/Kg-dry	1	7/3/2025 11:21:45 PM
Surr: 2-Fluorobiphenyl	67.4	44.7 - 160		%Rec	1	7/3/2025 11:21:45 PM
Surr: Terphenyl-d14 (surr)	86.3	52.1 - 159		%Rec	1	7/3/2025 11:21:45 PM
Gasoline by NWTPH-Gx				Batch ID: 48272		Analyst: FG
Gasoline Range Organics	ND	7.34		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Surr: Toluene-d8	96.6	65 - 135		%Rec	1	6/27/2025 11:04:06 PM
Surr: 4-Bromofluorobenzene	99.1	65 - 135		%Rec	1	6/27/2025 11:04:06 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 48272		Analyst: FG
Vinyl chloride	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
1,1-DCE	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Methylene chloride	ND	0.0147		mg/Kg-dry	1	6/27/2025 11:04:06 PM
trans-1,2-Dichloroethene	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
cis-1,2-Dichloroethene	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
(MEK) 2-Butanone	ND	0.367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
1,1,1-Trichloroethane (TCA)	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Benzene	ND	0.0176		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Trichloroethene (TCE)	ND	0.0294		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Methyl methacrylate	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Toluene	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.147		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Tetrachloroethene (PCE)	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Ethylbenzene	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
m,p-Xylene	ND	0.0734		mg/Kg-dry	1	6/27/2025 11:04:06 PM
o-Xylene	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Styrene	ND	0.0367		mg/Kg-dry	1	6/27/2025 11:04:06 PM
Surr: Dibromofluoromethane	102	74.8 - 121		%Rec	1	6/27/2025 11:04:06 PM
Surr: Toluene-d8	108	79.6 - 120		%Rec	1	6/27/2025 11:04:06 PM
Surr: 1-Bromo-4-fluorobenzene	103	53 - 139		%Rec	1	6/27/2025 11:04:06 PM
Total Metals by EPA 6020B				Batch ID: 48380		Analyst: ME
Arsenic	1.16	0.244		mg/Kg-dry	1	7/9/2025 1:10:00 PM

Analytical Report

Work Order: **2506503**
Date Reported: **7/17/2025**

Client: Aerotech
Collection Date: 6/23/2025 12:25:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-008
Matrix: Soil
Client Sample ID: **SB45(5)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 48380		Analyst: ME
Cadmium	0.0502	0.0244		mg/Kg-dry	1	7/9/2025 1:10:00 PM
Chromium	11.6	0.609		mg/Kg-dry	1	7/9/2025 1:10:00 PM
Lead	1.45	0.244		mg/Kg-dry	1	7/9/2025 1:10:00 PM
Nickel	5.53	0.366		mg/Kg-dry	1	7/9/2025 1:10:00 PM
Zinc	19.8	3.66		mg/Kg-dry	1	7/9/2025 1:10:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R10098		Analyst: EC
Percent Moisture	15.9	0.500		wt%	1	6/27/2025 12:19:51 PM

Client: Aerotech
Collection Date: 6/23/2025 1:05:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-010
Matrix: Soil
Client Sample ID: **SB46(6)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBs by EPA Method 8082A				Batch ID: 48262		Analyst: CO
Aroclor 1016	ND	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Aroclor 1221	ND	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Aroclor 1232	ND	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Aroclor 1242	ND	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Aroclor 1248	ND	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Aroclor 1254	1.77	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Aroclor 1260	0.566	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Aroclor 1262	ND	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Aroclor 1268	ND	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Total PCBs	2.33	0.0249		mg/Kg-dry	1	6/30/2025 3:18:00 PM
Surr: Decachlorobiphenyl	89.8	36.6 - 160		%Rec	1	6/30/2025 3:18:00 PM
Surr: Tetrachloro-m-xylene	77.3	53.9 - 159		%Rec	1	6/30/2025 3:18:00 PM
Diesel & Oil by NWTPH-Dx with Silica Gel Treatment				Batch ID: 48266		Analyst: ZD
Diesel Range Organics	1,030	61.2		mg/Kg-dry	1	7/2/2025 9:39:21 AM
Heavy Oil	4,880	122		mg/Kg-dry	1	7/2/2025 9:39:21 AM
Total Petroleum Hydrocarbons	5,910	184		mg/Kg-dry	1	7/2/2025 9:39:21 AM
Surr: 2-Fluorobiphenyl	105	50 - 150		%Rec	1	7/2/2025 9:39:21 AM
Surr: o-Terphenyl	92.5	50 - 150		%Rec	1	7/2/2025 9:39:21 AM
NOTES:						
Chromatographic pattern indicates a continuous distribution of material divided into diesel and oil by carbon range						
PAHs by EPA Method 8270E SIM				Batch ID: 48321		Analyst: SH
Naphthalene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
2-Methylnaphthalene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
1-Methylnaphthalene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Acenaphthylene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Acenaphthene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Fluorene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Phenanthrene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Anthracene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Fluoranthene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Pyrene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Benz(a)anthracene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Chrysene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Benzo(b)fluoranthene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Benzo(k)fluoranthene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM

Client: Aerotech
Collection Date: 6/23/2025 1:05:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-010
Matrix: Soil
Client Sample ID: **SB46(6)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAHs by EPA Method 8270E SIM				Batch ID: 48321		Analyst: SH
Benzo(a)pyrene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Indeno(1,2,3-cd)pyrene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Dibenz(a,h)anthracene	ND	0.0232		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Benzo(g,h,i)perylene	ND	0.0465		mg/Kg-dry	1	7/3/2025 11:37:56 PM
Surr: 2-Fluorobiphenyl	74.3	44.7 - 160		%Rec	1	7/3/2025 11:37:56 PM
Surr: Terphenyl-d14 (surr)	93.9	52.1 - 159		%Rec	1	7/3/2025 11:37:56 PM
Gasoline by NWTPH-Gx				Batch ID: 48272		Analyst: FG
Gasoline Range Organics	89.9	5.57		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Surr: Toluene-d8	97.2	65 - 135		%Rec	1	6/27/2025 11:30:33 PM
Surr: 4-Bromofluorobenzene	109	65 - 135		%Rec	1	6/27/2025 11:30:33 PM
NOTES: Chromatographic pattern indicates a material consistent with weathered gasoline or stoddard solvent						
Volatile Organic Compounds by EPA 8260D				Batch ID: 48272		Analyst: FG
Vinyl chloride	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
1,1-DCE	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Methylene chloride	ND	0.0111		mg/Kg-dry	1	6/27/2025 11:30:33 PM
trans-1,2-Dichloroethene	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
cis-1,2-Dichloroethene	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
(MEK) 2-Butanone	ND	0.279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
1,1,1-Trichloroethane (TCA)	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Benzene	ND	0.0134		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Trichloroethene (TCE)	ND	0.0223		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Methyl methacrylate	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Toluene	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.111		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Tetrachloroethene (PCE)	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Ethylbenzene	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
m,p-Xylene	ND	0.0557		mg/Kg-dry	1	6/27/2025 11:30:33 PM
o-Xylene	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Styrene	ND	0.0279		mg/Kg-dry	1	6/27/2025 11:30:33 PM
Surr: Dibromofluoromethane	100	74.8 - 121		%Rec	1	6/27/2025 11:30:33 PM
Surr: Toluene-d8	105	79.6 - 120		%Rec	1	6/27/2025 11:30:33 PM
Surr: 1-Bromo-4-fluorobenzene	104	53 - 139		%Rec	1	6/27/2025 11:30:33 PM

Analytical Report

Work Order: **2506503**
Date Reported: **7/17/2025**

Client: Aerotech
Collection Date: 6/23/2025 1:05:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-010
Matrix: Soil
Client Sample ID: **SB46(6)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA 6020B				Batch ID: 48380		Analyst: ME
Arsenic	23.5	0.252		mg/Kg-dry	1	7/9/2025 1:25:00 PM
Cadmium	0.346	0.0252		mg/Kg-dry	1	7/9/2025 1:25:00 PM
Chromium	24.6	0.629		mg/Kg-dry	1	7/9/2025 1:25:00 PM
Lead	42.5	0.252		mg/Kg-dry	1	7/9/2025 1:25:00 PM
Nickel	23.6	0.378		mg/Kg-dry	1	7/9/2025 1:25:00 PM
Zinc	147	3.78		mg/Kg-dry	1	7/9/2025 1:25:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R10098		Analyst: EC
Percent Moisture	20.6	0.500		wt%	1	6/27/2025 12:19:51 PM

Client: Aerotech
Collection Date: 6/23/2025 1:15:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-011
Matrix: Soil
Client Sample ID: **SB46(10)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBs by EPA Method 8082A				Batch ID: 48342		Analyst: CO
Aroclor 1016	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Aroclor 1221	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Aroclor 1232	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Aroclor 1242	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Aroclor 1248	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Aroclor 1254	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Aroclor 1260	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Aroclor 1262	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Aroclor 1268	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Total PCBs	ND	0.0327		mg/Kg-dry	1	7/3/2025 4:23:35 PM
Surr: Decachlorobiphenyl	211	36.6 - 160	S	%Rec	1	7/3/2025 4:23:35 PM
Surr: Tetrachloro-m-xylene	203	53.9 - 159	S	%Rec	1	7/3/2025 4:23:35 PM

NOTES:
S - Outlying surrogate recovery observed (high bias). Sample is non-detect; result meets QC requirements.

Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 48341		Analyst: ZD
Diesel Range Organics	ND	80.8		mg/Kg-dry	1	7/7/2025 9:59:10 AM
Heavy Oil	ND	162		mg/Kg-dry	1	7/7/2025 9:59:10 AM
Total Petroleum Hydrocarbons	ND	243		mg/Kg-dry	1	7/7/2025 9:59:10 AM
Surr: 2-Fluorobiphenyl	55.1	50 - 150		%Rec	1	7/7/2025 9:59:10 AM
Surr: o-Terphenyl	51.0	50 - 150		%Rec	1	7/7/2025 9:59:10 AM
Total Metals by EPA 6020B				Batch ID: 48424		Analyst: ME
Arsenic	5.23	0.333		mg/Kg-dry	1	7/14/2025 4:06:00 PM
Cadmium	0.301	0.0333		mg/Kg-dry	1	7/14/2025 4:06:00 PM
Chromium	18.6	0.832		mg/Kg-dry	1	7/14/2025 4:06:00 PM
Lead	25.9	0.333		mg/Kg-dry	1	7/14/2025 4:06:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R10112		Analyst: JSI
Percent Moisture	40.4	0.500		wt%	1	7/3/2025 11:35:10 AM

Client: Aerotech
Collection Date: 6/23/2025 3:10:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-013
Matrix: Soil
Client Sample ID: **SB47(11)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBs by EPA Method 8082A				Batch ID: 48342		Analyst: CO
Aroclor 1016	0.569	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Aroclor 1221	ND	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Aroclor 1232	ND	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Aroclor 1242	ND	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Aroclor 1248	ND	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Aroclor 1254	1.39	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Aroclor 1260	ND	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Aroclor 1262	0.300	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Aroclor 1268	ND	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Total PCBs	2.26	0.0278		mg/Kg-dry	1	7/3/2025 4:33:00 PM
Surr: Decachlorobiphenyl	83.9	36.6 - 160		%Rec	1	7/3/2025 4:33:00 PM
Surr: Tetrachloro-m-xylene	102	53.9 - 159		%Rec	1	7/3/2025 4:33:00 PM
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 48266		Analyst: ZD
Diesel Range Organics	2,940	68.4		mg/Kg-dry	1	6/30/2025 11:59:53 AM
Heavy Oil	ND	137		mg/Kg-dry	1	6/30/2025 11:59:53 AM
Total Petroleum Hydrocarbons	2,940	205		mg/Kg-dry	1	6/30/2025 11:59:53 AM
Surr: 2-Fluorobiphenyl	73.6	50 - 150		%Rec	1	6/30/2025 11:59:53 AM
Surr: o-Terphenyl	75.1	50 - 150		%Rec	1	6/30/2025 11:59:53 AM
NOTES:						
Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material						
PAHs by EPA Method 8270E SIM				Batch ID: 48269		Analyst: AP
Naphthalene	0.0429	0.0283		mg/Kg-dry	1	6/27/2025 3:17:01 PM
Benz(a)anthracene	0.381	0.0283		mg/Kg-dry	1	6/27/2025 3:17:01 PM
Chrysene	0.868	0.0283		mg/Kg-dry	1	6/27/2025 3:17:01 PM
Benzo(b)fluoranthene	0.879	0.0283		mg/Kg-dry	1	6/27/2025 3:17:01 PM
Benzo(k)fluoranthene	0.225	0.0283		mg/Kg-dry	1	6/27/2025 3:17:01 PM
Benzo(a)pyrene	0.516	0.0283		mg/Kg-dry	1	6/27/2025 3:17:01 PM
Indeno(1,2,3-cd)pyrene	0.267	0.0283		mg/Kg-dry	1	6/27/2025 3:17:01 PM
Dibenz(a,h)anthracene	ND	0.0283		mg/Kg-dry	1	6/27/2025 3:17:01 PM
Surr: 2-Fluorobiphenyl	89.2	44.7 - 160		%Rec	1	6/27/2025 3:17:01 PM
Surr: Terphenyl-d14 (surr)	94.9	52.1 - 159		%Rec	1	6/27/2025 3:17:01 PM
Gasoline by NWTPH-Gx				Batch ID: 48272		Analyst: FG
Gasoline Range Organics	6.28	5.27		mg/Kg-dry	1	6/27/2025 11:56:59 PM

Client: Aerotech
Project: Modutech (Mod)
Lab ID: 2506503-013
Client Sample ID: **SB47(11)**

Collection Date: 6/23/2025 3:10:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Gasoline by NWTPH-Gx				Batch ID: 48272		Analyst: FG
Surr: Toluene-d8	96.1	65 - 135		%Rec	1	6/27/2025 11:56:59 PM
Surr: 4-Bromofluorobenzene	99.0	65 - 135		%Rec	1	6/27/2025 11:56:59 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 48272		Analyst: FG
Vinyl chloride	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
1,1-DCE	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Methylene chloride	ND	0.0105		mg/Kg-dry	1	6/27/2025 11:56:59 PM
trans-1,2-Dichloroethene	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
cis-1,2-Dichloroethene	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
(MEK) 2-Butanone	ND	0.264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
1,1,1-Trichloroethane (TCA)	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Benzene	ND	0.0127		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Trichloroethene (TCE)	ND	0.0211		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Methyl methacrylate	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Toluene	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.105		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Tetrachloroethene (PCE)	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Ethylbenzene	0.0579	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
m,p-Xylene	ND	0.0527		mg/Kg-dry	1	6/27/2025 11:56:59 PM
o-Xylene	ND	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Styrene	0.0287	0.0264		mg/Kg-dry	1	6/27/2025 11:56:59 PM
Surr: Dibromofluoromethane	99.5	74.8 - 121		%Rec	1	6/27/2025 11:56:59 PM
Surr: Toluene-d8	103	79.6 - 120		%Rec	1	6/27/2025 11:56:59 PM
Surr: 1-Bromo-4-fluorobenzene	103	53 - 139		%Rec	1	6/27/2025 11:56:59 PM
Total Metals by EPA 6020B				Batch ID: 48380		Analyst: ME
Arsenic	16.2	0.293		mg/Kg-dry	1	7/9/2025 1:29:00 PM
Cadmium	15.6	0.0293		mg/Kg-dry	1	7/9/2025 1:29:00 PM
Chromium	63.2	0.733		mg/Kg-dry	1	7/9/2025 1:29:00 PM
Lead	714	2.93	D	mg/Kg-dry	10	7/10/2025 3:37:00 PM
Nickel	126	0.440		mg/Kg-dry	1	7/9/2025 1:29:00 PM
Zinc	3,230	44.0	D	mg/Kg-dry	10	7/10/2025 3:37:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R10098		Analyst: EC
Percent Moisture	31.2	0.500		wt%	1	6/27/2025 12:19:51 PM

