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Transmitted via Electronic Mail

January 13, 2024

Ms. Tena Seeds Washington State Department of Ecology Toxics Cleanup Program 15700 Dayton Ave N., Shoreline, WA 98133

RE: Quarterly Progress Report: October 1 through December 31, 2024 Time Oil Bulk Terminal Site, Cleanup Site ID #14604 Prospective Purchaser Consent Decree No. 20-2-15215-3 SEA

Dear Ms. Seeds:

Pioneer Engineering & Environmental Services, LLC on behalf of TOC Seattle Terminal 1, LLC submits the attached Quarterly Progress Report for the Time Oil Bulk Terminal Site per Section XII of the Prospective Purchaser Consent Decree between the Washington State Department of Ecology and TOC Seattle Terminal 1, LLC. The quarterly progress report consists of a brief narrative summary of notable activities that occurred during the reporting period and that are anticipated for the upcoming reporting period.

If you have any questions about this report, please contact me at 773-435-3725.

Sincerely,

Kin Heupel

Kim Hempel Project Coordinator Pioneer Engineering & Environmental Services, LLC

Distribution List: Doug Ciserella and Mike Ciserella, TOC Seattle Terminal 1, LLC Bill Joyce and Alexandra Kleeman, Hillis Clark Martin & Peterson P.S. Jamie Stevens, CRETE Consulting Kristin Anderson, Floyd|Snider

TIME OIL BULK TERMINAL SITE PROSPECTIVE PURCHASER CONSENT DECREE NO. 20-2-15215-3 SEA QUARTERLY PROGRESS REPORT: OCTOBER 1 THROUGH DECEMBER 31, 2024

This report has been prepared in accordance with the requirements of the Time Oil Bulk Terminal Site Prospective Purchaser Consent Decree (PPCD) between the Washington State Department of Ecology (Ecology) and TOC Seattle Terminal 1, LLC. This progress report provides details on the following: 1) all on site activities; 2) any deviations from required tasks; 3) anticipated problems in meeting schedule or objectives and associated solutions 4) sampling, testing, or other data received; 5) work planned for the upcoming 3-month period; and, 6) deliverables planned for the upcoming 3-month period.

Summary of On-Site Activities Performed During the Reporting Period (PPCD Section XII.A)

- A visual check of the site was conducted on November 20, 2024. Construction associated with redevelopment continues on Parcel F, and all interim surfaces on remaining portions of the Site remain in good condition and no other concerns were noted during the site visits.
- Floyd|Snider (F|S) personnel collected the eighth round of post-remediation groundwater samples on November 20, 2024 (Q4 2024) per the approved Groundwater Monitoring Plan (GMP) and additional Ecology email concurrence dated October 23, 2024. Monitoring included continued groundwater collection at contingency well 01MW107 and additional sampling at 01MW15 and 01MW58R based on elevated trichloroethene (TCE) in upgradient portions of the ASKO property and on the BNSF Property.
- Water samples were collected from the ASKO Property permeable reactive barrier vault and gravity well on November 20, 2024 for operation and maintenance (O&M) assessment purposes. O&M assessment of the permeable reactive barrier vault will continue in Q1 2025.

Deliverables

Deliverables during this reporting period included the following:

- An ASKO and BNSF property line data summary memorandum was submitted to Ecology on October 1, 2024.
- The Quarterly Progress Report for the third quarter of 2024 was submitted to Ecology on October 15, 2024.

Deviations from Required Tasks (PPCD Section XII.B)

• None.

Anticipated Problems in Meeting Schedule or Objectives and Associated Solutions (PPCD Section XII.C and XII.D)

- Based on groundwater samples collected by BNSF in November 2023, TCE and associated cVOC as well as TPH contaminant concentrations originating from the upgradient BNSF property were identified in upgradient groundwater as part of the BNSF remedial investigation at levels considerably higher than those observed in the 2019 remedial investigation for the Time Oil Bulk Terminal Site. The elevated TCE and cVOC concentrations in groundwater on BNSF are impacting the shallow water bearing zone (WBZ) in groundwater wells on the downgradient ASKO parcel owned by TOC Seattle Terminal 1, LLC. These impacts, if they continue, represent an on-going source to groundwater and may affect achievement of the cleanup levels (CULs) at the conditional point of compliance (CPOC) within the predicted 15-year restoration timeframe.
- Aside from the item above, there are no other anticipated problems in meeting the schedule of deliverables specified in Exhibit D of the PPCD. The schedule of deliverables and activities specified in Table 8.1 of the Cleanup Action Plan (Exhibit C of the PPCD) are currently on track or ahead of schedule.