Client: Aerotech
Collection Date: 6/23/2025 3:30:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-014
Matrix: Soil
Client Sample ID: **SB47(15)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 48341		Analyst: ZD
Diesel Range Organics	ND	58.9		mg/Kg-dry	1	7/8/2025 3:33:29 PM
Heavy Oil	140	118		mg/Kg-dry	1	7/8/2025 3:33:29 PM
Total Petroleum Hydrocarbons	191	177		mg/Kg-dry	1	7/8/2025 3:33:29 PM
Surr: 2-Fluorobiphenyl	89.8	50 - 150		%Rec	1	7/8/2025 3:33:29 PM
Surr: o-Terphenyl	86.7	50 - 150		%Rec	1	7/8/2025 3:33:29 PM
NOTES: Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material						
PAHs by EPA Method 8270E SIM				Batch ID: 48321		Analyst: SH
Naphthalene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
2-Methylnaphthalene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
1-Methylnaphthalene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Acenaphthylene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Acenaphthene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Fluorene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Phenanthrene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Anthracene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Fluoranthene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Pyrene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Benz(a)anthracene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Chrysene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Benzo(b)fluoranthene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Benzo(k)fluoranthene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Benzo(a)pyrene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Indeno(1,2,3-cd)pyrene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Dibenz(a,h)anthracene	ND	0.0229		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Benzo(g,h,i)perylene	ND	0.0459		mg/Kg-dry	1	7/3/2025 11:54:03 PM
Surr: 2-Fluorobiphenyl	69.6	44.7 - 160		%Rec	1	7/3/2025 11:54:03 PM
Surr: Terphenyl-d14 (surr)	90.4	52.1 - 159		%Rec	1	7/3/2025 11:54:03 PM
Total Metals by EPA 6020B				Batch ID: 48424		Analyst: ME
Arsenic	13.7	0.250		mg/Kg-dry	1	7/15/2025 1:18:00 PM
Cadmium	0.204	0.0250		mg/Kg-dry	1	7/15/2025 1:18:00 PM
Chromium	24.0	0.625		mg/Kg-dry	1	7/15/2025 1:18:00 PM
Lead	19.7	0.250		mg/Kg-dry	1	7/15/2025 1:18:00 PM

Analytical Report

Work Order: **2506503**
Date Reported: **7/17/2025**

Client: Aerotech
Collection Date: 6/23/2025 3:30:00 PM
Project: Modutech (Mod)
Lab ID: 2506503-014
Matrix: Soil
Client Sample ID: **SB47(15)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R10112		Analyst: JSI
Percent Moisture	18.7	0.500		wt%	1	7/3/2025 11:35:10 AM

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **MB-48380**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **7/9/2025**		RunNo: **101250**		
Client ID: **MBLKS**	Batch ID: **48380**					Analysis Date: **7/9/2025**		SeqNo: **2109523**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.200									
Cadmium	ND	0.0200									
Chromium	ND	0.500									
Lead	ND	0.200									
Nickel	ND	0.300									
Zinc	ND	3.00									

Sample ID: **LCS-48380**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **7/9/2025**		RunNo: **101250**		
Client ID: **LCSS**	Batch ID: **48380**					Analysis Date: **7/9/2025**		SeqNo: **2109524**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	40.5	0.200	40.00	0	101	80	120				
Cadmium	1.99	0.0200	2.000	0	99.3	80	120				
Chromium	42.8	0.500	40.00	0	107	80	120				
Lead	21.0	0.200	20.00	0	105	80	120				
Nickel	42.8	0.300	40.00	0	107	80	120				
Zinc	41.2	3.00	40.00	0	103	80	120				

Sample ID: **2506503-008AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **7/9/2025**		RunNo: **101250**		
Client ID: **SB45(5)**	Batch ID: **48380**					Analysis Date: **7/9/2025**		SeqNo: **2109526**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	50.0	0.242	48.36	1.164	101	75	125				
Cadmium	2.49	0.0242	2.418	0.05022	101	75	125				
Chromium	60.5	0.605	48.36	11.58	101	75	125				
Lead	27.0	0.242	24.18	1.446	105	75	125				
Nickel	53.8	0.363	48.36	5.535	99.7	75	125				
Zinc	69.6	3.63	48.36	19.78	103	75	125				

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **2506503-008AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **7/9/2025**	RunNo: **101250**
Client ID: **SB45(5)**	Batch ID: **48380**		Analysis Date: **7/9/2025**	SeqNo: **2109528**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.8	0.238	47.59	1.164	100	75	125	50.00	2.51	20	
Cadmium	2.45	0.0238	2.379	0.05022	101	75	125	2.492	1.52	20	
Chromium	57.8	0.595	47.59	11.58	97.2	75	125	60.52	4.53	20	
Lead	25.9	0.238	23.79	1.446	103	75	125	26.96	3.82	20	
Nickel	51.5	0.357	47.59	5.535	96.6	75	125	53.77	4.33	20	
Zinc	66.6	3.57	47.59	19.78	98.4	75	125	69.60	4.39	20	

Sample ID: **MB-48424**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **7/14/2025**	RunNo: **101339**
Client ID: **MBLKS**	Batch ID: **48424**		Analysis Date: **7/14/2025**	SeqNo: **2111136**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.200									
Cadmium	ND	0.0200									
Chromium	ND	0.500									
Lead	ND	0.200									

Sample ID: **LCS-48424**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **7/14/2025**	RunNo: **101339**
Client ID: **LCSS**	Batch ID: **48424**		Analysis Date: **7/14/2025**	SeqNo: **2111137**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	40.5	0.200	40.00	0	101	80	120				
Cadmium	2.01	0.0200	2.000	0	101	80	120				
Chromium	41.0	0.500	40.00	0	103	80	120				
Lead	20.8	0.200	20.00	0	104	80	120				

Sample ID: **2507187-001AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **7/14/2025**	RunNo: **101339**
Client ID: **BATCH**	Batch ID: **48424**		Analysis Date: **7/14/2025**	SeqNo: **2111139**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	373	1.82	364.6	11.40	99.3	75	125				

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Total Metals by EPA 6020B

Sample ID: **2507187-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/14/2025** RunNo: **101339**
Client ID: **BATCH** Batch ID: **48424** Analysis Date: **7/14/2025** SeqNo: **2111139**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	34.0	0.182	18.23	21.10	70.6	75	125				S
Chromium	399	4.56	364.6	59.54	93.1	75	125				
Lead	265	1.82	182.3	103.7	88.5	75	125				

NOTES:
S - Outlying spike recovery observed. A duplicate analysis was performed and recovered within range.

Sample ID: **2507187-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/14/2025** RunNo: **101339**
Client ID: **BATCH** Batch ID: **48424** Analysis Date: **7/14/2025** SeqNo: **2111141**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	378	1.82	364.6	11.40	101	75	125	373.4	1.26	20	
Cadmium	38.6	0.182	18.23	21.10	96.2	75	125	33.97	12.9	20	
Chromium	412	4.56	364.6	59.54	96.8	75	125	399.1	3.28	20	
Lead	290	1.82	182.3	103.7	102	75	125	265.1	8.97	20	

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **MB-48266**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **6/27/2025**		RunNo: **101017**		
Client ID: **MBLKS**	Batch ID: **48266**					Analysis Date: **6/27/2025**		SeqNo: **2104557**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	7.95		10.00		79.5	50	150				
Surr: o-Terphenyl	8.17		10.00		81.7	50	150				

Sample ID: **LCS-48266**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **6/27/2025**		RunNo: **101017**		
Client ID: **LCSS**	Batch ID: **48266**					Analysis Date: **6/27/2025**		SeqNo: **2104558**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	549	150	500.0	0	110	67.1	134				
Surr: 2-Fluorobiphenyl	8.50		10.00		85.0	50	150				
Surr: o-Terphenyl	10.5		10.00		105	50	150				

Sample ID: **LCSD-48266**	SampType: **LCSD**			Units: **mg/Kg**		Prep Date: **6/27/2025**		RunNo: **101017**		
Client ID: **LCSS02**	Batch ID: **48266**					Analysis Date: **6/27/2025**		SeqNo: **2104559**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	479	150	500.0	0	95.8	67.1	134	549.1	13.6	30	
Surr: 2-Fluorobiphenyl	7.94		10.00		79.4	50	150		0		
Surr: o-Terphenyl	8.71		10.00		87.1	50	150		0		

Sample ID: **2506514-001AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **6/27/2025**		RunNo: **101017**		
Client ID: **BATCH**	Batch ID: **48266**					Analysis Date: **6/30/2025**		SeqNo: **2105424**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	77,500	150	498.4	83,090	-1,130	40.5	159				S
Surr: 2-Fluorobiphenyl	23.2		9.969		233	50	150				S
Surr: o-Terphenyl	152		9.969		1,520	50	150				S

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **2506514-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101017**
Client ID: **BATCH** Batch ID: **48266** Analysis Date: **6/30/2025** SeqNo: **2105424**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.
S - Outlying surrogate recovery observed.

Sample ID: **2506514-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101017**
Client ID: **BATCH** Batch ID: **48266** Analysis Date: **6/30/2025** SeqNo: **2105425**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	67,300	149	497.1	83,090	-3,170	40.5	159	77,460	14.0	30	S
Surr: 2-Fluorobiphenyl	37.1		9.941		373	50	150		0		S
Surr: o-Terphenyl	473		9.941		4,760	50	150		0		S

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.
S - Outlying surrogate recovery observed.

Sample ID: **MB-48341** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/3/2025** RunNo: **101163**
Client ID: **MBLKS** Batch ID: **48341** Analysis Date: **7/3/2025** SeqNo: **2107690**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	7.98		10.00		79.8	50	150				
Surr: o-Terphenyl	8.04		10.00		80.4	50	150				

Sample ID: **LCS-48341** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/3/2025** RunNo: **101163**
Client ID: **LCSS** Batch ID: **48341** Analysis Date: **7/3/2025** SeqNo: **2107691**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	504	150	500.0	0	101	67.1	134				
Surr: 2-Fluorobiphenyl	8.00		10.00		80.0	50	150				
Surr: o-Terphenyl	9.07		10.00		90.7	50	150				

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **LCS-48341**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **7/3/2025**		RunNo: **101163**		
Client ID: **LCSS**	Batch ID: **48341**					Analysis Date: **7/3/2025**		SeqNo: **2107691**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **LCSD-48341**	SampType: **LCSD**			Units: **mg/Kg**		Prep Date: **7/3/2025**		RunNo: **101163**		
Client ID: **LCSS02**	Batch ID: **48341**					Analysis Date: **7/3/2025**		SeqNo: **2107692**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	503	150	500.0	0	101	67.1	134	504.0	0.145	30	
Surr: 2-Fluorobiphenyl	7.95		10.00		79.5	50	150		0		
Surr: o-Terphenyl	8.73		10.00		87.3	50	150		0		

Sample ID: **2507043-002AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **7/3/2025**		RunNo: **101163**		
Client ID: **BATCH**	Batch ID: **48341**					Analysis Date: **7/3/2025**		SeqNo: **2107701**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	402	153	510.2	0	78.9	40.5	159				
Surr: 2-Fluorobiphenyl	5.94		10.20		58.2	50	150				
Surr: o-Terphenyl	6.71		10.20		65.7	50	150				

Sample ID: **2507043-002AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **7/3/2025**		RunNo: **101163**		
Client ID: **BATCH**	Batch ID: **48341**					Analysis Date: **7/3/2025**		SeqNo: **2107702**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	512	153	510.7	0	100	40.5	159	402.5	24.0	30	
Surr: 2-Fluorobiphenyl	8.06		10.21		78.9	50	150		0		
Surr: o-Terphenyl	8.91		10.21		87.2	50	150		0		

Sample ID: **2507012-001ADUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **7/3/2025**		RunNo: **101163**		
Client ID: **BATCH**	Batch ID: **48341**					Analysis Date: **7/8/2025**		SeqNo: **2109732**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	58.4						0		30	

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **2507012-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **7/3/2025** RunNo: **101163**
Client ID: **BATCH** Batch ID: **48341** Analysis Date: **7/8/2025** SeqNo: **2109732**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	ND	117						0		30	
Total Petroleum Hydrocarbons	ND	175						0		30	
Surr: 2-Fluorobiphenyl	9.94		11.68		85.1	50	150		0		
Surr: o-Terphenyl	9.95		11.68		85.2	50	150		0		

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel & Oil by NWTPH-Dx with Silica Gel Treatment

Sample ID: **MB-48266** SampType: **MBLK** Units: **mg/Kg** Prep Date: **6/27/2025** RunNo: **101053**
Client ID: **MBLKS** Batch ID: **48266** Analysis Date: **7/1/2025** SeqNo: **2105584**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Heavy Oil	ND	100									Q
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	11.3		10.00		113	50	150				
Surr: o-Terphenyl	10.5		10.00		105	50	150				

NOTES:
Q - Associated calibration verification is below acceptance criteria (83.6%, nominal 85-115%). Result may be low-biased.

Sample ID: **LCS-48266** SampType: **LCS** Units: **mg/Kg** Prep Date: **6/27/2025** RunNo: **101053**
Client ID: **LCSS** Batch ID: **48266** Analysis Date: **7/1/2025** SeqNo: **2105585**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	625	150	500.0	0	125	69.9	125				
Surr: 2-Fluorobiphenyl	13.1		10.00		131	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: **LCSD-48266** SampType: **LCSD** Units: **mg/Kg** Prep Date: **6/27/2025** RunNo: **101053**
Client ID: **LCSS02** Batch ID: **48266** Analysis Date: **7/1/2025** SeqNo: **2105586**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	574	150	500.0	0	115	69.9	125	625.1	8.46	30	
Surr: 2-Fluorobiphenyl	11.5		10.00		115	50	150		0		
Surr: o-Terphenyl	10.4		10.00		104	50	150		0		

Sample ID: **2506514-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101053**
Client ID: **BATCH** Batch ID: **48266** Analysis Date: **7/1/2025** SeqNo: **2105591**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	80,500	150	498.4	76,350	834	53.3	143				S
Surr: 2-Fluorobiphenyl	93.6		9.969		939	50	150				S
Surr: o-Terphenyl	485		9.969		4,870	50	150				S

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel & Oil by NWTPH-Dx with Silica Gel Treatment

Sample ID: **2506514-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101053**
Client ID: **BATCH** Batch ID: **48266** Analysis Date: **7/1/2025** SeqNo: **2105591**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.
S - Outlying surrogate recovery attributed to TPH interference.

Sample ID: **2506514-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101053**
Client ID: **BATCH** Batch ID: **48266** Analysis Date: **7/1/2025** SeqNo: **2105592**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	60,500	149	497.1	76,350	-3,190	53.3	143	80,510	28.4	30	S
Surr: 2-Fluorobiphenyl	58.2		9.941		586	50	150		0		S
Surr: o-Terphenyl	485		9.941		4,880	50	150		0		S

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.
S - Outlying surrogate recovery attributed to TPH interference.

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **MB-48269**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **6/27/2025**	RunNo: **100994**
Client ID: **MBLKS**	Batch ID: **48269**		Analysis Date: **6/27/2025**	SeqNo: **2104062**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0200									
Benz(a)anthracene	ND	0.0200									
Chrysene	ND	0.0200									
Benzo(b)fluoranthene	ND	0.0200									
Benzo(k)fluoranthene	ND	0.0200									
Benzo(a)pyrene	ND	0.0200									
Indeno(1,2,3-cd)pyrene	ND	0.0200									
Dibenz(a,h)anthracene	ND	0.0200									
Surr: 2-Fluorobiphenyl	0.765		1.000		76.5	22.2	146				
Surr: Terphenyl-d14 (surr)	0.919		1.000		91.9	20.2	159				

Sample ID: **LCS-48269**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **6/27/2025**	RunNo: **100994**
Client ID: **LCSS**	Batch ID: **48269**		Analysis Date: **6/27/2025**	SeqNo: **2104063**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2.36	0.0200	2.000	0	118	58.5	121				
Benz(a)anthracene	2.26	0.0200	2.000	0	113	55.3	129				
Chrysene	2.14	0.0200	2.000	0	107	50.4	122				
Benzo(b)fluoranthene	2.44	0.0200	2.000	0	122	52	125				
Benzo(k)fluoranthene	1.84	0.0200	2.000	0	92.1	49.1	126				
Benzo(a)pyrene	2.09	0.0200	2.000	0	104	53.4	125				
Indeno(1,2,3-cd)pyrene	2.31	0.0200	2.000	0	115	52.1	127				
Dibenz(a,h)anthracene	2.35	0.0200	2.000	0	118	52.8	124				
Surr: 2-Fluorobiphenyl	0.815		1.000		81.5	44.7	160				
Surr: Terphenyl-d14 (surr)	0.888		1.000		88.8	52.1	159				

Sample ID: **2506503-013AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **6/27/2025**	RunNo: **100994**
Client ID: **SB47(11)**	Batch ID: **48269**		Analysis Date: **6/27/2025**	SeqNo: **2104206**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3.23	0.0279	2.793	0.04289	114	40.2	142				

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **2506503-013AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **100994**
Client ID: **SB47(11)** Batch ID: **48269** Analysis Date: **6/27/2025** SeqNo: **2104206**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.87	0.0279	2.793	0.3806	125	29.5	158				
Chrysene	2.91	0.0279	2.793	0.8684	73.1	31.4	143				
Benzo(b)fluoranthene	3.10	0.0279	2.793	0.8787	79.7	30	154				
Benzo(k)fluoranthene	3.13	0.0279	2.793	0.2255	104	30.6	148				
Benzo(a)pyrene	3.03	0.0279	2.793	0.5155	90.0	29.3	154				
Indeno(1,2,3-cd)pyrene	3.06	0.0279	2.793	0.2675	100	24.5	150				
Dibenz(a,h)anthracene	3.21	0.0279	2.793	0	115	17.6	152				
Surr: 2-Fluorobiphenyl	1.09		1.397		78.0	44.7	160				
Surr: Terphenyl-d14 (surr)	1.29		1.397		92.5	52.1	159				

Sample ID: **2506503-013AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **100994**
Client ID: **SB47(11)** Batch ID: **48269** Analysis Date: **6/27/2025** SeqNo: **2104207**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3.00	0.0283	2.826	0.04289	105	40.2	142	3.234	7.49	30	
Benz(a)anthracene	3.43	0.0283	2.826	0.3806	108	29.5	158	3.867	12.1	30	
Chrysene	2.55	0.0283	2.826	0.8684	59.4	31.4	143	2.910	13.3	30	
Benzo(b)fluoranthene	3.44	0.0283	2.826	0.8787	90.6	30	154	3.105	10.2	30	
Benzo(k)fluoranthene	2.20	0.0283	2.826	0.2255	70.0	30.6	148	3.131	34.7	30	R
Benzo(a)pyrene	2.69	0.0283	2.826	0.5155	76.9	29.3	154	3.029	11.9	30	
Indeno(1,2,3-cd)pyrene	2.32	0.0283	2.826	0.2675	72.5	24.5	150	3.062	27.7	30	
Dibenz(a,h)anthracene	2.44	0.0283	2.826	0	86.4	17.6	152	3.212	27.2	30	
Surr: 2-Fluorobiphenyl	1.07		1.413		75.4	44.7	160		0		
Surr: Terphenyl-d14 (surr)	1.21		1.413		85.3	52.1	159		0		

NOTES:
R - High RPD observed, spike recovery is within range.

Sample ID: **MB-48321** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/2/2025** RunNo: **101218**
Client ID: **MBLKS** Batch ID: **48321** Analysis Date: **7/2/2025** SeqNo: **2108631**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0200									

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **MB-48321** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/2/2025** RunNo: **101218**
Client ID: **MBLKS** Batch ID: **48321** Analysis Date: **7/2/2025** SeqNo: **2108631**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	0.0200									
1-Methylnaphthalene	ND	0.0200									
Acenaphthylene	ND	0.0200									
Acenaphthene	ND	0.0200									
Fluorene	ND	0.0200									
Phenanthrene	ND	0.0200									
Anthracene	ND	0.0200									
Fluoranthene	ND	0.0200									
Pyrene	ND	0.0200									
Benz(a)anthracene	ND	0.0200									
Chrysene	ND	0.0200									
Benzo(b)fluoranthene	ND	0.0200									
Benzo(k)fluoranthene	ND	0.0200									
Benzo(a)pyrene	ND	0.0200									
Indeno(1,2,3-cd)pyrene	ND	0.0200									
Dibenz(a,h)anthracene	ND	0.0200									
Benzo(g,h,i)perylene	ND	0.0400									
Surr: 2-Fluorobiphenyl	0.697		1.000		69.7	22.2	146				
Surr: Terphenyl-d14 (surr)	0.836		1.000		83.6	20.2	159				

Sample ID: **LCS-48321** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/2/2025** RunNo: **101218**
Client ID: **LCSS** Batch ID: **48321** Analysis Date: **7/2/2025** SeqNo: **2108632**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.81	0.0200	2.000	0	90.6	58.5	121				
2-Methylnaphthalene	1.78	0.0200	2.000	0	88.9	49.7	128				
1-Methylnaphthalene	1.68	0.0200	2.000	0	83.9	53.9	126				
Acenaphthylene	1.88	0.0200	2.000	0	93.9	57	123				
Acenaphthene	1.83	0.0200	2.000	0	91.4	56	121				
Fluorene	1.78	0.0200	2.000	0	89.2	56.6	121				
Phenanthrene	1.69	0.0200	2.000	0	84.7	52.8	124				

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **LCS-48321** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/2/2025** RunNo: **101218**
Client ID: **LCSS** Batch ID: **48321** Analysis Date: **7/2/2025** SeqNo: **2108632**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	1.69	0.0200	2.000	0	84.6	53.7	125				
Fluoranthene	1.74	0.0200	2.000	0	86.9	55.2	125				
Pyrene	1.72	0.0200	2.000	0	86.2	56	124				
Benz(a)anthracene	1.71	0.0200	2.000	0	85.5	55.3	129				
Chrysene	1.76	0.0200	2.000	0	88.2	50.4	122				
Benzo(b)fluoranthene	1.78	0.0200	2.000	0	89.0	52	125				
Benzo(k)fluoranthene	1.65	0.0200	2.000	0	82.7	49.1	126				
Benzo(a)pyrene	1.66	0.0200	2.000	0	83.0	53.4	125				
Indeno(1,2,3-cd)pyrene	1.81	0.0200	2.000	0	90.4	52.1	127				
Dibenz(a,h)anthracene	1.84	0.0200	2.000	0	91.9	52.8	124				
Benzo(g,h,i)perylene	1.74	0.0400	2.000	0	87.1	47.9	130				
Surr: 2-Fluorobiphenyl	0.752		1.000		75.2	44.7	160				
Surr: Terphenyl-d14 (surr)	0.842		1.000		84.2	52.1	159				

Sample ID: **2506575-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/2/2025** RunNo: **101218**
Client ID: **BATCH** Batch ID: **48321** Analysis Date: **7/2/2025** SeqNo: **2108637**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.97	0.0220	2.201	0	89.6	40.2	142				
2-Methylnaphthalene	1.95	0.0220	2.201	0	88.4	30.7	150				
1-Methylnaphthalene	1.90	0.0220	2.201	0	86.3	34.3	148				
Acenaphthylene	2.05	0.0220	2.201	0	93.3	29.4	156				
Acenaphthene	1.98	0.0220	2.201	0	89.9	39.5	139				
Fluorene	1.92	0.0220	2.201	0	87.3	36.2	144				
Phenanthrene	1.84	0.0220	2.201	0	83.5	31.1	147				
Anthracene	1.86	0.0220	2.201	0.003717	84.5	34.3	145				
Fluoranthene	1.87	0.0220	2.201	0	84.9	33.6	152				
Pyrene	1.85	0.0220	2.201	0	83.8	28.1	156				
Benz(a)anthracene	1.83	0.0220	2.201	0	83.1	29.5	158				
Chrysene	1.90	0.0220	2.201	0	86.3	31.4	143				
Benzo(b)fluoranthene	1.98	0.0220	2.201	0	89.8	30	154				

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **2506575-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **7/2/2025** RunNo: **101218**
Client ID: **BATCH** Batch ID: **48321** Analysis Date: **7/2/2025** SeqNo: **2108637**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	1.65	0.0220	2.201	0	75.0	30.6	148				
Benzo(a)pyrene	1.79	0.0220	2.201	0	81.4	29.3	154				
Indeno(1,2,3-cd)pyrene	1.94	0.0220	2.201	0	88.3	24.5	150				
Dibenz(a,h)anthracene	2.03	0.0220	2.201	0	92.3	17.6	152				
Benzo(g,h,i)perylene	1.96	0.0440	2.201	0	89.2	16.4	152				
Surr: 2-Fluorobiphenyl	0.811		1.101		73.6	44.7	160				
Surr: Terphenyl-d14 (surr)	0.884		1.101		80.3	52.1	159				

Sample ID: **2506575-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/2/2025** RunNo: **101218**
Client ID: **BATCH** Batch ID: **48321** Analysis Date: **7/2/2025** SeqNo: **2108638**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.97	0.0216	2.157	0	91.5	40.2	142	1.972	0.123	30	
2-Methylnaphthalene	1.94	0.0216	2.157	0	90.1	30.7	150	1.946	0.131	30	
1-Methylnaphthalene	1.91	0.0216	2.157	0	88.6	34.3	148	1.899	0.655	30	
Acenaphthylene	2.05	0.0216	2.157	0	94.9	29.4	156	2.055	0.375	30	
Acenaphthene	2.00	0.0216	2.157	0	92.5	39.5	139	1.978	0.889	30	
Fluorene	1.92	0.0216	2.157	0	89.1	36.2	144	1.922	0.0471	30	
Phenanthrene	1.84	0.0216	2.157	0	85.5	31.1	147	1.837	0.356	30	
Anthracene	1.87	0.0216	2.157	0.003717	86.6	34.3	145	1.864	0.409	30	
Fluoranthene	1.86	0.0216	2.157	0	86.1	33.6	152	1.868	0.608	30	
Pyrene	1.86	0.0216	2.157	0	86.4	28.1	156	1.845	0.931	30	
Benz(a)anthracene	1.78	0.0216	2.157	0	82.4	29.5	158	1.829	2.90	30	
Chrysene	1.91	0.0216	2.157	0	88.3	31.4	143	1.900	0.298	30	
Benzo(b)fluoranthene	1.97	0.0216	2.157	0	91.5	30	154	1.977	0.173	30	
Benzo(k)fluoranthene	1.54	0.0216	2.157	0	71.5	30.6	148	1.652	6.87	30	
Benzo(a)pyrene	1.79	0.0216	2.157	0	83.1	29.3	154	1.792	0.0409	30	
Indeno(1,2,3-cd)pyrene	1.92	0.0216	2.157	0	88.8	24.5	150	1.945	1.50	30	
Dibenz(a,h)anthracene	1.98	0.0216	2.157	0	91.7	17.6	152	2.031	2.64	30	
Benzo(g,h,i)perylene	1.93	0.0431	2.157	0	89.6	16.4	152	1.963	1.50	30	
Surr: 2-Fluorobiphenyl	0.802		1.078		74.4	44.7	160		0		

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **2506575-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **7/2/2025** RunNo: **101218**
Client ID: **BATCH** Batch ID: **48321** Analysis Date: **7/2/2025** SeqNo: **2108638**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14 (surr)	0.889		1.078		82.4	52.1	159		0		

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PCBs by EPA Method 8082A

Sample ID: **MB-48262** SampType: **MBLK** Units: **mg/Kg** Prep Date: **6/26/2025** RunNo: **101028**
Client ID: **MBLKS** Batch ID: **48262** Analysis Date: **6/28/2025** SeqNo: **2104890**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0200									
Aroclor 1221	ND	0.0200									
Aroclor 1232	ND	0.0200									
Aroclor 1242	ND	0.0200									
Aroclor 1248	ND	0.0200									
Aroclor 1254	ND	0.0200									
Aroclor 1260	ND	0.0200									
Aroclor 1262	ND	0.0200									
Aroclor 1268	ND	0.0200									
Total PCBs	ND	0.0200									
Surr: Decachlorobiphenyl	315		200.0		157	39.9	158				
Surr: Tetrachloro-m-xylene	266		200.0		133	53.9	160				

Sample ID: **LCS-48262** SampType: **LCS** Units: **mg/Kg** Prep Date: **6/26/2025** RunNo: **101028**
Client ID: **LCSS** Batch ID: **48262** Analysis Date: **6/28/2025** SeqNo: **2104891**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.27	0.0200	1.000	0	127	53	160				
Aroclor 1260	1.27	0.0200	1.000	0	127	51.1	160				
Surr: Decachlorobiphenyl	324		200.0		162	36.6	160				S
Surr: Tetrachloro-m-xylene	268		200.0		134	53.9	159				

NOTES:
S - Outlying surrogate recovery observed.

Sample ID: **2506503-008AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/26/2025** RunNo: **101028**
Client ID: **SB45(5)** Batch ID: **48262** Analysis Date: **6/30/2025** SeqNo: **2104897**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.68	0.0233	1.166	0	144	51	160				
Aroclor 1260	1.50	0.0233	1.166	0	128	51.8	160				
Surr: Decachlorobiphenyl	374		233.3		161	36.6	160				S
Surr: Tetrachloro-m-xylene	372		233.3		159	53.9	159				S

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PCBs by EPA Method 8082A

Sample ID: **2506503-008AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/26/2025** RunNo: **101028**
Client ID: **SB45(5)** Batch ID: **48262** Analysis Date: **6/30/2025** SeqNo: **2104897**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying surrogate recovery observed.

Sample ID: **2506503-008AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **6/26/2025** RunNo: **101028**
Client ID: **SB45(5)** Batch ID: **48262** Analysis Date: **6/30/2025** SeqNo: **2104898**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.55	0.0235	1.173	0	132	51	160	1.678	8.05	30	
Aroclor 1260	1.53	0.0235	1.173	0	130	51.8	160	1.496	1.96	30	
Surr: Decachlorobiphenyl	353		234.7		150	36.6	160		0		
Surr: Tetrachloro-m-xylene	347		234.7		148	53.9	159		0		

Sample ID: **MB-48342** SampType: **MBLK** Units: **mg/Kg** Prep Date: **7/3/2025** RunNo: **101170**
Client ID: **MBLKS** Batch ID: **48342** Analysis Date: **7/3/2025** SeqNo: **2107828**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0200									
Aroclor 1221	ND	0.0200									
Aroclor 1232	ND	0.0200									
Aroclor 1242	ND	0.0200									
Aroclor 1248	ND	0.0200									
Aroclor 1254	ND	0.0200									
Aroclor 1260	ND	0.0200									
Aroclor 1262	ND	0.0200									
Aroclor 1268	ND	0.0200									
Total PCBs	ND	0.0200									
Surr: Decachlorobiphenyl	357		200.0		179	39.9	158				S
Surr: Tetrachloro-m-xylene	303		200.0		152	53.9	160				

NOTES:
S - Outlying surrogate recovery observed.

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PCBs by EPA Method 8082A

Sample ID: **LCS-48342** SampType: **LCS** Units: **mg/Kg** Prep Date: **7/3/2025** RunNo: **101170**
Client ID: **LCSS** Batch ID: **48342** Analysis Date: **7/3/2025** SeqNo: **2107829**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.22	0.0200	1.000	0	122	53	160				
Aroclor 1260	1.14	0.0200	1.000	0	114	51.1	160				
Surr: Decachlorobiphenyl	328		200.0		164	36.6	160				S
Surr: Tetrachloro-m-xylene	281		200.0		140	53.9	159				

NOTES:
S - Outlying surrogate recovery observed.

Sample ID: **LCSD-48342** SampType: **LCSD** Units: **mg/Kg** Prep Date: **7/3/2025** RunNo: **101170**
Client ID: **LCSS02** Batch ID: **48342** Analysis Date: **7/3/2025** SeqNo: **2107830**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.32	0.0200	1.000	0	132	53	160	1.216	8.25	20	
Aroclor 1260	1.24	0.0200	1.000	0	124	51.1	160	1.142	8.54	20	
Surr: Decachlorobiphenyl	335		200.0		168	36.6	160		0		S
Surr: Tetrachloro-m-xylene	283		200.0		141	53.9	159		0		

NOTES:
S - Outlying surrogate recovery observed.