Raw Data Received (PPCD Section XII.E)

- Groundwater sampling results for the 4th Quarter 2024 were received from Friedman & Bruya, Inc. on December 3, 2024. Results were received in one sample delivery group (F&BI 411323);
- Samples collected for O&M purposes from the ASKO property permeable reactive barrier vault and gravity well were received on December 3, 2024. Results were received in one sample delivery group (F&BI 411322); and
- Copies of the laboratory reports discussed herein are provided as an attachment to this Progress Report.

Work Planned During the Upcoming Reporting Period (PPCD Section XII.F)

The following work is planned for the 1st Quarter 2025:

- Ninth round of groundwater sampling and site-wide synoptic gauging is scheduled for mid-February 2025;
- Review of any additional data or deliverables that may be provided by BNSF;
- Monitoring well network updates, as described in an email to Ecology dated January 7, 2025, are anticipated to be performed in March or April 2025, pending Ecology approval;
- Construction on the remaining portions of the ASKO and Bulk Terminal parcels (outside of Lot F) is anticipated to begin in March or April 2025;
- Construction on Lot F continues and is anticipated to be completed by late March 2025;
- Vapor sampling for the structure on Lot F will be scheduled pending building completion; and
- Site checks will be conducted periodically on all interim surfaces outside of Lot F until construction begins to ensure that conditions remain stable during the interim period prior to site development.

Deliverables Planned During the Upcoming Reporting Period (PPCD Section XII.G)

The following deliverables are anticipated to be completed during the next quarterly reporting period of January through March 2025:

- Transmittal of a summary of 4th Quarter 2024 groundwater sampling results to Ecology via email;
- Submittal of the Quarterly Progress Report for the 4th Quarter 2024;
- Submittal of a Notification of Construction Activities for the upcoming grading and construction work planned for remaining portions of the ASKO and Bulk Terminal parcels (outside of Lot F); and
- Submittal of the Long-Term Compliance Monitoring Annual Report for 2024.

Other Pertinent Information, Including Changes in Key Personnel

• None.

Attachments

• Attachment 1 – Laboratory Analytical Reports

END QUARTERLY PROGRESS REPORT

ATTACHMENT 1

Laboratory Analytical Reports

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Vineta Mills, M.S. Eric Young, B.S. December 3, 2024 5500 4th Ave South Seattle, WA 98108-2419 (206) 285-8282 office@friedmanandbruya.com www.friedmanandbruya.com

Pamela Osterhout, Project Manager Floyd-Snider Two Union Square 601 Union St, Suite 600 Seattle, WA 98101

Dear Ms Osterhout:

Included are the results from the testing of material submitted on November 20, 2024 from the Time Oil Seattle, F&BI 411323 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Floyd Snider Lab Data, Kristin Anderson FDS1203R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2024 by Friedman & Bruya, Inc. from the Floyd-Snider Time Oil Seattle, F&BI 411323 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Floyd-Snider</u> |
|----------------------|---------------------|
| 411323 -01 | 01MW53R-112024 |
| 411323 -02 | 01MW85-112024 |
| 411323 -03 | 01MW107-112024 |
| 411323 -04 | 01MW58R-112024 |
| 411323 -05 | 01MW84-112024 |
| 411323 -06 | 01MW84-D-112024 |
| 411323 -07 | 01MW46-112024 |
| 411323 -08 | 01MW19R-112024 |
| 411323 -09 | Trip Blank |

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/24 Date Received: 11/20/24 Project: Time Oil Seattle, F&BI 411323 Date Extracted: 11/21/24 Date Analyzed: 11/25/24

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Gasoline Range</u> | Surrogate (<u>% Recovery)</u> (Limit 50-150) |
|-----------------------------------|-----------------------|---|
| 01MW84-112024 411323-05 | 1,700 | 88 |
| 01MW84-D-112024 411323-06 | 1,800 | 101 |
| 01MW19R-112024 411323-08 | 490 | 98 |
| Method Blank | <100 | 91 |

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/24 Date Received: 11/20/24 Project: Time Oil Seattle, F&BI 411323 Date Extracted: 11/21/24 Date Analyzed: 11/21/24