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-48272**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **6/27/2025**	RunNo: **101015**
Client ID: **LCSS**	Batch ID: **48272**		Analysis Date: **6/27/2025**	SeqNo: **2104508**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	21.9	5.00	25.00	0	87.6	65	135				
Surr: Toluene-d8	1.10		1.250		88.4	65	135				
Surr: 4-Bromofluorobenzene	1.18		1.250		94.5	65	135				

Sample ID: **MB-48272**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **6/27/2025**	RunNo: **101015**
Client ID: **MBLKS**	Batch ID: **48272**		Analysis Date: **6/27/2025**	SeqNo: **2104495**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	5.00									
Surr: Toluene-d8	1.21		1.250		96.9	65	135				
Surr: 4-Bromofluorobenzene	1.21		1.250		97.2	65	135				

Sample ID: **2506514-002BMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **6/27/2025**	RunNo: **101015**
Client ID: **BATCH**	Batch ID: **48272**		Analysis Date: **6/27/2025**	SeqNo: **2104498**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	27.8	5.83	29.17	3.867	82.0	65	135				
Surr: Toluene-d8	1.32		1.458		90.6	65	135				
Surr: 4-Bromofluorobenzene	1.41		1.458		96.6	65	135				

Sample ID: **2506503-003BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **6/27/2025**	RunNo: **101015**
Client ID: **SB43(5)**	Batch ID: **48272**		Analysis Date: **6/27/2025**	SeqNo: **2104501**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	5.30						0		30	
Surr: Toluene-d8	1.28		1.326		96.3	65	135		0		
Surr: 4-Bromofluorobenzene	1.31		1.326		98.7	65	135		0		

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **LCS-48272** SampType: **LCS** Units: **µg/L** Prep Date: **6/27/2025** RunNo: **101007**
Client ID: **LCSS** Batch ID: **48272** Analysis Date: **6/27/2025** SeqNo: **2104398**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.255	0.0250	0.2500	0	102	80	120				
1,1-DCE	0.257	0.0250	0.2500	0	103	80	120				
Methylene chloride	0.269	0.0100	0.2500	0	108	80	120				
trans-1,2-Dichloroethene	0.253	0.0250	0.2500	0	101	80	120				
cis-1,2-Dichloroethene	0.262	0.0250	0.2500	0	105	80	120				
(MEK) 2-Butanone	0.691	0.250	0.6250	0	110	80	120				
1,1,1-Trichloroethane (TCA)	0.272	0.0250	0.2500	0	109	80	120				
Benzene	0.263	0.0120	0.2500	0	105	80	120				
Trichloroethene (TCE)	0.250	0.0200	0.2500	0	99.9	80	120				
Methyl methacrylate	0.290	0.0250	0.2500	0	116	80	120				
Toluene	0.260	0.0250	0.2500	0	104	80	120				
Methyl Isobutyl Ketone (MIBK)	0.689	0.100	0.6250	0	110	80	120				
Tetrachloroethene (PCE)	0.262	0.0250	0.2500	0	105	80	120				
Ethylbenzene	0.239	0.0250	0.2500	0	95.7	80	120				
m,p-Xylene	0.483	0.0500	0.5000	0	96.6	80	120				
o-Xylene	0.242	0.0250	0.2500	0	96.6	80	120				
Styrene	0.239	0.0250	0.2500	0	95.7	80	120				
Surr: Dibromofluoromethane	1.34		1.250		107	74.8	121				
Surr: Toluene-d8	1.31		1.250		105	79.6	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	53	139				

Sample ID: **MB-48272** SampType: **MBLK** Units: **mg/Kg** Prep Date: **6/27/2025** RunNo: **101007**
Client ID: **MBLKS** Batch ID: **48272** Analysis Date: **6/27/2025** SeqNo: **2104384**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-DCE	ND	0.0250									
Methylene chloride	ND	0.0100									
trans-1,2-Dichloroethene	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.250									

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **MB-48272** SampType: **MBLK** Units: **mg/Kg** Prep Date: **6/27/2025** RunNo: **101007**
Client ID: **MBLKS** Batch ID: **48272** Analysis Date: **6/27/2025** SeqNo: **2104384**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane (TCA)	ND	0.0250									
Benzene	ND	0.0120									
Trichloroethene (TCE)	ND	0.0200									
Methyl methacrylate	ND	0.0250									
Toluene	ND	0.0250									
Methyl Isobutyl Ketone (MIBK)	ND	0.100									
Tetrachloroethene (PCE)	ND	0.0250									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Surr: Dibromofluoromethane	1.29		1.250		103	79.5	124				
Surr: Toluene-d8	1.33		1.250		106	77.5	124				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	60.5	139				

Sample ID: **2506503-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101007**
Client ID: **SB42(7)** Batch ID: **48272** Analysis Date: **6/27/2025** SeqNo: **2104388**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.262	0.0317	0.3169	0	82.8	38.1	159				
1,1-DCE	0.264	0.0317	0.3169	0	83.4	54.2	149				
Methylene chloride	0.276	0.0127	0.3169	0	87.0	60.5	121				
trans-1,2-Dichloroethene	0.235	0.0317	0.3169	0	74.1	61.4	134				
cis-1,2-Dichloroethene	0.253	0.0317	0.3169	0	79.9	68.3	125				
(MEK) 2-Butanone	0.748	0.317	0.7924	0	94.4	40.5	157				
1,1,1-Trichloroethane (TCA)	0.270	0.0317	0.3169	0	85.3	58.7	139				
Benzene	0.258	0.0152	0.3169	0	81.5	64.8	130				
Trichloroethene (TCE)	0.243	0.0254	0.3169	0	76.6	62.1	133				
Methyl methacrylate	0.309	0.0317	0.3169	0	97.5	64.8	143				
Toluene	0.252	0.0317	0.3169	0	79.6	64.5	127				
Methyl Isobutyl Ketone (MIBK)	0.777	0.127	0.7924	0	98.1	62.5	143				

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **2506503-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101007**
Client ID: **SB42(7)** Batch ID: **48272** Analysis Date: **6/27/2025** SeqNo: **2104388**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.262	0.0317	0.3169	0	82.5	61.9	140				
Ethylbenzene	0.239	0.0317	0.3169	0	75.3	68.7	122				
m,p-Xylene	0.484	0.0634	0.6339	0	76.4	69.1	122				
o-Xylene	0.252	0.0317	0.3169	0	79.6	72.4	118				
Styrene	0.246	0.0317	0.3169	0	77.5	70.8	123				
Surr: Dibromofluoromethane	1.67		1.585		105	74.8	121				
Surr: Toluene-d8	1.64		1.585		104	79.6	120				
Surr: 1-Bromo-4-fluorobenzene	1.65		1.585		104	53	139				

Sample ID: **2506503-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101007**
Client ID: **SB43(5)** Batch ID: **48272** Analysis Date: **6/27/2025** SeqNo: **2104391**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0265						0		30	
1,1-DCE	ND	0.0265						0		30	
Methylene chloride	ND	0.0106						0		30	
trans-1,2-Dichloroethene	ND	0.0265						0		30	
cis-1,2-Dichloroethene	ND	0.0265						0		30	
(MEK) 2-Butanone	ND	0.265						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0265						0		30	
Benzene	ND	0.0127						0		30	
Trichloroethene (TCE)	ND	0.0212						0		30	
Toluene	ND	0.0265						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.106						0		30	
Tetrachloroethene (PCE)	ND	0.0265						0		30	
Ethylbenzene	ND	0.0265						0		30	
m,p-Xylene	ND	0.0530						0		30	
o-Xylene	ND	0.0265						0		30	
Styrene	ND	0.0265						0		30	
Surr: Dibromofluoromethane	1.36		1.326		103	74.8	121		0		
Surr: Toluene-d8	1.42		1.326		107	79.6	120		0		

Work Order: 2506503
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **2506503-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **6/27/2025** RunNo: **101007**
Client ID: **SB43(5)** Batch ID: **48272** Analysis Date: **6/27/2025** SeqNo: **2104391**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	1.37		1.326		103	53	139		0		

Sample Log-In Check List

Client Name:	**AEROTE**	Work Order Number:	**2506503**
Logged by:	**Morgan Wilson**	Date Received:	**6/24/2025 3:45:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☑	No ☐	NA ☐ MeOH
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	6.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 6/24/25 Page: 1 of: 2

Project Name: Moditech (Mod)

Project No: -

Collected by: Nick Gerkin

Location: 2218 Marine View Dr, Tacoma

Report To (PM): Nick Gerkin

Laboratory Project No (internal): 2506503

Special Remarks: VOCs = styrene methyl methacrylate

TCE MC PCE + Breakdown TCA MEK MIBK

Please Run For Listed VOCs ~~including tentatively identified~~. only

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Client: Aerotech Environmental Consulting
Address: 17837 1st Ave S
City, State, Zip: Normandy Park, WA 98148
Telephone: 206 482 2287
Email(s): nick@dirtydirt.us

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SB42(7)	6/23/25	0930	S	3	X											
2	SB42(12)		0945														
3	SB43(5)		1015			X											
4	SB43(9)		1025														
5	SB43(11)		1035														
6	SB44(7)		1110			X											
7	SB44(11)		1120														
8	SB45(5)		1225			X			X			X					SGC
9	SB45(8)		1235														
10	SB46(6)		1305			X			X			X					SGC

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☑ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Alliance Technical Group LLC on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Nick Gerkin	6/24/25 1200	x	Hudson Gerkin	6/24/25 1230
x	Hudson Gerkin	6/24/25	x	gina gerrard	6/24/25 3:45PM

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 6/24/25 Page: 2 of: 2

Laboratory Project No (internal): 2506503

Project Name: Moditech (MOD)

Special Remarks: ~~PCB~~ VOC List to include chems listed on Page 1 ~~and Total Petroleum Hydrocarbons (TPH)~~ Styrene, MC, TCA, MEK, MIBK PCE + Breakdown, methyl methacrylate

Project No: —

Collected by: Nick Gerkin

Location: 2218 Marine View Dr, Tacoma

Report To (PM): Nick Gerkin

Disposal: Samples will be disposed in 30 days unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Client: Aerotech Environmental Consulting

Address: 17837 1st Ave S.

City, State, Zip: Normandy Park, WA 98148

Telephone: 206 482 2287

Email(s): nick@dirtydirt.us

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM) cPAHs	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 SB46(10)	6/23/25	1315	S	3												
2 SB47(9)		1455		3												
3 SB47(11)		1510		2	X			X		X						SB47(11) 1510, 10g soil in VOA
4 SB47(15)		1530		3												
5																
6																
7																
8																
9																
10																

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

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x	Hudson Gerkin	6/24/25	x	Emma Gerard	6/24/25 3:45PM

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 6/24/25 Page: 1 of: 2

Laboratory Project No (internal): 2506503

Project Name: Moditech (Mod)

Special Remarks: VOCs = styrene methyl methacrylate

TCE MC PCE + Breakdown TCA MEK MIBK

Please Run For Listed VOCs ~~including tentatively identified~~. only

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Client: Aerotech Environmental Consulting

Address: 17837 1st Ave S

City, State, Zip: Normandy Park, WA 98148

Telephone: 206 482 2287

Email(s): nick@dirtydirt.us

Project No:

Collected by: Nick Gerkin

Location: 2218 Marine View Dr, Tacoma

Report To (PM): Nick Gerkin

Add On per NG -mw 7/2/25

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SB42(7)	6/23/25	0930	S	3	X											
2	SB42(12)		0945														
3	SB43(5)		1015			X											
4	SB43(9)		1025														
5	SB43(11)		1035														
6	SB44(7)		1110			X											
7	SB44(11)		1120														
8	SB45(5)		1225			X	X	X		X		X	X	X			SGC
9	SB45(8)		1235														
10	SB46(6)		1305			X	X	X		X		X	X	X			SGC

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☑ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

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x	Hudson Gerkin	6/24/25	x	gina gerrard	6/24/25 3:45PM

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 6/24/25 Page: 2 of: 2

Laboratory Project No (internal): 2506503

Project Name: Moditech (MOD)

Project No: –

Client: Aerotech Environmental Consulting

Address: 17837 1st Ave S.

City, State, Zip: Normandy Park, WA 98148

Telephone: 206 482 2287

Collected by: Nick Gerkin

Location: 2218 Marine View Dr, Tacoma

Report To (PM): Nick Gerkin

Email(s): nick@dirtydirt.us

Special Remarks: ~~PCE~~ VOC List to include chems listed on Page 1 ~~and Total Petroleum Hydrocarbons (TPH)~~ Styrene, MC, TCA, MEK, MIBK PCE + Breakdown, methyl methacrylate

Disposal: Samples will be disposed in 30 days unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM) cPAHs	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 SB46(10)	6/23/25	1315	S	3				X			X					
2 SB47(9)		1455		3												
3 SB47(11)		~~1510~~ 1520		2	X	X	X		X	X	X	X				SB47(11) 1520, 10g soil in VOA
4 SB47(15)		1530		3				X		X						
5																
6																
7																
8																
9																
10																

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☐ 2 Day (specify)

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x	Hudson Gerkin	6/24/25	x	Emma Gerard	6/24/25 3:45PM

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 6/24/25 Page: 1 of: 2

Laboratory Project No (internal): 2506503

Project Name: Moditech (Mod)

Special Remarks: VOCs = styrene methyl methacrylate

TCE PCE + Breakdown MC TCA MEK MIBK

Please Run For Listed VOCs including ~~those not listed~~. only

Client: Aerotech Environmental Consulting

Project No: -

Address: 17837 1st Ave S

Collected by: Nick Gerkin

City, State, Zip: Normandy Park, WA 98148

Location: 2218 Marine View Dr, Tacoma

Telephone: 206 482 2287

Report To (PM): Nick Gerkin

Email(s): nick@dirtydirt.us

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Add On per NG -mw 7/2/25

Add On per NG, 3 day TAT -mw 7/14/25

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SB42(7)	6/23/25	0930	S	3	X	X											
2	SB42(12)		0945															
3	SB43(5)		1015			X	X											
4	SB43(9)		1025															
5	SB43(11)		1035															
6	SB44(7)		1110			X	X											
7	SB44(11)		1120															
8	SB45(5)		1225			X	X	X	X		X	X	X					SGC
9	SB45(8)		1235															
10	SB46(6)		1305			X	X	X	X		X	X	X					SGC

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☑ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

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x	Hudson Gerkin	6/24/25	x	gina gerrard	6/24/25 3:45PM

Alliance TECHNICAL GROUP

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 6/24/25 | Page: 2 of: 2 | Laboratory Project No (internal): 2506503

Client: Aerotech Environmental Consulting
Address: 17837 1st Ave S.
City, State, Zip: Normandy Park, WA 98148
Telephone: 206 482 2287
Email(s): nick@dirtydirt.us

Project Name: Modutech (Mod)
Project No: —
Collected by: Nick Gerkin
Location: 2218 Marine View Dr, Tacoma
Report To (PM): Nick Gerkin

Special Remarks: VOC List to include chems listed on Page 1 ~~add these to normal list~~ Styrene, MC, TCA, MEK, MIBK, PCE + Breakdown, methyl methacrylate

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Add On per NG, 3 day TAT -mw 7/14/25

*CPAHS + Naphthalene

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM) *cPAHs	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SB46(10)	6/23/25	1315	S	3					X			X	X				As, Pb, Cr, Cd
2	SB47(9)	↓	1455	↓	3													
3	SB47(~~11~~)	↓	~~1510~~	↓	2	X	X	X		X		X	X	X				SB47(11) 1510, 10g soil in VOA
4	SB47(15)	↓	1530	↓	3					X		X		X				As, Pb, Cr, Cd
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

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Turn-around Time: ☒ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☐ 2 Day ____ (specify)

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x [signature]	Nick Gerkin	6/24/25 1200	x [signature]	Hudson Gerkin	6/24/25 1230
x [signature]	Hudson Gerkin	6/24/25	x [signature]	Anna Gerrard	6/24/25 3:45PM

3600 Fremont Ave N
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aerotech
Nick Gerkin
17837 1st Ave S #556
Normandy Park, WA 98148

RE: Modutech (Mod),
Work Order Number: 2506502

July 16, 2025

Attention Nick Gerkin:

Alliance Technical Group, LLC - Seattle received 8 sample(s) on 6/24/2025 for the analyses presented in the following report.

Diesel & Oil by NWTPH-Dx with Silica Gel Treatment
Diesel and Heavy Oil by NWTPH-Dx
PAHs by EPA Method 8270E SIM
PCBs by EPA Method 8082A
Volatile Organic Compounds by EPA 8260D

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

Lyann Rivera
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing

Date: *07/16/2025*

CLIENT: Aerotech
Project: Modutech (Mod)
Work Order: 2506502

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2506502-001	SB42(W)	06/23/2025 4:40 PM	06/24/2025 3:30 PM
2506502-002	SB43(W)	06/23/2025 4:55 PM	06/24/2025 3:30 PM
2506502-003	SB44(W)	06/23/2025 5:10 PM	06/24/2025 3:30 PM
2506502-004	SB45(W)	06/23/2025 5:25 PM	06/24/2025 3:30 PM
2506502-005	SB46(W)	06/23/2025 5:40 PM	06/24/2025 3:30 PM
2506502-006	SB47(W)	06/23/2025 5:55 PM	06/24/2025 3:30 PM
2506502-007	SB48(W)	06/23/2025 6:10 PM	06/24/2025 3:30 PM
2506502-008	SB49(W)	06/23/2025 6:25 PM	06/24/2025 3:30 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2506502**
Date: **7/16/2025**

CLIENT: Aerotech
Project: Modutech (Mod)

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2506502-004C) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2506502-005C) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2506502-004C) required Florisil Cleanup Procedure (Using Method No 3620C).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2506502-005C) required Florisil Cleanup Procedure (Using Method No 3620C).

7/16/2025: Rev1 includes additional analysis per client request.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2506502**
Date Reported: **7/16/2025**

Client: Aerotech
Collection Date: 6/23/2025 4:40:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-001
Matrix: Water
Client Sample ID: **SB42(W)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA 8260D				Batch ID: 48245		Analyst: KJ
Vinyl chloride	ND	0.200		µg/L	1	6/25/2025 5:35:59 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
Methylene chloride	ND	2.00		µg/L	1	6/25/2025 5:35:59 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
2-Butanone (MEK)	ND	5.00		µg/L	1	6/25/2025 5:35:59 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
Benzene	ND	0.200		µg/L	1	6/25/2025 5:35:59 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
Methyl methacrylate	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
Toluene	2.01	0.500		µg/L	1	6/25/2025 5:35:59 PM
Methyl Isobutyl Ketone (MIBK)	ND	2.50		µg/L	1	6/25/2025 5:35:59 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
Ethylbenzene	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
m,p-Xylene	ND	1.00		µg/L	1	6/25/2025 5:35:59 PM
o-Xylene	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
Styrene	ND	0.500		µg/L	1	6/25/2025 5:35:59 PM
Surr: Dibromofluoromethane	105	79.9 - 122		%Rec	1	6/25/2025 5:35:59 PM
Surr: Toluene-d8	102	80 - 121		%Rec	1	6/25/2025 5:35:59 PM
Surr: 1-Bromo-4-fluorobenzene	100	79.7 - 120		%Rec	1	6/25/2025 5:35:59 PM

Analytical Report

Work Order: **2506502**
Date Reported: **7/16/2025**

Client: Aerotech
Collection Date: 6/23/2025 4:55:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-002
Matrix: Water
Client Sample ID: **SB43(W)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA 8260D				Batch ID: 48245		Analyst: KJ
Vinyl chloride	ND	0.200		µg/L	1	6/25/2025 6:01:16 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
Methylene chloride	ND	2.00		µg/L	1	6/25/2025 6:01:16 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
2-Butanone (MEK)	ND	5.00		µg/L	1	6/25/2025 6:01:16 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
Benzene	ND	0.200		µg/L	1	6/25/2025 6:01:16 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
Methyl methacrylate	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
Toluene	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
Methyl Isobutyl Ketone (MIBK)	ND	2.50		µg/L	1	6/25/2025 6:01:16 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
Ethylbenzene	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
m,p-Xylene	ND	1.00		µg/L	1	6/25/2025 6:01:16 PM
o-Xylene	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
Styrene	ND	0.500		µg/L	1	6/25/2025 6:01:16 PM
Surr: Dibromofluoromethane	102	79.9 - 122		%Rec	1	6/25/2025 6:01:16 PM
Surr: Toluene-d8	102	80 - 121		%Rec	1	6/25/2025 6:01:16 PM
Surr: 1-Bromo-4-fluorobenzene	97.3	79.7 - 120		%Rec	1	6/25/2025 6:01:16 PM

Client: Aerotech
Collection Date: 6/23/2025 5:10:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-003
Matrix: Water
Client Sample ID: **SB44(W)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA 8260D				Batch ID: 48245		Analyst: KJ
Vinyl chloride	ND	0.200		µg/L	1	6/25/2025 6:26:35 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
Methylene chloride	ND	2.00		µg/L	1	6/25/2025 6:26:35 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
2-Butanone (MEK)	ND	5.00		µg/L	1	6/25/2025 6:26:35 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
Benzene	ND	0.200		µg/L	1	6/25/2025 6:26:35 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
Methyl methacrylate	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
Toluene	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
Methyl Isobutyl Ketone (MIBK)	ND	2.50		µg/L	1	6/25/2025 6:26:35 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
Ethylbenzene	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
m,p-Xylene	ND	1.00		µg/L	1	6/25/2025 6:26:35 PM
o-Xylene	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
Styrene	ND	0.500		µg/L	1	6/25/2025 6:26:35 PM
Surr: Dibromofluoromethane	104	79.9 - 122		%Rec	1	6/25/2025 6:26:35 PM
Surr: Toluene-d8	101	80 - 121		%Rec	1	6/25/2025 6:26:35 PM
Surr: 1-Bromo-4-fluorobenzene	97.0	79.7 - 120		%Rec	1	6/25/2025 6:26:35 PM

Client: Aerotech
Collection Date: 6/23/2025 5:25:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-004
Matrix: Water
Client Sample ID: **SB45(W)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBs by EPA Method 8082A				Batch ID: 48246		Analyst: CO
Aroclor 1016	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Aroclor 1221	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Aroclor 1232	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Aroclor 1242	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Aroclor 1248	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Aroclor 1254	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Aroclor 1260	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Aroclor 1262	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Aroclor 1268	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Total PCBs	ND	0.0202		µg/L	1	6/26/2025 8:13:07 PM
Surr: Decachlorobiphenyl	105	5.42 - 149		%Rec	1	6/26/2025 8:13:07 PM
Surr: Tetrachloro-m-xylene	87.6	20.8 - 127		%Rec	1	6/26/2025 8:13:07 PM
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 48247		Analyst: ZD
Diesel Range Organics	381	94.3		µg/L	1	6/27/2025 1:16:09 PM
Heavy Oil	ND	141		µg/L	1	6/27/2025 1:16:09 PM
Total Petroleum Hydrocarbons	381	236		µg/L	1	6/27/2025 1:16:09 PM
Surr: 2-Fluorobiphenyl	75.4	50 - 150		%Rec	1	6/27/2025 1:16:09 PM
Surr: o-Terphenyl	53.6	50 - 150		%Rec	1	6/27/2025 1:16:09 PM
NOTES: Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material						
Diesel & Oil by NWTPH-Dx with Silica Gel Treatment				Batch ID: 48247		Analyst: ZD
Diesel Range Organics	321	94.3		µg/L	1	6/27/2025 12:28:39 PM
Heavy Oil	ND	141		µg/L	1	6/27/2025 12:28:39 PM
Total Petroleum Hydrocarbons	321	236		µg/L	1	6/27/2025 12:28:39 PM
Surr: 2-Fluorobiphenyl	65.3	50 - 150		%Rec	1	6/27/2025 12:28:39 PM
Surr: o-Terphenyl	50.4	50 - 150		%Rec	1	6/27/2025 12:28:39 PM
NOTES: Chromatographic pattern indicates an unresolved complex mixture, which may be weathered material						
PAHs by EPA Method 8270E SIM				Batch ID: 48302		Analyst: SH
Naphthalene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
2-Methylnaphthalene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
1-Methylnaphthalene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Acenaphthene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM

Client: Aerotech
Collection Date: 6/23/2025 5:25:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-004
Matrix: Water
Client Sample ID: SB45(W)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAHs by EPA Method 8270E SIM				Batch ID: 48302		Analyst: SH
Acenaphthylene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Fluorene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Phenanthrene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Anthracene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Fluoranthene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Pyrene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Benz(a)anthracene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Chrysene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Benzo(b)fluoranthene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Benzo(k)fluoranthene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Benzo(a)pyrene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Indeno(1,2,3-cd)pyrene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Dibenz(a,h)anthracene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Benzo(g,h,i)perylene	ND	0.0968		µg/L	1	7/3/2025 10:00:29 PM
Surr: 2-Fluorobiphenyl	58.5	35.8 - 144		%Rec	1	7/3/2025 10:00:29 PM
Surr: Terphenyl-d14	74.5	31.4 - 156		%Rec	1	7/3/2025 10:00:29 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 48245		Analyst: KJ
Vinyl chloride	ND	0.200		µg/L	1	6/25/2025 6:51:53 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
Methylene chloride	ND	2.00		µg/L	1	6/25/2025 6:51:53 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
2-Butanone (MEK)	ND	5.00		µg/L	1	6/25/2025 6:51:53 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
Benzene	ND	0.200		µg/L	1	6/25/2025 6:51:53 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
Methyl methacrylate	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
Toluene	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
Methyl Isobutyl Ketone (MIBK)	ND	2.50		µg/L	1	6/25/2025 6:51:53 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
Ethylbenzene	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
m,p-Xylene	ND	1.00		µg/L	1	6/25/2025 6:51:53 PM
o-Xylene	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
Styrene	ND	0.500		µg/L	1	6/25/2025 6:51:53 PM
Surr: Dibromofluoromethane	104	79.9 - 122		%Rec	1	6/25/2025 6:51:53 PM
Surr: Toluene-d8	102	80 - 121		%Rec	1	6/25/2025 6:51:53 PM
Surr: 1-Bromo-4-fluorobenzene	90.2	79.7 - 120		%Rec	1	6/25/2025 6:51:53 PM

Client: Aerotech
Collection Date: 6/23/2025 5:40:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-005
Matrix: Water
Client Sample ID: SB46(W)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBs by EPA Method 8082A				Batch ID: 48246		Analyst: CO
Aroclor 1016	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Aroclor 1221	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Aroclor 1232	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Aroclor 1242	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Aroclor 1248	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Aroclor 1254	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Aroclor 1260	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Aroclor 1262	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Aroclor 1268	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Total PCBs	ND	0.0189		µg/L	1	6/26/2025 8:22:39 PM
Surr: Decachlorobiphenyl	76.7	5.42 - 149		%Rec	1	6/26/2025 8:22:39 PM
Surr: Tetrachloro-m-xylene	88.0	20.8 - 127		%Rec	1	6/26/2025 8:22:39 PM
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 48247		Analyst: ZD
Diesel Range Organics	1,420	93.6		µg/L	1	6/27/2025 1:28:00 PM
Heavy Oil	ND	140		µg/L	1	6/27/2025 1:28:00 PM
Total Petroleum Hydrocarbons	1,420	234		µg/L	1	6/27/2025 1:28:00 PM
Surr: 2-Fluorobiphenyl	82.1	50 - 150		%Rec	1	6/27/2025 1:28:00 PM
Surr: o-Terphenyl	84.5	50 - 150		%Rec	1	6/27/2025 1:28:00 PM
NOTES:						
Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material						
Diesel & Oil by NWTPH-Dx with Silica Gel Treatment				Batch ID: 48247		Analyst: ZD
Diesel Range Organics	ND	93.6		µg/L	1	6/27/2025 12:40:31 PM
Heavy Oil	ND	140		µg/L	1	6/27/2025 12:40:31 PM
Total Petroleum Hydrocarbons	ND	234		µg/L	1	6/27/2025 12:40:31 PM
Surr: 2-Fluorobiphenyl	74.4	50 - 150		%Rec	1	6/27/2025 12:40:31 PM
Surr: o-Terphenyl	82.6	50 - 150		%Rec	1	6/27/2025 12:40:31 PM
PAHs by EPA Method 8270E SIM				Batch ID: 48302		Analyst: SH
Naphthalene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
2-Methylnaphthalene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
1-Methylnaphthalene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Acenaphthene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Acenaphthylene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Fluorene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM

Client: Aerotech
Collection Date: 6/23/2025 5:40:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-005
Matrix: Water
Client Sample ID: SB46(W)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAHs by EPA Method 8270E SIM				Batch ID: 48302		Analyst: SH
Phenanthrene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Anthracene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Fluoranthene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Pyrene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Benz(a)anthracene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Chrysene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Benzo(b)fluoranthene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Benzo(k)fluoranthene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Benzo(a)pyrene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Indeno(1,2,3-cd)pyrene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Dibenz(a,h)anthracene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Benzo(g,h,i)perylene	ND	0.448		µg/L	1	7/3/2025 10:16:44 PM
Surr: 2-Fluorobiphenyl	64.9	35.8 - 144		%Rec	1	7/3/2025 10:16:44 PM
Surr: Terphenyl-d14	72.6	31.4 - 156		%Rec	1	7/3/2025 10:16:44 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 48245		Analyst: KJ
Vinyl chloride	ND	0.200		µg/L	1	6/25/2025 7:17:11 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
Methylene chloride	ND	2.00		µg/L	1	6/25/2025 7:17:11 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
2-Butanone (MEK)	ND	5.00		µg/L	1	6/25/2025 7:17:11 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
Benzene	0.340	0.200		µg/L	1	6/25/2025 7:17:11 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
Methyl methacrylate	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
Toluene	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
Methyl Isobutyl Ketone (MIBK)	ND	2.50		µg/L	1	6/25/2025 7:17:11 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
Ethylbenzene	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
m,p-Xylene	ND	1.00		µg/L	1	6/25/2025 7:17:11 PM
o-Xylene	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
Styrene	ND	0.500		µg/L	1	6/25/2025 7:17:11 PM
Surr: Dibromofluoromethane	105	79.9 - 122		%Rec	1	6/25/2025 7:17:11 PM
Surr: Toluene-d8	102	80 - 121		%Rec	1	6/25/2025 7:17:11 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	79.7 - 120		%Rec	1	6/25/2025 7:17:11 PM

Client: Aerotech
Collection Date: 6/23/2025 5:55:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-006
Matrix: Water
Client Sample ID: **SB47(W)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 48247		Analyst: ZD
Diesel Range Organics	9,310	93.1		µg/L	1	6/27/2025 1:39:54 PM
Heavy Oil	ND	140		µg/L	1	6/27/2025 1:39:54 PM
Total Petroleum Hydrocarbons	9,310	233		µg/L	1	6/27/2025 1:39:54 PM
Surr: 2-Fluorobiphenyl	69.1	50 - 150		%Rec	1	6/27/2025 1:39:54 PM
Surr: o-Terphenyl	125	50 - 150		%Rec	1	6/27/2025 1:39:54 PM

NOTES:
Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel & Oil by NWTPH-Dx with Silica Gel Treatment				Batch ID: 48247		Analyst: ZD
Diesel Range Organics	8,970	93.1		µg/L	1	6/27/2025 12:52:23 PM
Heavy Oil	ND	140		µg/L	1	6/27/2025 12:52:23 PM
Total Petroleum Hydrocarbons	8,970	233		µg/L	1	6/27/2025 12:52:23 PM
Surr: 2-Fluorobiphenyl	12.8	50 - 150	S	%Rec	1	6/27/2025 12:52:23 PM
Surr: o-Terphenyl	0	50 - 150	S	%Rec	1	6/27/2025 12:52:23 PM

NOTES:
S - Outlying surrogate recovery observed.
Chromatographic pattern indicates an unresolved complex mixture, which may be weathered material

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAHs by EPA Method 8270E SIM				Batch ID: 48248		Analyst: AP
Naphthalene	0.733	0.0981		µg/L	1	6/27/2025 7:04:10 PM
2-Methylnaphthalene	0.349	0.0981		µg/L	1	6/27/2025 7:04:10 PM
1-Methylnaphthalene	0.351	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Acenaphthene	0.164	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Acenaphthylene	ND	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Fluorene	0.113	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Phenanthrene	0.325	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Anthracene	ND	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Fluoranthene	0.195	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Pyrene	0.317	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Benz(a)anthracene	ND	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Chrysene	0.123	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Benzo(b)fluoranthene	0.119	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Benzo(k)fluoranthene	ND	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Benzo(a)pyrene	ND	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Indeno(1,2,3-cd)pyrene	ND	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Dibenz(a,h)anthracene	ND	0.0981		µg/L	1	6/27/2025 7:04:10 PM
Benzo(g,h,i)perylene	0.162	0.0981		µg/L	1	6/27/2025 7:04:10 PM

Client: Aerotech
Collection Date: 6/23/2025 5:55:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-006
Matrix: Water
Client Sample ID: **SB47(W)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAHs by EPA Method 8270E SIM				Batch ID: 48248		Analyst: AP
Surr: 2-Fluorobiphenyl	62.0	35.8 - 144		%Rec	1	6/27/2025 7:04:10 PM
Surr: Terphenyl-d14	60.8	31.4 - 156		%Rec	1	6/27/2025 7:04:10 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 48245		Analyst: KJ
Vinyl chloride	ND	0.200		µg/L	1	6/25/2025 7:42:31 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 7:42:31 PM
Methylene chloride	ND	2.00		µg/L	1	6/25/2025 7:42:31 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 7:42:31 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 7:42:31 PM
2-Butanone (MEK)	ND	5.00		µg/L	1	6/25/2025 7:42:31 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	6/25/2025 7:42:31 PM
Benzene	1.23	0.200		µg/L	1	6/25/2025 7:42:31 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	6/25/2025 7:42:31 PM
Methyl methacrylate	0.840	0.500		µg/L	1	6/25/2025 7:42:31 PM
Toluene	1.27	0.500		µg/L	1	6/25/2025 7:42:31 PM
Methyl Isobutyl Ketone (MIBK)	ND	2.50		µg/L	1	6/25/2025 7:42:31 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	6/25/2025 7:42:31 PM
Ethylbenzene	2.24	0.500		µg/L	1	6/25/2025 7:42:31 PM
m,p-Xylene	1.14	1.00		µg/L	1	6/25/2025 7:42:31 PM
o-Xylene	0.895	0.500		µg/L	1	6/25/2025 7:42:31 PM
Styrene	ND	0.500		µg/L	1	6/25/2025 7:42:31 PM
Surr: Dibromofluoromethane	106	79.9 - 122		%Rec	1	6/25/2025 7:42:31 PM
Surr: Toluene-d8	101	80 - 121		%Rec	1	6/25/2025 7:42:31 PM
Surr: 1-Bromo-4-fluorobenzene	100	79.7 - 120		%Rec	1	6/25/2025 7:42:31 PM