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | Diesel Range (C10-C25) | Motor Oil Range (C25-C36) | Surrogate <u>(% Recovery)</u> (Limit 41-152) |
|-----------------------------------|---------------------------|------------------------------|--|
| 01MW58R-112024 411323-04 | 570 x | <250 | 104 |
| 01MW84-112024 411323-05 | 1,100 x | <250 | 110 |
| 01MW84-D-112024 411323-06 | 1,200 x | <250 | 117 |
| 01MW19R-112024 411323-08 | 710 x | 350 x | 111 |
| Method Blank 04-2890 MB | <50 | <250 | 110 |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: Date Received: Date Extracted: Date Analyzed: | 01MW53R-1 11/20/24 11/27/24 11/27/24 | 112024 | Client: Project: Lab ID: Data File: | Floyd-Snider Time Oil Seattle, F&BI 411323 411323-01 112727.D |
|--|---|--------------------------------|--|--|
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| Surrogates: 1,2-Dichloroethane- Toluene-d8 4-Bromofluorobenze | d4 ene | % Recovery: 100 97 98 | Lower Limit: 78 84 72 | Upper Limit: 126 115 130 |
| Compounds: | | Concentration ug/L (ppb) | | |
| Vinyl chloride cis-1,2-Dichloroethe Trichloroethene | ne | $0.41 \\ 2.2 \\ 15$ | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: | 01MW85-11 | 2024 | Client: | Floyd-Snider |
|----------------------|------------|---------------|-------------|-------------------------------|
| Date Received: | 11/20/24 | | Project: | Time Oil Seattle, F&BI 411323 |
| Date Extracted: | 11/27/24 | | Lab ID: | 411323-02 1/10 |
| Date Analyzed: | 11/27/24 | | Data File: | 112729.D |
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane- | d4 | 91 | 78 | 126 |
| Toluene-d8 | | 95 | 84 | 115 |
| 4-Bromofluorobenze | ene | 98 | 72 | 130 |
| | | Concentration | | |
| Compounds: | | ug/L (ppb) | | |
| Vinyl chloride | | 36 | | |
| cis-1,2-Dichloroethe | ne | 990 | | |
| Trichloroethene | | 5.0 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: Date Received: Date Extracted: | 01MW107-1 11/20/24 11/27/24 | 12024 | Client: Project: Lab ID: Data File: | Floyd-Snider Time Oil Seattle, F&BI 411323 411323-03 118732 D |
|--|-----------------------------------|-------------------------------|--|--|
| Matrix: | 11/2//24 Water | | Instrument. | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| Surrogates: 1,2-Dichloroethane- Toluene-d8 4-Bromofluorobenze | d4 ene | % Recovery: 94 95 95 | Lower Limit: 78 84 72 | Upper Limit: 126 115 130 |
| Compounds: | | Concentration ug/L (ppb) | | |
| Vinyl chloride cis-1,2-Dichloroethe Trichloroethene | ne | <0.02 <1 <0.5 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: | 01MW58R- | 112024 | Client: | Floyd-Snider |
|----------------------|------------|---------------|-------------|-------------------------------|
| Date Received: | 11/20/24 | | Project: | Time Oil Seattle, F&BI 411323 |
| Date Extracted: | 11/27/24 | | Lab ID: | 411323-04 1/10 |
| Date Analyzed: | 11/27/24 | | Data File: | 112728.D |
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane- | d4 | 89 | 78 | 126 |
| Toluene-d8 | | 90 | 84 | 115 |
| 4-Bromofluorobenze | ene | 103 | 72 | 130 |
| | | Concentration | | |
| Compounds: | | ug/L (ppb) | | |
| Vinyl chloride | | 24 | | |
| cis-1,2-Dichloroethe | ne | 200 | | |
| Trichloroethene | | 92 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: | 01MW84-1 | 12024 | Client: | Floyd-Snider |
|--------------------|------------|---------------|-------------|-------------------------------|
| Date Received: | 11/20/24 | | Project: | Time Oil Seattle, F&BI 411323 |
| Date Extracted: | 11/27/24 | | Lab ID: | 411323-05 |
| Date Analyzed: | 11/27/24 | | Data File: | 112725.D |
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane | -d4 | 98 | 78 | 126 |
| Toluene-d8 | | 101 | 84 | 115 |
| 4-Bromofluorobenz | ene | 99 | 72 | 130 |
| | | Concentration | | |
| Compounds: | | ug/L (ppb) | | |
| Benzene | | <0.35 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: | 01MW84-D 11/20/24 11/27/24 11/27/24 Water | -112024 | Client: Project: Lab ID: Data File: Instrument: | Floyd-Snider Time Oil Seattle, F&BI 411323 411323-06 112726.D GCMS11 |
|---|---|-----------------------------|---|--|
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane | -d4 | 92 | 78 | 126 |
| Toluene-d8 | | 102 | 84 | 115 |
| 4-Bromofluorobenz | ene | 99 | 72 | 130 |
| Compounds: | | Concentration ug/L (ppb) | | |
| Benzene | | < 0.35 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: | 01MW46-11 | 2024 | Client: | Floyd-Snider |
|----------------------|------------|-----------------------------|-------------|-------------------------------|
| Date Received: | 11/20/24 | | Project: | Time Oil Seattle, F&BI 411323 |
| Date Extracted: | 11/27/24 | | Lab ID: | 411323-07 1/10 |
| Date Analyzed: | 11/27/24 | | Data File: | 112730.D |
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane- | d4 | 100 | 78 | 126 |
| Toluene-d8 | | 95 | 84 | 115 |
| 4-Bromofluorobenze | ene | 101 | 72 | 130 |
| Compounds: | | Concentration ug/L (ppb) | | |
| Vinyl chloride | | 160 | | |
| cis-1,2-Dichloroethe | ne | 770 | | |
| Trichloroethene | | 130 | | |
| Benzene | | <3.5 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: | 01MW19R-1 | 112024 | Client: | Floyd-Snider |
|--------------------|------------|---------------|-------------|-------------------------------|
| Date Received: | 11/20/24 | | Project: | Time Oil Seattle, F&BI 411323 |
| Date Extracted: | 11/27/24 | | Lab ID: | 411323-08 |
| Date Analyzed: | 11/27/24 | | Data File: | 112724.D |
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane | ·d4 | 87 | 78 | 126 |
| Toluene-d8 | | 91 | 84 | 115 |
| 4-Bromofluorobenze | ene | 96 | 72 | 130 |
| | | Concentration | | |
| Compounds: | | ug/L (ppb) | | |
| Benzene | | 1.0 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: | Method Bla | nk | Client: | Floyd-Snider |
|----------------------|-------------|-----------------------------|-------------|-------------------------------|
| Date Received: | Not Applica | ble | Project: | Time Oil Seattle, F&BI 411323 |
| Date Extracted: | 11/27/24 | | Lab ID: | 04-2867 mb |
| Date Analyzed: | 11/27/24 | | Data File: | 112718.D |
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane- | d4 | 93 | 78 | 126 |
| Toluene-d8 | | 96 | 84 | 115 |
| 4-Bromofluorobenze | ene | 94 | 72 | 130 |
| Compounds: | | Concentration ug/L (ppb) | | |
| Vinyl chloride | | < 0.02 | | |
| cis-1,2-Dichloroethe | ene | <1 | | |
| Trichloroethene | | < 0.5 | | |
| Benzene | | < 0.35 | | |