Client: Aerotech
Collection Date: 6/23/2025 6:10:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-007
Matrix: Water
Client Sample ID: **SB48(W)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA 8260D				Batch ID: 48245		Analyst: KJ
Vinyl chloride	ND	0.200		µg/L	1	6/25/2025 8:07:48 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
Methylene chloride	ND	2.00		µg/L	1	6/25/2025 8:07:48 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
2-Butanone (MEK)	ND	5.00		µg/L	1	6/25/2025 8:07:48 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
Benzene	ND	0.200		µg/L	1	6/25/2025 8:07:48 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
Methyl methacrylate	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
Toluene	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
Methyl Isobutyl Ketone (MIBK)	ND	2.50		µg/L	1	6/25/2025 8:07:48 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
Ethylbenzene	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
m,p-Xylene	ND	1.00		µg/L	1	6/25/2025 8:07:48 PM
o-Xylene	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
Styrene	ND	0.500		µg/L	1	6/25/2025 8:07:48 PM
Surr: Dibromofluoromethane	105	79.9 - 122		%Rec	1	6/25/2025 8:07:48 PM
Surr: Toluene-d8	101	80 - 121		%Rec	1	6/25/2025 8:07:48 PM
Surr: 1-Bromo-4-fluorobenzene	98.4	79.7 - 120		%Rec	1	6/25/2025 8:07:48 PM

Client: Aerotech
Collection Date: 6/23/2025 6:25:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-008
Matrix: Water
Client Sample ID: SB49(W)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx				Batch ID: 48247		Analyst: ZD
Diesel Range Organics	334	95.5		µg/L	1	6/27/2025 2:51:08 PM
Heavy Oil	ND	143		µg/L	1	6/27/2025 2:51:08 PM
Total Petroleum Hydrocarbons	334	239		µg/L	1	6/27/2025 2:51:08 PM
Surr: 2-Fluorobiphenyl	67.6	50 - 150		%Rec	1	6/27/2025 2:51:08 PM
Surr: o-Terphenyl	26.1	50 - 150	S	%Rec	1	6/27/2025 2:51:08 PM

NOTES:
S - Outlying surrogate recovery observed.
Chromatographic pattern indicates an unresolved complex mixture, which may be weathered and/or organic material

Diesel & Oil by NWTPH-Dx with Silica Gel Treatment				Batch ID: 48247		Analyst: ZD
Diesel Range Organics	317	95.5		µg/L	1	6/27/2025 1:51:45 PM
Heavy Oil	ND	143		µg/L	1	6/27/2025 1:51:45 PM
Total Petroleum Hydrocarbons	317	239		µg/L	1	6/27/2025 1:51:45 PM
Surr: 2-Fluorobiphenyl	59.7	50 - 150		%Rec	1	6/27/2025 1:51:45 PM
Surr: o-Terphenyl	18.9	50 - 150	S	%Rec	1	6/27/2025 1:51:45 PM

NOTES:
S - Outlying surrogate recovery observed.
Chromatographic pattern indicates an unresolved complex mixture, which may be weathered material

PAHs by EPA Method 8270E SIM				Batch ID: 48302		Analyst: SH
Naphthalene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
2-Methylnaphthalene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
1-Methylnaphthalene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Acenaphthene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Acenaphthylene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Fluorene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Phenanthrene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Anthracene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Fluoranthene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Pyrene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Benz(a)anthracene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Chrysene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Benzo(b)fluoranthene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Benzo(k)fluoranthene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Benzo(a)pyrene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Indeno(1,2,3-cd)pyrene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Dibenz(a,h)anthracene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM

Client: Aerotech
Collection Date: 6/23/2025 6:25:00 PM
Project: Modutech (Mod)
Lab ID: 2506502-008
Matrix: Water
Client Sample ID: **SB49(W)**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAHs by EPA Method 8270E SIM				Batch ID: 48302		Analyst: SH
Benzo(g,h,i)perylene	ND	0.0975		µg/L	1	7/3/2025 10:32:59 PM
Surr: 2-Fluorobiphenyl	63.0	35.8 - 144		%Rec	1	7/3/2025 10:32:59 PM
Surr: Terphenyl-d14	67.2	31.4 - 156		%Rec	1	7/3/2025 10:32:59 PM
Volatile Organic Compounds by EPA 8260D				Batch ID: 48245		Analyst: KJ
Vinyl chloride	ND	0.200		µg/L	1	6/25/2025 8:33:07 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
Methylene chloride	ND	2.00		µg/L	1	6/25/2025 8:33:07 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
2-Butanone (MEK)	ND	5.00		µg/L	1	6/25/2025 8:33:07 PM
1,1,1-Trichloroethane (TCA)	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
Benzene	ND	0.200		µg/L	1	6/25/2025 8:33:07 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
Methyl methacrylate	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
Toluene	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
Methyl Isobutyl Ketone (MIBK)	ND	2.50		µg/L	1	6/25/2025 8:33:07 PM
Tetrachloroethene (PCE)	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
Ethylbenzene	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
m,p-Xylene	ND	1.00		µg/L	1	6/25/2025 8:33:07 PM
o-Xylene	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
Styrene	ND	0.500		µg/L	1	6/25/2025 8:33:07 PM
Surr: Dibromofluoromethane	107	79.9 - 122		%Rec	1	6/25/2025 8:33:07 PM
Surr: Toluene-d8	102	80 - 121		%Rec	1	6/25/2025 8:33:07 PM
Surr: 1-Bromo-4-fluorobenzene	98.9	79.7 - 120		%Rec	1	6/25/2025 8:33:07 PM

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **MB-48247**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **100939**
Client ID: **MBLKW**	Batch ID: **48247**		Analysis Date: **6/26/2025**	SeqNo: **2103033**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	100									
Heavy Oil	ND	150									
Total Petroleum Hydrocarbons	ND	250									
Surr: 2-Fluorobiphenyl	18.4		25.00		73.7	50	150				
Surr: o-Terphenyl	17.9		25.00		71.6	50	150				

Sample ID: **LCS-48247**	SampType: **LCS**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **100939**
Client ID: **LCSW**	Batch ID: **48247**		Analysis Date: **6/26/2025**	SeqNo: **2103034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	732	250	1,250	0	58.6	43.1	123				
Surr: 2-Fluorobiphenyl	22.5		25.00		90.2	50	150				
Surr: o-Terphenyl	20.6		25.00		82.6	50	150				

Sample ID: **LCSD-48247**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **100939**
Client ID: **LCSW02**	Batch ID: **48247**		Analysis Date: **6/26/2025**	SeqNo: **2103035**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	844	250	1,250	0	67.5	43.1	123	732.1	14.2	30	
Surr: 2-Fluorobiphenyl	20.7		25.00		82.7	50	150		0		
Surr: o-Terphenyl	19.4		25.00		77.6	50	150		0		

Sample ID: **SL IDC 1**	SampType: **LCS**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **100939**
Client ID: **LCSW**	Batch ID: **48247**		Analysis Date: **6/30/2025**	SeqNo: **2105251**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	786	250	1,250	0	62.9	43.1	123				
Surr: 2-Fluorobiphenyl	18.3		25.00		73.1	50	150				
Surr: o-Terphenyl	18.0		25.00		72.0	50	150				

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx

Sample ID: **SL IDC 2** SampType: **LCS** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100939**
Client ID: **LCSW** Batch ID: **48247** Analysis Date: **6/30/2025** SeqNo: **2105252**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	782	250	1,250	0	62.6	43.1	123				
Surr: 2-Fluorobiphenyl	17.1		25.00		68.2	50	150				
Surr: o-Terphenyl	17.0		25.00		68.1	50	150				

Sample ID: **SL IDC 3** SampType: **LCS** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100939**
Client ID: **LCSW** Batch ID: **48247** Analysis Date: **6/30/2025** SeqNo: **2105253**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	857	250	1,250	0	68.5	43.1	123				
Surr: 2-Fluorobiphenyl	20.2		25.00		80.9	50	150				
Surr: o-Terphenyl	20.1		25.00		80.6	50	150				

Sample ID: **SL IDC 4** SampType: **LCS** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100939**
Client ID: **LCSW** Batch ID: **48247** Analysis Date: **6/30/2025** SeqNo: **2105254**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	866	250	1,250	0	69.3	43.1	123				
Surr: 2-Fluorobiphenyl	19.0		25.00		76.1	50	150				
Surr: o-Terphenyl	18.9		25.00		75.6	50	150				

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Diesel & Oil by NWTPH-Dx with Silica Gel Treatment

Sample ID: **MB-48247** SampType: **MBLK** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100943**
Client ID: **MBLKW** Batch ID: **48247** Analysis Date: **6/26/2025** SeqNo: **2103067**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	100									
Heavy Oil	ND	150									
Total Petroleum Hydrocarbons	ND	250									
Surr: 2-Fluorobiphenyl	21.3		25.00		85.1	50	150				
Surr: o-Terphenyl	24.9		25.00		99.6	50	150				

Sample ID: **LCS-48247** SampType: **LCS** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100943**
Client ID: **LCSW** Batch ID: **48247** Analysis Date: **6/26/2025** SeqNo: **2103068**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,090	250	1,250	0	87.3	47.5	118				
Surr: 2-Fluorobiphenyl	24.2		25.00		96.9	50	150				
Surr: o-Terphenyl	25.7		25.00		103	50	150				

Sample ID: **LCSD-48247** SampType: **LCSD** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100943**
Client ID: **LCSW02** Batch ID: **48247** Analysis Date: **6/26/2025** SeqNo: **2103069**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,290	250	1,250	0	103	47.5	118	1,092	16.5	30	
Surr: 2-Fluorobiphenyl	21.0		25.00		83.9	50	150		0		
Surr: o-Terphenyl	25.5		25.00		102	50	150		0		

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **MB-48248**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **101018**
Client ID: **MBLKW**	Batch ID: **48248**		Analysis Date: **6/26/2025**	SeqNo: **2104577**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
2-Methylnaphthalene	ND	0.100									
1-Methylnaphthalene	ND	0.100									
Acenaphthene	ND	0.100									
Acenaphthylene	ND	0.100									
Fluorene	ND	0.100									
Phenanthrene	ND	0.100									
Anthracene	ND	0.100									
Fluoranthene	ND	0.100									
Pyrene	ND	0.100									
Benz(a)anthracene	ND	0.100									
Chrysene	ND	0.100									
Benzo(b)fluoranthene	ND	0.100									
Benzo(k)fluoranthene	ND	0.100									
Benzo(a)pyrene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	0.100									
Dibenz(a,h)anthracene	ND	0.100									
Benzo(g,h,i)perylene	ND	0.100									
Surr: 2-Fluorobiphenyl	1.29		2.500		51.7	35.8	144				
Surr: Terphenyl-d14	1.54		2.500		61.7	12.7	150				

Sample ID: **LCS-48248**	SampType: **LCS**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **101018**
Client ID: **LCSW**	Batch ID: **48248**		Analysis Date: **6/26/2025**	SeqNo: **2104578**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3.75	0.100	5.000	0	74.9	39.9	104				
2-Methylnaphthalene	3.80	0.100	5.000	0	76.1	36.2	109				
1-Methylnaphthalene	3.69	0.100	5.000	0	73.8	37.9	108				
Acenaphthene	4.00	0.100	5.000	0	79.9	35.9	113				
Acenaphthylene	4.07	0.100	5.000	0	81.4	33.9	117				
Fluorene	3.92	0.100	5.000	0	78.4	38.5	115				

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **LCS-48248** SampType: **LCS** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **101018**
Client ID: **LCSW** Batch ID: **48248** Analysis Date: **6/26/2025** SeqNo: **2104578**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	3.35	0.100	5.000	0	67.1	37.6	118				
Anthracene	3.08	0.100	5.000	0	61.5	33.6	110				
Fluoranthene	3.51	0.100	5.000	0	70.3	37.8	124				
Pyrene	3.52	0.100	5.000	0	70.3	37.6	122				
Benz(a)anthracene	3.52	0.100	5.000	0	70.4	34.3	126				
Chrysene	3.45	0.100	5.000	0	69.1	37.9	113				
Benzo(b)fluoranthene	3.79	0.100	5.000	0	75.7	38.9	118				
Benzo(k)fluoranthene	2.57	0.100	5.000	0	51.4	37.8	113				
Benzo(a)pyrene	3.18	0.100	5.000	0	63.6	33	109				
Indeno(1,2,3-cd)pyrene	2.80	0.100	5.000	0	56.1	27.9	119				
Dibenz(a,h)anthracene	2.75	0.100	5.000	0	55.0	26.9	115				
Benzo(g,h,i)perylene	2.80	0.100	5.000	0	56.0	27.6	118				
Surr: 2-Fluorobiphenyl	2.91		5.000		58.2	35.8	144				
Surr: Terphenyl-d14	2.66		5.000		53.2	31.4	156				

Sample ID: **LCSD-48248** SampType: **LCSD** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **101018**
Client ID: **LCSW02** Batch ID: **48248** Analysis Date: **6/26/2025** SeqNo: **2104579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	4.17	0.100	5.000	0	83.5	39.9	104	3.746	10.8	30	
2-Methylnaphthalene	4.19	0.100	5.000	0	83.7	36.2	109	3.805	9.54	30	
1-Methylnaphthalene	4.04	0.100	5.000	0	80.9	37.9	108	3.691	9.14	30	
Acenaphthene	4.35	0.100	5.000	0	87.1	35.9	113	3.997	8.55	30	
Acenaphthylene	4.51	0.100	5.000	0	90.3	33.9	117	4.071	10.3	30	
Fluorene	4.27	0.100	5.000	0	85.3	38.5	115	3.919	8.49	30	
Phenanthrene	3.89	0.100	5.000	0	77.8	37.6	118	3.354	14.8	30	
Anthracene	3.53	0.100	5.000	0	70.7	33.6	110	3.075	13.9	30	
Fluoranthene	4.07	0.100	5.000	0	81.5	37.8	124	3.513	14.8	30	
Pyrene	4.05	0.100	5.000	0	80.9	37.6	122	3.517	14.0	30	
Benz(a)anthracene	4.37	0.100	5.000	0	87.5	34.3	126	3.521	21.6	30	
Chrysene	3.90	0.100	5.000	0	78.1	37.9	113	3.453	12.2	30	

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **LCSD-48248** SampType: **LCSD** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **101018**
Client ID: **LCSW02** Batch ID: **48248** Analysis Date: **6/26/2025** SeqNo: **2104579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	5.16	0.100	5.000	0	103	38.9	118	3.786	30.7	30	R
Benzo(k)fluoranthene	3.11	0.100	5.000	0	62.1	37.8	113	2.570	18.9	30	
Benzo(a)pyrene	4.08	0.100	5.000	0	81.5	33	109	3.182	24.6	30	
Indeno(1,2,3-cd)pyrene	4.03	0.100	5.000	0	80.7	27.9	119	2.804	36.0	30	R
Dibenz(a,h)anthracene	4.24	0.100	5.000	0	84.8	26.9	115	2.752	42.6	30	R
Benzo(g,h,i)perylene	4.01	0.100	5.000	0	80.1	27.6	118	2.802	35.4	30	R
Surr: 2-Fluorobiphenyl	1.48		2.500		59.3	35.8	144		0		
Surr: Terphenyl-d14	1.58		2.500		63.0	31.4	156		0		

NOTES:
R - High RPD observed, spike recovery is within range.