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/24 Date Received: 11/20/24 Project: Time Oil Seattle, F&BI 411323

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

| Laboratory Code: 411293-06 (Duplicate) | | | | | | | | | |
|---|------------|----------------|----------|------------|------------|--|--|--|--|
| | Reporting | Samp | le Duj | olicate | RPD | | | | |
| Analyte | Units | Resul | lt Re | esult | (Limit 20) | | | | |
| Gasoline | ug/L (ppb) | opb) <100 <100 | | nm | | | | | |
| Laboratory Code: Laboratory Control Sample Percent | | | | | | | | | |
| | Reporting | Spike | Recovery | Acceptance | | | | | |
| Analyte | Units | Level | LCS | Criteria | _ | | | | |
| Gasoline | ug/L (ppb) | 1,000 | 99 | 70-130 | _ | | | | |

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/24 Date Received: 11/20/24 Project: Time Oil Seattle, F&BI 411323

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

| | | | Percent | Percent | | |
|-----------------|------------|-------|----------|----------|------------|----------------------|
| | Reporting | Spike | Recovery | Recovery | Acceptance | RPD |
| Analyte | Units | Level | LCS | LCSD | Criteria | (Limit 20) |
| Diesel Extended | ug/L (ppb) | 2,500 | 92 | 92 | 72-139 | 0 |

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/24 Date Received: 11/20/24 Project: Time Oil Seattle, F&BI 411323

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 411322-03 (Matrix Spike)

| | | | | Percent | |
|------------------------|------------|-------|--------|----------|------------|
| | Reporting | Spike | Sample | Recovery | Acceptance |
| Analyte | Units | Level | Result | MS | Criteria |
| Vinyl chloride | ug/L (ppb) | 10 | < 0.02 | 102 | 50 - 150 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 10 | 1.4 | 84 | 10-211 |
| Benzene | ug/L (ppb) | 10 | < 0.35 | 104 | 50 - 150 |
| Trichloroethene | ug/L (ppb) | 10 | 11 | 0 b | 35 - 149 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|------------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Vinyl chloride | ug/L (ppb) | 10 | 108 | 107 | 64-142 | 1 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 10 | 106 | 100 | 70-130 | 6 |
| Benzene | ug/L (ppb) | 10 | 106 | 103 | 70-130 | 3 |
| Trichloroethene | ug/L (ppb) | 10 | 96 | 94 | 70-130 | 2 |

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

 ${\rm j}$ - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

 ${\rm J}$ - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

 $k-\mbox{The calibration results}$ for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

 $\rm pc$ - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

| Rece | Reli | Friedman & Bruya, Inc. Rehi Ph. (206) 285-8282 | | | TRIP BLANK | 01MW 19R-112024 | 01MW46-112024 | 01MW 84- D-112024 | 01MW84-112024 | 01MWSBR-112024 | 01 MW107 - 112024 | OIMWBS-112024 | 01MWS3R-112024 | Sample ID | | PhoneEmail | City, State, ZIP Satur, WC | Address 100 Union St. Swi | Company Floyd Snuller | 411323 Report To Pamila Ostarhant | |
|----------|--------------|---|---------|-------|------------|-----------------|---------------|-------------------|---------------|----------------|-------------------|---------------|----------------|---------------------------------|------------|-------------|----------------------------|---------------------------|-----------------------|--------------------------------------|--------|
| ived by: | nquished by: | ived by: | ХS | - | OPAB | 08 A.G | 07 A.C | 06 A.G | 05 A.G | OY A-D | 03 A.C | 02 A-C | 0/ A-C | Lab ID | | about Pr | 7 | to had | | Kishn A | |
| | Inc | LALL | INATURE | | | - | | | | 1. 1. 1. | | _ | 11/20/24 | Date Sampled | | ysnikeria | L. | | | ndersen | |
| | | WIN | 111 | | | CA:45 | 10:11 | 10:50 | UN:40 | 11.00 | 13:50 | 14:15 | 13:31 | Time Sampled | | M Project s | REMAR | Tim | PROJEC | SAMPLE | |
| | Au | · P O | | | | F | | - | | | | | GW | Sample Type | <i>I</i> . | pecific RLs | SY | Dr South | TNAME | CHAIN ERS (signat | |
| | h Ph | sta | PRIN | | | 4 | cu) | 4 | 4 | F | w | w | w | # of Jars | | ? - Ye | | 0 | | UTE) |) |
| | Gun | that | VT N | | | < | | \leq | \leq | < | | | | NWTPH-Dx | Π | s / 1 | | | | Ru | |
| | | 7 | AME | - | | \leq | | \leq | 5 | | | | | NWTPH-Gx | | Vo | | | | RIOI |)) |
| | | | | | | | | | | | | | | BTEX EPA 8021 | | - | | | | X | 1 |
| | | - | | | | | | | - | | | + | | VOCs EPA 8260 | ANA | 00 | INV | | _ | A | |
| | | | | | | \mathbf{T} | | | | | | | | PAHs EPA 8270 | LYS | leen | DICE | 2 13 13 | PO # | 2 | |
| | FR | BS | | | ~ | | | | | | | | | PCBs EPA 8082 | ES RI | | TO | | | | |
| | H | | DOW | Sam | | | < | | | \leq | \leq | \leq | \leq | TCEI GISII2-DEE, VC by 82100 | QUI | | | | | 1-6 | |
| | | | PAN | ples | | \leq | | \leq | | | | | | Benzeni Bruc | STE | | | - - - | | 0 | |
| | | | Y | 100 | | | | | | | | | | . 7 | | Othe | Archi | ısh ch | Stand RUSI | 76 | |
| | | | | etve: | | | | | | | | - | - | | | r Dis | AMP ve sa | larges | Hard t | ge # | |
| | 11/20 | 120 | DA | 24 | F | | | | | | | | | | | spose | LE DI mples | auth | urnar | ROU | |
| | 12/24 | 24 | TE | 50 | 5 | | | | | | | | | Not | | after | SPOS | orized | ound | ND T | |
| | 15: | N. | TI | ŝ | | | | | | | | | | es | | 30 da | 3AL | l by: | | ME | |
| | 21 | 14 | ME | | | | | | | | | | | | | ays | | | | E | ſ |

3

| SA | MPLE COND | ITION UPON RECEIP | T CHECKLIS | T | |
|---|------------------------------------|------------------------------------|------------------|-------------------|-------------------|
| РКОЈЕСТ # <u>Ц [] </u> | CLIENT_ | Floyd Snider | INITIA DATE:_ | LS/ AP 11/20 | <u> 24</u> |
| If custody seals are | present on co | ooler, are they intact? | ø NA | D YES | □ NO |
| Cooler/Sample temp | erature | | The | rmometer ID: Flu | °C ke 96312917 |
| Were samples receiv | ved on ice/col | d packs? | | Ø YES | 🗆 NO |
| How did samples ar | rive? ne Counter | □ Picked up by F&BI | D FedE | x/UPS/GSO | |
| Is there a Chain-of-(*or other representative do | Custody* (CO ocuments, letters, | C)? Ø YES and/or shipping memos | □ NO Ini Da | tials/ NA) te: | 121 |
| Number of days sam | ples have be | en sitting prior to rece | eipt at laborat | tory | _ days |
| Are the samples clea | arly identifie | d? (explain "no" answer belov | v) | Z YES | 🗆 NO |
| Were all sample con leaking etc.)? (explain | tainers recei "no" answer belo | ved intact (i.e. not bro w) | ken, | ₫ YES | D NO |
| Were appropriate sa | ample contain | ners used? | P-YES D1 | 10 D U | nknown |
| If custody seals are | present on sa | amples, are they intact | ? Æ NA | D YES | □ NO |
| Are samples requiri | ng no headsr | pace, headspace free? | 🗆 NA | & YES | □ NO |
| Is the following info (explain "no" answer below | ormation prov | vided on the COC, and | does it match | n the samp | le label? |
| Sample ID's | ₽ Yes □ No | | | \Box Not on C | C/label |
| Date Sampled | 🖉 Yes 🗆 No | | | \Box Not on C | C/label |
| Time Sampled | 🖉 Yes 🗆 No | | | \Box Not on C | C/label |
| # of Containers | 🖉 Yes 🗆 No | | | | |
| Relinquished | 🗹 Yes 🗆 No | | | | · · · |
| Requested analysis | 🛛 Yes 🗆 On | Hold | | | |
| Other comments (us | se a separate p | age if needed) | | - - - | |
| | | | | | |
| Air Samples: Were a | any additions | al canisters/tubes rece | ived? INA | □ YES 7 tubes | D NO |
| Number of unused ' | TO15 caniste | rs Number 0 | unuseu i Oi | | |
| | | | | Rov | 05/01/24 |