Sample ID: **MB-48302** SampType: **MBLK** Units: **µg/L** Prep Date: **6/30/2025** RunNo: **101149**
Client ID: **MBLKW** Batch ID: **48302** Analysis Date: **7/3/2025** SeqNo: **2107456**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
2-Methylnaphthalene	ND	0.100									
1-Methylnaphthalene	ND	0.100									
Acenaphthene	ND	0.100									
Acenaphthylene	ND	0.100									
Fluorene	ND	0.100									
Phenanthrene	ND	0.100									
Anthracene	ND	0.100									
Fluoranthene	ND	0.100									
Pyrene	ND	0.100									
Benz(a)anthracene	ND	0.100									
Chrysene	ND	0.100									
Benzo(b)fluoranthene	ND	0.100									
Benzo(k)fluoranthene	ND	0.100									
Benzo(a)pyrene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	0.100									
Dibenz(a,h)anthracene	ND	0.100									

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **MB-48302** SampType: **MBLK** Units: **µg/L** Prep Date: **6/30/2025** RunNo: **101149**
Client ID: **MBLKW** Batch ID: **48302** Analysis Date: **7/3/2025** SeqNo: **2107456**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	ND	0.100									
Surr: 2,4,6-Tribromophenol	3.47		5.000		69.3	30.3	160				
Surr: 2-Fluorobiphenyl	1.65		2.500		66.1	35.8	144				
Surr: Terphenyl-d14	2.10		2.500		83.9	12.7	150				

Sample ID: **LCS-48302** SampType: **LCS** Units: **µg/L** Prep Date: **6/30/2025** RunNo: **101149**
Client ID: **LCSW** Batch ID: **48302** Analysis Date: **7/3/2025** SeqNo: **2107457**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3.43	0.100	5.000	0	68.6	39.9	104				
2-Methylnaphthalene	3.43	0.100	5.000	0	68.6	36.2	109				
1-Methylnaphthalene	3.38	0.100	5.000	0	67.5	37.9	108				
Acenaphthene	3.67	0.100	5.000	0	73.4	35.9	113				
Acenaphthylene	3.70	0.100	5.000	0	74.0	33.9	117				
Fluorene	3.58	0.100	5.000	0	71.7	38.5	115				
Phenanthrene	3.71	0.100	5.000	0	74.2	37.6	118				
Anthracene	3.51	0.100	5.000	0	70.2	33.6	110				
Fluoranthene	3.79	0.100	5.000	0	75.7	37.8	124				
Pyrene	3.78	0.100	5.000	0	75.6	37.6	122				
Benz(a)anthracene	3.76	0.100	5.000	0	75.2	34.3	126				
Chrysene	3.60	0.100	5.000	0	72.0	37.9	113				
Benzo(b)fluoranthene	3.53	0.100	5.000	0	70.7	38.9	118				
Benzo(k)fluoranthene	3.74	0.100	5.000	0	74.8	37.8	113				
Benzo(a)pyrene	3.34	0.100	5.000	0	66.8	33	109				
Indeno(1,2,3-cd)pyrene	3.62	0.100	5.000	0	72.3	27.9	119				
Dibenz(a,h)anthracene	3.75	0.100	5.000	0	75.0	26.9	115				
Benzo(g,h,i)perylene	3.78	0.100	5.000	0	75.5	27.6	118				
Surr: 2,4,6-Tribromophenol	4.20		5.000		83.9	30.3	160				
Surr: 2-Fluorobiphenyl	1.78		2.500		71.1	35.8	144				
Surr: Terphenyl-d14	2.16		2.500		86.2	31.4	156				

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PAHs by EPA Method 8270E SIM

Sample ID: **LCSD-48302** SampType: **LCSD** Units: **µg/L** Prep Date: **6/30/2025** RunNo: **101149**
Client ID: **LCSW02** Batch ID: **48302** Analysis Date: **7/3/2025** SeqNo: **2107458**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3.92	0.100	5.000	0	78.5	39.9	104	3.430	13.4	30	
2-Methylnaphthalene	3.97	0.100	5.000	0	79.4	36.2	109	3.429	14.7	30	
1-Methylnaphthalene	3.92	0.100	5.000	0	78.4	37.9	108	3.375	14.9	30	
Acenaphthene	4.19	0.100	5.000	0	83.9	35.9	113	3.669	13.3	30	
Acenaphthylene	4.28	0.100	5.000	0	85.5	33.9	117	3.702	14.4	30	
Fluorene	4.17	0.100	5.000	0	83.3	38.5	115	3.585	15.0	30	
Phenanthrene	4.20	0.100	5.000	0	84.0	37.6	118	3.712	12.3	30	
Anthracene	4.02	0.100	5.000	0	80.4	33.6	110	3.508	13.6	30	
Fluoranthene	4.43	0.100	5.000	0	88.6	37.8	124	3.786	15.7	30	
Pyrene	4.36	0.100	5.000	0	87.2	37.6	122	3.778	14.3	30	
Benz(a)anthracene	4.71	0.100	5.000	0	94.3	34.3	126	3.759	22.5	30	
Chrysene	3.90	0.100	5.000	0	78.0	37.9	113	3.600	8.04	30	
Benzo(b)fluoranthene	4.08	0.100	5.000	0	81.5	38.9	118	3.533	14.3	30	
Benzo(k)fluoranthene	4.10	0.100	5.000	0	82.0	37.8	113	3.738	9.22	30	
Benzo(a)pyrene	3.76	0.100	5.000	0	75.1	33	109	3.342	11.7	30	
Indeno(1,2,3-cd)pyrene	4.10	0.100	5.000	0	82.0	27.9	119	3.616	12.5	30	
Dibenz(a,h)anthracene	4.20	0.100	5.000	0	84.0	26.9	115	3.749	11.4	30	
Benzo(g,h,i)perylene	4.10	0.100	5.000	0	82.1	27.6	118	3.777	8.32	30	
Surr: 2,4,6-Tribromophenol	3.79		5.000		75.7	30.3	160		0		
Surr: 2-Fluorobiphenyl	1.66		2.500		66.4	35.8	144		0		
Surr: Terphenyl-d14	2.06		2.500		82.2	31.4	156		0		

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

PCBs by EPA Method 8082A

Sample ID: **MB-48246**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **100997**
Client ID: **MBLKW**	Batch ID: **48246**		Analysis Date: **6/26/2025**	SeqNo: **2104137**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0200									
Aroclor 1221	ND	0.0200									
Aroclor 1232	ND	0.0200									
Aroclor 1242	ND	0.0200									
Aroclor 1248	ND	0.0200									
Aroclor 1254	ND	0.0200									
Aroclor 1260	ND	0.0200									
Aroclor 1262	ND	0.0200									
Aroclor 1268	ND	0.0200									
Total PCBs	ND	0.0200									
Surr: Decachlorobiphenyl	418		500.0		83.6	9.13	160				
Surr: Tetrachloro-m-xylene	357		500.0		71.3	20	116				

Sample ID: **LCS-48246**	SampType: **LCS**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **100997**
Client ID: **LCSW**	Batch ID: **48246**		Analysis Date: **6/26/2025**	SeqNo: **2104138**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.98	0.0200	2.500	0	79.3	15.3	141				
Aroclor 1260	1.93	0.0200	2.500	0	77.1	17.2	146				
Surr: Decachlorobiphenyl	510		500.0		102	5.42	149				
Surr: Tetrachloro-m-xylene	345		500.0		68.9	20.8	127				

Sample ID: **LCSD-48246**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **6/25/2025**	RunNo: **100997**
Client ID: **LCSW02**	Batch ID: **48246**		Analysis Date: **6/26/2025**	SeqNo: **2104139**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.18	0.0200	2.500	0	87.3	15.3	141	1.983	9.55	20	
Aroclor 1260	2.12	0.0200	2.500	0	84.9	17.2	146	1.928	9.61	20	
Surr: Decachlorobiphenyl	568		500.0		114	5.42	149		0		
Surr: Tetrachloro-m-xylene	390		500.0		78.1	20.8	127		0		

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **LCS-48245** SampType: **LCS** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100976**
Client ID: **LCSW** Batch ID: **48245** Analysis Date: **6/25/2025** SeqNo: **2103633**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	24.0	0.200	20.00	0	120	80	120				
1,1-Dichloroethene	21.1	0.500	20.00	0	105	80	120				
Methylene chloride	22.5	2.00	20.00	0	112	80	120				
trans-1,2-Dichloroethene	21.9	0.500	20.00	0	110	80	120				
cis-1,2-Dichloroethene	22.2	0.500	20.00	0	111	80	120				
2-Butanone (MEK)	58.1	5.00	50.00	0	116	80	120				
1,1,1-Trichloroethane (TCA)	21.0	0.500	20.00	0	105	80	120				
Benzene	21.1	0.200	20.00	0	105	80	120				
Trichloroethene (TCE)	19.8	0.500	20.00	0	98.8	80	120				
Methyl methacrylate	20.2	0.500	20.00	0	101	80	120				
Toluene	20.5	0.500	20.00	0	103	80	120				
Methyl Isobutyl Ketone (MIBK)	51.6	2.50	50.00	0	103	80	120				
Tetrachloroethene (PCE)	20.6	0.500	20.00	0	103	80	120				
Ethylbenzene	20.7	0.500	20.00	0	103	80	120				
m,p-Xylene	41.7	1.00	40.00	0	104	80	120				
o-Xylene	20.6	0.500	20.00	0	103	80	120				
Styrene	20.8	0.500	20.00	0	104	80	120				
Surr: Dibromofluoromethane	25.7		25.00		103	79.9	122				
Surr: Toluene-d8	26.7		25.00		107	80	121				
Surr: 1-Bromo-4-fluorobenzene	24.4		25.00		97.5	79.7	120				

Sample ID: **MB-48245** SampType: **MBLK** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100976**
Client ID: **MBLKW** Batch ID: **48245** Analysis Date: **6/25/2025** SeqNo: **2103619**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.200									
1,1-Dichloroethene	ND	0.500									
Methylene chloride	ND	2.00									
trans-1,2-Dichloroethene	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
2-Butanone (MEK)	ND	5.00									

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **MB-48245** SampType: **MBLK** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100976**
Client ID: **MBLKW** Batch ID: **48245** Analysis Date: **6/25/2025** SeqNo: **2103619**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane (TCA)	ND	0.500									
Benzene	ND	0.200									
Trichloroethene (TCE)	ND	0.500									
Methyl methacrylate	ND	0.500									
Toluene	ND	0.500									
Methyl Isobutyl Ketone (MIBK)	ND	2.50									
Tetrachloroethene (PCE)	ND	0.500									
Ethylbenzene	ND	0.500									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Styrene	ND	0.500									
Surr: Dibromofluoromethane	26.3		25.00		105	80	120				
Surr: Toluene-d8	25.7		25.00		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	22.3		25.00		89.3	80	120				

Sample ID: **2506351-005ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100976**
Client ID: **BATCH** Batch ID: **48245** Analysis Date: **6/25/2025** SeqNo: **2103621**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	2.00						0		30	D
1,1-Dichloroethene	ND	5.00						0		30	D
Methylene chloride	ND	20.0						0		30	D
trans-1,2-Dichloroethene	ND	5.00						0		30	D
cis-1,2-Dichloroethene	ND	5.00						0		30	D
2-Butanone (MEK)	ND	50.0						0		30	D
1,1,1-Trichloroethane (TCA)	ND	5.00						0		30	D
Benzene	ND	2.00						0		30	D
Trichloroethene (TCE)	ND	5.00						0		30	D
Methyl methacrylate	ND	5.00						0		30	D
Toluene	ND	5.00						0		30	D
Methyl Isobutyl Ketone (MIBK)	ND	25.0						0		30	D

Work Order: 2506502
CLIENT: Aerotech
Project: Modutech (Mod)

QC SUMMARY REPORT

Volatile Organic Compounds by EPA 8260D

Sample ID: **2506351-005ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **6/25/2025** RunNo: **100976**
Client ID: **BATCH** Batch ID: **48245** Analysis Date: **6/25/2025** SeqNo: **2103621**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	5.00						0		30	D
Ethylbenzene	ND	5.00						0		30	D
m,p-Xylene	ND	10.0						0		30	D
o-Xylene	ND	5.00						0		30	D
Styrene	ND	5.00						0		30	D
Surr: Dibromofluoromethane	261		250.0		104	79.9	122		0		D
Surr: Toluene-d8	260		250.0		104	80	121		0		D
Surr: 1-Bromo-4-fluorobenzene	247		250.0		98.7	79.7	120		0		D

Sample Log-In Check List

Client Name:	**AEROTE**	Work Order Number:	**2506502**
Logged by:	**Morgan Wilson**	Date Received:	**6/24/2025 3:30:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☑ No ☐ NA ☐

Person Notified:	Nick Gerkin	Date:	6/24/2025
By Whom:	Morgan Wilson	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Sample Date/Time		
Client Instructions:	See Updated COC		

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	6.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 6/24/25 Page: 1 of: 1

Laboratory Project No (internal): 2506502

Project Name: Modutech (Mod)

Special Remarks: VOCs = styrene, MC, TCA, MEK, MIBK, PCE + Breakdowns, Methyl methacrylate
All Dx = SGC split on a 3 day TAT

Client: Aerotech Environmental Consulting

Project No: —

Address: 17837 1st Ave #556

Collected by: Nick Gerkin

City, State, Zip: Normandy Park, WA 98148

Location: 2218 Marine View Dr

Telephone: 206 482 2287

Report To (PM): Nick Gerkin

Email(s): nick@dirtydirt.us

Disposal: Samples will be disposed in 30 days unless otherwise requested
☐ Retain volume (specify above) ☐ Return to client

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SB42(W)				5	X											
2	SB43(W)				↓	X											
3	SB44(W)				↓	X											
4	SB45(W)				6	X			X		X						3 day TAT - Dx only SGC with w/o +
5	SB46(W)				↓	X			X		X						3 day TAT " "
6	SB47(W)				5	X			X		X						3 day TAT " "
7	SB48(W)				↓	X											
8	SB49(W)				↓	X			X								3 day TAT " "
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☒ Standard ☐ Next Day
☒ 3 Day Dx only ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Alliance Technical Group LLC on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
	Nick Gerkin	6/24/25 1200	x	Hudson Gerkin	6/24/25 1230
x	Hudson Gerkin	6/24/25		Gina Gerard	6/24/25 3:30PM

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 6/24/25 Page: 1 of: 1

Laboratory Project No (internal): 2506502

Project Name: Modutech (Mod)

Project No: —

Client: Aerotech Environmental Consulting

Address: 17837 1st Ave #556

City, State, Zip: Normandy Park, WA 98148

Telephone: 206 482 2287

Email(s): nick@dirtydirt.us

Collected by: Nick Gerkin

Location: 2218 Marine View Dr

Report To (PM): Nick Gerkin

Special Remarks: VOCs = styrene, MC, TCA, MEK, MIBK, PCE + Breakdowns, Methyl methacrylate
All Dx = SGC split on a 3 day TAT

Disposal: Samples will be disposed in 30 days unless otherwise requested
☐ Retain volume (specify above) ☐ Return to client

Update per NG -mw 6/25/25

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
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4	SB45(W)		17:25		6	X		X		X	X						3 day TAT - Dx only SGC with/o +
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6	SB47(W)		17:55		5	X		X		X	X						3 day TAT " "
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	Hudson Gerkin	6/24/25		Gina Gerard	6/24/25 3:30PM

Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 6/24/25 Page: 1 of: 1

Laboratory Project No (internal): 2506502

Project Name: Modutech (Mod)

Special Remarks: VOCs = styrene, MC, TCA, MEK, MIBK, PCE + Breakdowns, Methyl methacrylate
All Dx = SGC split on a 3 day TAT

Client: Aerotech Environmental Consulting

Project No: —

Address: 17837 1st Ave #556

Collected by: Nick Gerkin

City, State, Zip: Normandy Park, WA 98148

Location: 2218 Marine View Dr

Telephone: 206 482 2287

Report To (PM): Nick Gerkin

Email(s): nick@dirtydirt.us

Disposal: Samples will be disposed in 30 days unless otherwise requested
☐ Retain volume (specify above) ☐ Return to client

Update per NG -mw 6/25/25

Update per NG
LR 6/27/2025

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
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7	SB48(W)		18:10			X		X			X							
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Chain of Custody Record & Laboratory Services Agreement

Alliance TECHNICAL GROUP
3600 Fremont Ave N.
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Date: 6/24/25 Page: 1 of: 1

Laboratory Project No (internal): 2506502

Project Name: Modutech (Mod)

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All Dx = SGC split on a 3 day TAT

Client: Aerotech Environmental Consulting

Project No: —

Address: 17837 1st Ave #556

Collected by: Nick Gerkin

City, State, Zip: Normandy Park, WA 98148

Location: 2218 Marine View Dr

Telephone: 206 482 2287

Report To (PM): Nick Gerkin

Disposal: Samples will be disposed in 30 days unless otherwise requested
☐ Retain volume (specify above) ☐ Return to client

Email(s): nick@dirtydirt.us

Update per NG -mw 6/25/25

Add On per NG, 3 day TAT -mw 7/14/25

Update per NG LR 6/27/2025

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
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	Hudson Gerkin	6/24/25		Gina Gerard	6/24/25 3:30PM

- Standard Operating Procedures

AEROTECH
Environmental Solutions Inc.

1911 SW Campus Drive #542
Federal Way, Washington 98023
(206) 482-2287

SOIL SAMPLING STANDARD OPERATING PROCEDURE

EQUIPMENT

- Sampling and Analyses Plan (SAP)
- Site-specific sampling plan
- Sample location map
- Sample table
- Safety equipment, as specified in the Health and Safety Plan
- Permanent pens/marker (e.g. Sharpies®)
- Field Notebook
- Camera (Phone)
- Photoionization detector (PID)
- Marking Medium (Marking Paint, Flags)
- Tape measure or measuring wheel
- Soil collection device, heavy equipment (e.g. spoons, spade shovel, hand auger, hollow stem auger – split spoon sampler, direct push rig – macro core, shelby tube, backhoe)
- Syringes for EPA Method 5035
- Syringe tool for EPA Method 5035 (e.g. En Core® sampler)
- Pre-weighed and preserved sample vials for EPA Method 5035
- Sample containers, precleaned (e.g., I-Chem)
- Chain of custody form (COC), sample labels, custody seals if utilizing 3rd Party Delivery
- Ziploc® Bags
- Insulated cooler
- Ice
- Decontamination equipment including tap water and/or deionized water and phosphate-free soap (e.g. Alconox®, Liquinox®)

Soil Sampling

Soil samples are preserved in the metal or plastic sleeve used with the California-modified split spoon sampler (CMSSS) or core sampler, in glass jars and 40cc VOA vials preserved with methanol or other containers according to the test method and regulatory guidelines (e.g., Environmental Protection Agency Method 5035). Sleeves are removed from the sample barrel. Soil is collected from the split spoon sample or direct push core sample into appropriate containers based on the planned test method. Besides the use of a drilling rig, soil

may also be collected via hand auger or with a scoop or spoon from the surface or a selected interval from an excavation, trench or test pit.