File :P:\Proc_GC10\11-21-24\112128.D
Operator : TL
Acquired : 21 Nov 2024 04:12 pm using AcqMethod DX.M
Instrument : GC10
Sample Name: 411323-04
Misc Info :
Vial Number: 23



File :P:\Proc_GC10\11-21-24\112129.D
Operator : TL
Acquired : 21 Nov 2024 04:23 pm using AcqMethod DX.M
Instrument : GC10
Sample Name: 411323-05
Misc Info :
Vial Number: 24



File :P:\Proc_GC10\11-21-24\112130.D
Operator : TL
Acquired : 21 Nov 2024 04:35 pm using AcqMethod DX.M
Instrument : GC10
Sample Name: 411323-06
Misc Info :
Vial Number: 25



File :P:\Proc_GC10\11-21-24\112131.D
Operator : TL
Acquired : 21 Nov 2024 04:47 pm using AcqMethod DX.M
Instrument : GC10
Sample Name: 411323-08
Misc Info :
Vial Number: 26



File :P:\Proc_GC10\11-21-24\112117.D
Operator : TL
Acquired : 21 Nov 2024 02:02 pm using AcqMethod DX.M
Instrument : GC10
Sample Name: 04-2890 mb
Misc Info :
Vial Number: 14



File :P:\Proc_GC10\11-21-24\112103.D Operator : TL : 21 Nov 2024 07:50 am using AcqMethod DX.M Acquired Instrument : GC10 Sample Name: 500 Dx 73-88G Misc Info : Vial Number: 3



ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Vineta Mills, M.S. Eric Young, B.S. December 3, 2024 5500 4th Ave South Seattle, WA 98108-2419 (206) 285-8282 office@friedmanandbruya.com www.friedmanandbruya.com

Pamela Osterhout, Project Manager Floyd-Snider Two Union Square 601 Union St, Suite 600 Seattle, WA 98101

Dear Ms Osterhout:

Included are the results from the testing of material submitted on November 20, 2024 from the Time Oil Seattle, F&BI 411322 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures c: Floyd Snider Lab Data, Kristin Anderson FDS1203R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2024 by Friedman & Bruya, Inc. from the Floyd-Snider Time Oil Seattle, F&BI 411322 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | Floyd-Snider |
|----------------------|------------------|
| 411322 -01 | Gravity-112024 |
| 411322 -02 | INF Vault-112024 |
| 411322 -03 | Clear-112024 |

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

| Client Sample ID: | Gravity-112 | 024 | Client: | Floyd-Snider |
|----------------------|-------------|---------------|-------------|-------------------------------|
| Date Received: | 11/20/24 | | Project: | Time Oil Seattle, F&BI 411322 |
| Date Extracted: | 11/27/24 | | Lab ID: | 411322 01 1/10 |
| Date Analyzed: | 11/27/24 | | Data File: | 112732.D |
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane- | d4 | 104 | 78 | 126 |
| Toluene-d8 | | 96 | 84 | 115 |
| 4-Bromofluorobenze | ene | 100 | 72 | 130 |
| | | Concentration | | |
| Compounds: | | ug/L (ppb) | | |
| Vinyl chloride | | 35 | | |
| cis-1,2-Dichloroethe | ne | 410 | | |
| Trichloroethene | | 370 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: INF Vault- | | 112024 | Client: | Floyd-Snider | | |
|------------------------------|------------|---------------|-------------|-------------------------------|--|--|
| Date Received: | 11/20/24 | | Project: | Time Oil Seattle, F&BI 411322 | | |
| Date Extracted: | 11/27/24 | | Lab ID: | 411322-02 | | |
| Date Analyzed: | 11/27/24 | | Data File: | 112721.D | | |
| Matrix: | Water | | Instrument: | GCMS11 | | |
| Units: | ug/L (ppb) | | Operator: | MD | | |
| | | | Lower | Upper | | |
| Surrogates: | | % Recovery: | Limit: | Limit: | | |
| 1,2-Dichloroethane-d4 | | 108 | 78 | 126 | | |
| Toluene-d8 | | 102 | 84 | 115 | | |
| 4-Bromofluorobenze | ene | 94 | 72 | 130 | | |
| | | Concentration | | | | |
| Compounds: | | ug/L (ppb) | | | | |
| Vinyl chloride | | 0.22 | | | | |
| cis-1,2-Dichloroethe | ne | 4.9 | | | | |
| Trichloroethene | | 14 | | | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: | Clear-112024 11/20/24 11/27/24 11/27/24 Water | l | Client: Project: Lab ID: Data File: Instrument: | Floyd-Snider Time Oil Seattle, F&BI 411322 411322-03 112722.D GCMS11 |
|---|---|-------------------------------|---|--|
| Units: | ug/L (ppb) | | Operator: | MD |
| Surrogates: 1,2-Dichloroethane- Toluene-d8 4-Bromofluorobenze | d4 ne | % Recovery: 95 99 97 | Lower Limit: 78 84 72 | Upper Limit: 126 115 130 |
| Compounds: | (| Concentration ug/L (ppb) | | |
| Vinyl chloride cis-1,2-Dichloroethe Trichloroethene | ne | <0.02 1.4 11 | | |

ENVIRONMENTAL CHEMISTS

| Client Sample ID: Method Blank | | nk | Client: | Floyd-Snider |
|--------------------------------|------------|---------------|-------------|-------------------------------|
| Date Received: Not Applicable | | | Project: | Time Oil Seattle, F&BI 411322 |
| Date Extracted: | 11/27/24 | | Lab ID: | 04-2867 mb |
| Date Analyzed: | 11/27/24 | | Data File: | 112718.D |
| Matrix: | Water | | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | | Operator: | MD |
| | | | Lower | Upper |
| Surrogates: | | % Recovery: | Limit: | Limit: |
| 1,2-Dichloroethane-d4 | | 93 | 78 | 126 |
| Toluene-d8 | | 96 | 84 | 115 |
| 4-Bromofluorobenze | ene | 94 | 72 | 130 |
| | | Concentration | | |
| Compounds: | | ug/L (ppb) | | |
| Vinyl chloride | | < 0.02 | | |
| cis-1,2-Dichloroethe | ne | <1 | | |
| Trichloroethene | | < 0.5 | | |

ENVIRONMENTAL CHEMISTS

Date of Report: 12/03/24 Date Received: 11/20/24 Project: Time Oil Seattle, F&BI 411322

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 411322-03 (Matrix Spike)

| - | | | | Percent | |
|------------------------|------------|-------|--------|----------|------------|
| | Reporting | Spike | Sample | Recovery | Acceptance |
| Analyte | Units | Level | Result | MS | Criteria |
| Vinyl chloride | ug/L (ppb) | 10 | < 0.02 | 102 | 50 - 150 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 10 | 1.4 | 84 | 10-211 |
| Trichloroethene | ug/L (ppb) | 10 | 11 | 0 b | 35 - 149 |

Laboratory Code: Laboratory Control Sample

| | | | Percent | Percent | | |
|------------------------|------------|-------|----------|----------|------------|----------------------|
| | Reporting | Spike | Recovery | Recovery | Acceptance | RPD |
| Analyte | Units | Level | LCS | LCSD | Criteria | (Limit 20) |
| Vinyl chloride | ug/L (ppb) | 10 | 108 | 107 | 64-142 | 1 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 10 | 106 | 100 | 70-130 | 6 |
| Trichloroethene | ug/L (ppb) | 10 | 96 | 94 | 70-130 | 2 |

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

 ${\rm j}$ - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

 ${\rm J}$ - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

 $k-\mbox{The calibration results}$ for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