Soil Sample Collection

Aerotech field personnel are to review the SAP for sample locations and analysis as well as obtain photograph(s) of the material before sampling. If the soil sample is to be a discrete sample, collect soil using a clean/decontaminated stainless-steel (organic analyses) or plastic (inorganic analyses) spoon. If the soil sample is to be a composite, collect soil from all locations to be sampled into one stainless-steel (organic analyses) or plastic (inorganic analyses) bowl and homogenize the soil. If the soil sample is to be a discrete sample for volatile analyses, collect soil using a syringe and place into appropriate pre-weighed sample vial (Volatiles samples may not be composited).

Next, use the syringe, stainless-steel or plastic spoon to transfer soil sample as appropriate into sample container as specified by the analytical test method. Label and manage sample containers. Decontaminate sampling equipment between each sampling event with a non-phosphate solution, followed by a minimum of two tap water rinses. Deionized water may be used for the final rinse. Ensure activities are well documented in the site logbook or on a designated sampling form. (i.e. collection method, presence of sheen or odor and PID measurement).

Field Screening Procedures

Aerotech field staff place soil from sampling interval into a plastic re-sealable bag. The bag is then labeled with the sample number. The tip of a photoionization detector (PID) or similar device is inserted through the plastic bag to measure organic vapor concentrations in the headspace. The highest sustained PID measurement is recorded on the boring log. At a minimum, the PID or organic vapor monitoring device is calibrated on a daily basis in accordance with manufacturer's specifications using a hexane or isobutylene standard. The calibration gas and concentration are recorded on a calibration log. Instruments such as the PID are useful for evaluating relative concentrations of volatilized hydrocarbons, but they do not measure the concentration of petroleum hydrocarbons in the soil matrix with the same precision as laboratory analysis. Aerotech trained personnel describe the soil in the bag according to the Unified Soil Classification System and record the description on the boring log, sampling form or logbook. Selected soil samples for analysis are then placed Samples are placed in a cooler chilled to 4º Celsius and transported to a state-certified laboratory under chain-of custody (COC) protocol.

Extractable Petroleum Hydrocarbons (EPH)/Volatile Petroleum Hydrocarbons (VPH)

To evaluate the potential utilization of site specific cleanup levels (e.g. Ecology's Method B or Method C cleanup levels), Aerotech field personnel will collect additional sample volume to complete EPH/VPH analysis. This test will be completed on samples that are containing petroleum hydrocarbons only, utilizing the previously discussed field screening procedures as well as contaminant source data from previous investigation work.

AEROTECH
Environmental Solutions Inc.

1911 SW Campus Drive #542
Federal Way, Washington 98023
(206) 482-2287

SOIL BORING AND WELL INSTALLATION STANDARD OPERATING PROCEDURE

EQUIPMENT *(Items in italic provided by drilling subcontractor, verify according to the site sampling plan they bring the appropriate equipment and material.)*

- Site-specific sampling plan
- Sample location map
- Sample table
- Safety equipment (nitrile gloves, glasses, hard hat, safety-toe boots, high viz clothing
- Permanent pens/marker (e.g. Sharpies®)
- Site logbook, boring log and/or sampling form
- Camera (Phone)
- Candlestick/cones/barricade
- Caution tape
- Trash bags/plastic sheeting
- Assorted tools (e.g. shovels, wrenches, etc.)
- *Annular materials: silica sand, bentonite pellets and chips, grout*
- *Monitoring well materials:1-inch, 2-inch or 4-inch schedule 40 or 80 PVC riser, well screen and end caps*
- *Completion materials: posts or traffic rated steel monuments, concrete mix, concrete forms*
- *Drilling rig (e.g. hollow stem auger, air/mud rotary, direct push, or sonic)*
- *Disposable acetate liners for direct push*
- *Decontamination equipment such as pressure washer to decontaminate rig and bucket with water and phosphate-free soap (e.g. Alconox®, Liquinox®) for split spoon samplers*
- *Drum for soil cuttings, decontamination rinsate or purge water*

Preliminary Activities

Prior to the onset of field activities at the site, Aerotech obtains the appropriate permit(s) from the governing agency(s). Advance notification is made as required by the agency(s) prior to the start of work. Aerotech marks the borehole locations and contacts the local one call utility locating service at least 2 full business days prior to the start of work to mark buried utilities. Borehole locations may also be checked for buried utilities by a private geophysical surveyor. Additionally, borehole locations may be cleared via air-knife and vacuum operations where proposed locations are in close proximity of buried utilities. Fieldwork is conducted under the advisement of a state registered professional geologist. Monitoring well construction

will comply with Monitoring Well Construction: General, 690-240-100 through Well Seals, WAC 173-160.

Drilling

Aerotech contracts a licensed driller to advance each boring and collect soil samples. The specific drilling method (e.g., hollow-stem auger, direct push method, or sonic drilling), sampling method [e.g., core barrel or California-modified split spoon sampler (CMSSS)] and sampling depths are documented on the boring log and may be specified in a work plan. Soil samples are typically collected at the capillary fringe and at 5-foot intervals to the total depth of the boring. To determine the depth of the capillary fringe prior to drilling, the static groundwater level is measured with a water level indicator in the closest monitoring well to the boring location, if available.

The borehole is advanced to just above the desired sampling depth. For CMSSSs, the sampler is placed inside the auger and driven to a depth of 18 inches past the bit of the auger. The sampler is driven into the soil with a standard 140-pound hammer repeatedly dropped from a height of 30 inches onto the sampler. The number of blows required to drive the sampler each 6-inch increment is recorded on the boring log. For core samplers (e.g., direct push), the core is driven 18 inches using the rig apparatus.

Soil Sampling

Soil is collected according to Aerotech's SOIL SAMPLING STANDARD OPERATING PROCEDURE.

Grab Groundwater Sampling from Soil Boring

In the event that undeveloped grab-groundwater samples are necessary for the scope of work, a temporary well screen is placed across the desired interval of the soil boring. The sample can be collected via disposable bailer or peristaltic pump and disposable tubing. Additionally if direct push technology has been utilized for advancing the soil boring, a groundwater sample, is collected from the boring by using HydropunchTM sampling technology. In the case of using HydropunchTM technology, after collecting the capillary fringe soil sample, the boring is advanced to the top of the soil/groundwater interface and a sampling probe is pushed to approximately 2 feet below the top of the static water level. The probe is opened by partially withdrawing it and thereby exposing the screen. New polyethylene tubing with a peristaltic pump or decontaminated bailer is used to collect a water sample from the probe. The water sample is then emptied into appropriate laboratory-supplied containers. The container is slowly filled with the retrieved water sample until no headspace remains and then promptly sealed with a Teflon-lined cap, checked for the presence of bubbles, labeled, entered onto a COC record and placed in chilled storage at 4° Celsius. Laboratory-supplied trip blanks accompany the water samples as a quality assurance/quality control procedure. Equipment blanks may be collected as required. The samples are kept in chilled storage and transported under COC protocol to a client-approved, state-certified laboratory for analysis.

Field Screening Procedures

Aerotech staff place the soil from the middle of the sampling interval into a plastic re-sealable bag. The bag is then labeled with the sample number. The tip of a photoionization detector (PID) or similar device is inserted through the plastic bag to measure organic vapor concentrations in the headspace. The highest sustained PID measurement is recorded on the boring log. At a minimum, the PID or organic vapor monitoring device is calibrated on a daily basis in accordance with manufacturer's specifications using a hexane or isobutylene standard. The calibration gas and concentration are recorded on a calibration log. Instruments such as the PID are useful for evaluating relative concentrations of volatilized hydrocarbons, but they do not measure the concentration of petroleum hydrocarbons in the soil matrix with the same precision as laboratory analysis. Aerotech trained personnel describe the soil in the bag according to the Unified Soil Classification System and record the description on the boring log, which is included in the final report.

Backfilling of Soil Boring

If a well is not installed, the boring is backfilled from total depth to approximately 5 feet below ground surface (bgs) with either neat cement or bentonite grout using a tremie pipe. The boring is backfilled from 5 feet bgs to approximately 1 foot bgs with hydrated bentonite chips. The borehole is completed from 1 foot bgs to surface grade with material that best matches existing surface conditions and meets local agency requirements. Site-specific backfilling details are shown on the respective boring log.

Monitoring Well Construction

A well (if constructed) is completed using materials documented on the boring log or specified in a work plan. The well is constructed with slotted casing across the desired groundwater sampling depth(s) and completed with blank casing to within 6 inches of surface grade. No further construction is conducted on temporary wells. For permanent wells, the annular space of the well is backfilled with Monterey sand from the total depth to approximately 2 feet above the top of the screened casing. A hydrated granular bentonite seal is placed on top of the sand filter pack. Grout may be placed on top of the bentonite seal to the desired depth using a tremie pipe. The well may be completed to surface grade with a 1-foot thick concrete pad. A traffic-rated well vault and locking cap for the well casing may be installed to protect against surface-water infiltration and unauthorized entry. Site-specific well construction details including type of well, well depth, casing diameter, slot size, length of screen interval and sand size are documented on the boring log or specified in the work plan.

Monitoring Well Development

Following well construction, each monitoring well is developed and surveyed according to Aerotech's MONITORING WELL DEVELOPMENT AND SURVEYING STANDARD OPERATING PROCEDURE.

Well Sampling

Following development, groundwater is collected according to Aerotech's LOW-FLOW GROUNDWATER SAMPLING STANDARD OPERATING PROCEDURE.

Decontamination Procedures

Aerotech and/or the contracted driller decontaminate soil and water sampling equipment between each sampling event with a non-phosphate solution, followed by a minimum of two tap water rinses. Deionized water may be used for the final rinse. Downhole drilling equipment is steam-cleaned prior to drilling the borehole and at completion of the borehole.

Waste Treatment and Soil Disposal

Soil cuttings and decontamination fluids generated from the drilling or sampling are stored on site in labeled, Department of Transportation-approved, 55-gallon drums or other appropriate storage container. Unless otherwise specified in the contract with Aerotech, the client is responsible for disposal of investigation derived waste. Should Aerotech be contracted to complete disposal for the client, drums containing investigation derived waste are subsequently transported under manifest to a client- and regulatory-approved facility for disposal.

AEROTECH ____
Environmental Consulting Inc.

17837 1st Avenue South #556
Normandy Park, Washington 98148
(206) 482-2287

512 W. International Airport Road, Suite 201
Anchorage, Alaska 99518
(907) 575-6661

LOW-FLOW GROUNDWATER SAMPLING STANDARD OPERATING PROCEDURE

EQUIPMENT

- Sampling and Analyses Plan (SAP)
- Site-specific sampling plan
- Sample location map
- Sample table
- Safety equipment, as specified in the Health and Safety Plan
- Permanent pens and markers (e.g. Sharpies®)
- Field notebook and/or sampling form
- Camera
- YSI water quality monitoring equipment (e.g. YSI monitor and flow through cell)
- Sample containers, precleaned (e.g., I-Chem)
- 55-Gallon Drums
- Two 5-Gallon Buckets
- ¼" and 3/8" Tubing
- Power Source/cables
- Peristaltic or down-well pump
- Water Level Indicator
- Tool box with hand tools (e.g. socket set, screw drivers)
- Trash bags/plastic sheeting
- Candlestick/cones/barricade
- Caution tape
- Scissors/knife
- Paper towels
- Watch
- Decontamination equipment including tap water and/or deionized water and phosphate-free soap (e.g. Alconox®, Liquinox®)
- Chain-of-custody forms, custody seals, sample labels
- Ziploc® Bags
- Insulated cooler
- Ice
- Plastic bags for sample containers and ice
- Fishing Line
- 1-L (2") and 250-mL (1") Polyethylene Bailers
- Trash Bags

The following protocol and sampling procedures were designed to meet or exceed standards for groundwater monitoring well sampling, as specified by the State of Washington Department of Ecology *"Standard Operating Procedures for Purging and Sampling Monitoring Wells, Version 1.0,"* dated and approved on October 4, 2011. These procedures are strictly adhered to by Aerotech field staff:

Cross-Contamination Mitigation Protocol

A sampling table is set up adjacent to the well head in order to protect field equipment from contact with the ground, to prevent or minimize the possible introduction of foreign materials into the wells, and in general in order to mitigate the possibility of cross-contamination. Where previous laboratory data is available, or where visual of olfactory indicators provide initial evidence, well sampling order is arranged to proceed with the least contaminated well, often the upgradient groundwater monitoring wells, and sampling order proceeds by sampling wells associated with successively higher contamination levels. Thus, the wells exhibiting the highest contamination levels are sampled last, in order to minimize the possibility of cross contamination.

A fresh pair of disposable Nitrile gloves is worn at each well. Equipment neither disposable nor dedicated to wells, is washed in a dedicated container prepared with non-phosphate detergent and triple rinsed in a second container prepared with distilled and/or deionized water. Surfaces that cannot be readily submerged for the purpose of decontamination, are sprayed with wash water followed by rinse water, and wiped with a fresh disposable paper towel. For shallow wells that require a peristaltic pump, dedicated tubing is left in each well after sampling, however, for deeper wells that require a submersible pump, dedicated tubing is recovered from wells after each use, and deployed to a designated dedicated clean plastic bag, bearing a label indicating well identification information.

Water Level Measurement

Prior to the well purge process and the collection of groundwater samples, groundwater levels are measured at the north side of the ("TOC") with a piezometer/water level indicator, by slowly lowering the sensor into wells prior to purging, in order to minimize disturbances. The water levels are measured twice, with tape a marked in 0.01 foot increments, in order to reduce possible reading error. Where appropriate, free product thickness is measured with gas level indicator paste or an interface indicator. Upon arrival, each well is visual inspected and the condition of the well and well head are noted.

Low-Flow Groundwater Monitoring Well Purge and Sampling Methodologies

Prior to groundwater sample collection, A dedicated length of high density polyethylene tubing is lowered into each well to a level near the middle of the screened interval. A dedicated length of clean silicone tubing is utilized within the pump mechanism. The wells are purged by means of low flow techniques, during which time groundwater is monitored for physical parameters, including temperature, pH, specific conductivity, dissolved oxygen (DO), and oxidation-reduction potential (ORP), by means of a multi-parameter device mounted upon a flow

cell, until such time as values recorded have stabilized and equilibrium conditions are verified according to State guidelines. This protocol ensures that collected groundwater samples are representative of in-situ groundwater conditions. Readings are recorded once every 2 to 5 minutes, including water level measurement. The pumping rate shall remain below 1 L/min during monitoring and sampling procedures. This is verified by periodically filling a one-Liter graduated cylinder and recording the rate, adjusting the pump as necessary. The water column within the well should remain within 5% of the static height during the purge and sample process, if this cannot be achieved, the pump rate will be reduced until the water level stabilizes. The following conditions must be met in three consecutive readings prior to sampling:

• pH	+/- 0.1 standard units
• Specific Conductivity	+/- 10.0 mS/cm for values < 1,000 mS/cm
	+/- 20.0 mS/cm for values > 1,000 mS/cm
• DO	+/- 0.05 mg/L for values < 1 mg/L
	+/- 0.2 mg/L for values > 1 mg/L
• Temperature	+/- 0.1 degrees Celcius
• ORP	+/- 10 mV

Hand Bail Groundwater Monitoring Well Purge and Sampling Methodologies

Prior to groundwater sample collection, fishing line is tied to a high density polyethylene bailer then slowly lowered into each well until 1-L of water (or 250-mL for 1-inch wells) fills the bailer. The bailer is then pulled to the surface, being careful to spill onto the surrounding surface. Using the polyethylene straw that comes with each bailer, press it into the ball check valve on the bottom of the bailer and empty into a 5-gallon bucket. Repeat this process until three casing volumes have been removed. Place the bailer back into its plastic sleeve temporarily. Check the water levels, if there is at least 95% of the original water column length, lower the bailer down to collect the sample. If the level is less than 95%, wait for the well to recharge before sampling.

Groundwater samples are collected in containers specified by the laboratory for the analyses established at the Site, and in accordance with State of Washington regulations or guidelines. Sample containers are labeled with site name, well identification, and date of collection information. Each sample is documented on a *Chain of Custody* (“”COC”) form, and immediately placed in an iced cooler (maintained at 4 degrees Celcius or less) for transport to a certified laboratory for analysis. Please note that any purge water suspected or confirmed to contain concentrations above the MTCA Cleanup Levels is drummed and left on Site.