| Rec | Seattle WA 98108 Ret (206) 285-8282 Ret office@friedmanandbruya.com | Friedman & Bruya, Inc. Rel 5500 4th Ave S. | | | | | | TA'P Black | CLEAR HARF- 112024 | -CHARAULT - 112024 | F-JUL TIMUN JUIL | 1.11 1/1 1/1 - 110704 | (JANHU-112024 | Sample ID | | PhoneEmail | City, State, ZIP YOTTWIL | - Carly | Address LOOI WINDON St | Company FIND Solder | Report To Pannelia Astard | 411222 |
|-----------|---|---|----------|---|---|-------------|---|------------|--------------------|--------------------|------------------|-----------------------|---------------|--|------------|----------------|--------------------------|-------------|------------------------|---------------------|---------------------------|---------|
| eived by: | eived by: | inquished by | Sug | | | ÷ | | OY A-B. | 63 | | > | 22 | DIA C | Lab ID | | Lab. data () | | | Suite | | hart + Krist | |
| | Ju | hlath | NATURE A | | | | | 11/ en | 11/20/24 | | | - | 120/24 | Date Sampled | | hardsmidure | • | ļ | <i>w</i> CV | | in Anderse | S |
| | | the | D D | | | | | 24 | 04:11 | | 1.00 | 1.20 | 1:20 | Time Sampled | | Project spe | ·. | REMARK | Time | PROJECT | SAMPLER | AMPLE (|
| | Anh | POsta | F | ~ | 1 | | | | STU | 8 | | Î. | JW 3 | Sample # Type Ja | | cific RLs? - | | 01 | ON South | NAME | S (signatur | HAIN O |
| | than | thank | RINT NAM | | | - | | | 00 | | | | | NWTPH-Dx NWTPH-Gx | | Yes / No | | | 6 | Y | e) Jun | F CUSTC |
| | | | E | | | Samples rec | | | | | | | | BTEX EPA 8021 NWTPH-HCID VOCs EPA 8260 | ANAL | | Propos | INANI | | PO | Matul | DY |
| | FhI | 514 | COMP | | | verved at | - | | 5 | < | | < | < | PAHS EPA 8270 PCBs EPA 8082 TCE, US-1,2PCE VC, 54, 2200 | YSES REQUE | | | CE TO | |)# | U I | 11-20- |
| | | | ANY | | | 2 °C | | | | | | | | | STED | Default: D | Archive s Other | SAMI | Rush charge | Standard RUSH | Page # | 76 |
| | 11/20/24 | 11/20/24 | DATE | | | | | | | P.U. | 3 | | | Note | | ispose after : | amples | PLE DISPOSA | es authorized | turnaround | AROUND TIN | |
| | 15:22 | 1522 | TIME | | | | ž | | | | | | | 0 | | 30 days | | T | by: | | ME | VWD |

\$

| SA | MPLE COND | ITION UPON | RECEI | PT CHI | ECKLIST | | |
|--|---|------------------------------|---------------------|-------------------|------------------|--------------------------|--------------------------------|
| project # <u>411322</u> | CLIENT | Floyd Shia | ler | | INITIAL DATE: | si AP 11/20/ | 24 |
| If custody seals are | present on co | ooler, are they | y intact? | | ø NA | □ YES | 🗆 NO |
| Cooler/Sample temp | erature | | • | | Ther | mometer ID: Fluk | <u>°C</u> <u>e 96312917</u> |
| Were samples receiv | ved on ice/col | d packs? | | | | Ø YES | 🗆 NO |
| How did samples ar | rive? ne Counter | □ Picked up | by F&BI | • | □ FedE | /UPS/GSO | |
| Is there a Chain-of-(*or other representative do | C ustody* (CO cuments, letters, | C)? and/or shipping n | VES | D NO | Init Dat | ials/ e:// 次 (| 51 |
| Number of days sam | ples have be | en sitting pri | or to rec | eipt at | laborat | ory | days |
| Are the samples clea | arly identifie | d? (explain "no" a | answer belo | ow) | | ₽-YES | 🗆 NO |
| Were all sample con leaking etc.)? (explain | tainers recei "no" answer belo | ved intact (i.e w) | e. not br | oken, | | Ç∕YES | o NO |
| Were appropriate sa | ample contain | ners used? | i i | | S 🗆 N | 0 🗆 U | nknown |
| If custody seals are | present on sa | amples, are th | ney intac | et? | D-NA | □ YES | |
| Are samples requiri | ng no headsp | oace, headspa | ce free? | | 🗆 NA | □ YES | □ NO |
| Is the following info | ormation prov | vided on the (| COC, an | d does | it match | the sampl | e label? |
| Sample ID's | □ Yes □ No | | | | | □ Not on CC | C/label |
| Date Sampled | ☑ Yes □ No | | | | | □ Not on CC | C/label |
| Time Sampled | ∃-Yes □ No | | | | | □ Not on CC | C/label |
| # of Containers | □-Yes □ No | | | | | | |
| Relinquished | 🗹 Yes 🗆 No | | | | | | |
| Requested analysis | 🗗 Yes 🗆 On | Hold | | | | | |
| Other comments (us | e a separate p | age if needed) | | | | | |
| Air Samples: Were a Number of unused ' | any additiona FO15 caniste | al canisters/tu rs N | ibes reco Number | eived? of unus | □ NA sed TO17 | □ YES | □ NO |
| | | | | | | | |