



Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

June 09, 2023

Kerry Chesnut
Western States Environmental
P.O. Box 1745
Jacksonville, OR 97530
TEL: (541) 770-2482
FAX (541) 772-0293

RE: 23-039 21825 Hwy 62

Order No.: 23060135

Dear Kerry Chesnut:

Neilson Research Corporation received 2 sample(s) on 6/2/2023 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501



Original



**NEILSON
RESEARCH
CORPORATION**

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Case Narrative

WO#: **23060135**
Date: **6/9/2023**

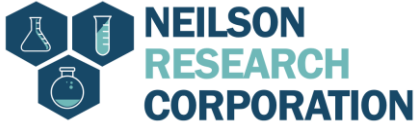
CLIENT: Western States Environmental

Project: 23-039 21825 Hwy 62

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

Original



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Analytical Report

WO#: 23060135
 Date Reported: 6/9/2023

CLIENT: Western States Environmental
Lab ID: 23060135-01
Client Sample ID: 23-039-4N
Project: 23-039 21825 Hwy 62
Sample Address:

Collection Date: 5/31/2023 2:26:00 PM
Received Date: 6/2/2023 3:50:00 PM
Matrix: SOLID

Sample Location: Grab

| Analyses | Method | NELAP Status | Result | Qual | DF | RL | Units | MCL | Date Analyzed/Analyst |
|--|--------|--------------|--------|------|----|----------|-----------|-----|-----------------------|
| NWHCID_S PERCENT MOISTURE | | | | | | | | | |
| Percent Moisture | NWTPH | | 12 | | 1 | 1.0 | % Wt | | 06/05/23 17:43 EA |
| NWHCID_S NORTHWEST HCID IN SOIL | | | | | | | | | |
| TPH as Gasoline | NWHCID | A | Absent | | 1 | 22.2 | mg/Kg-dry | | 06/08/23 9:16 TJW |
| TPH as Diesel | NWHCID | A | Absent | | 1 | 55.4 | mg/Kg-dry | | 06/08/23 9:16 TJW |
| TPH as Lube Oil | NWHCID | A | Absent | | 1 | 111 | mg/Kg-dry | | 06/08/23 9:16 TJW |
| Surr: 4-Bromofluorobenzene | NWHCID | | 105 | | 1 | 50 - 150 | %Rec | | 06/08/23 9:16 TJW |
| Surr: o-Terphenyl | NWHCID | | 84.8 | | 1 | 50 - 150 | %Rec | | 06/08/23 9:16 TJW |

QUALIFIERS

| | | | |
|----|---|----|--|
| CI | Sample container temperature is out of limit as specified at testcode | H | Holding times for preparation or analysis exceeded |
| MI | Recovery outside control limits due to Matrix Interference | ND | Not Detected at the Reporting Limit |
| PL | Permit Limit | | |

Original

NELAP NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028



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Analytical Report

WO#: 23060135
 Date Reported: 6/9/2023

CLIENT: Western States Environmental
Lab ID: 23060135-02
Client Sample ID: 23-039-4S
Project: 23-039 21825 Hwy 62
Sample Address:

Collection Date: 5/31/2023 2:35:00 PM
Received Date: 6/2/2023 3:50:00 PM
Matrix: SOLID

Sample Location: Grab

| Analyses | Method | NELAP Status | Result | Qual | DF | RL | Units | MCL | Date Analyzed/Analyst |
|--|--------|--------------|--------|------|----|----------|-----------|-----|-----------------------|
| NWHCID_S PERCENT MOISTURE | | | | | | | | | |
| Percent Moisture | NWTPH | | 20 | | 1 | 1.0 | % Wt | | 06/05/23 17:43 EA |
| NWHCID_S NORTHWEST HCID IN SOIL | | | | | | | | | |
| TPH as Gasoline | NWHCID | A | Absent | | 1 | 23.9 | mg/Kg-dry | | 06/08/23 10:14 TJW |
| TPH as Diesel | NWHCID | A | Absent | | 1 | 59.8 | mg/Kg-dry | | 06/08/23 10:14 TJW |
| TPH as Lube Oil | NWHCID | A | Absent | | 1 | 120 | mg/Kg-dry | | 06/08/23 10:14 TJW |
| Surr: 4-Bromofluorobenzene | NWHCID | | 111 | | 1 | 50 - 150 | %Rec | | 06/08/23 10:14 TJW |
| Surr: o-Terphenyl | NWHCID | | 97.0 | | 1 | 50 - 150 | %Rec | | 06/08/23 10:14 TJW |

QUALIFIERS

| | | | |
|----|---|----|--|
| CI | Sample container temperature is out of limit as specified at testcode | H | Holding times for preparation or analysis exceeded |
| MI | Recovery outside control limits due to Matrix Interference | ND | Not Detected at the Reporting Limit |
| PL | Permit Limit | | |

Original

NELAP NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028



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QC SUMMARY REPORT

WO#: 23060135
 09-Jun-23

Client: Western States Environmental

Project: 23-039 21825 Hwy 62

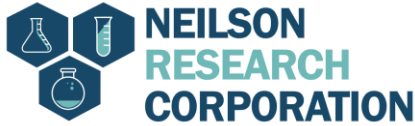
TestCode: NWHCID_S

| Sample ID: MB-21366 | SampType: MBLK | TestCode: NWHCID_S | Units: mg/Kg | Prep Date: 6/6/2023 | RunNo: 40063 | | | | | | |
|----------------------------|------------------------|---------------------------|---------------------|--------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: PBS | Batch ID: 21366 | TestNo: NWHCID | NWHCID | Analysis Date: 6/8/2023 | SeqNo: 661298 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| TPH as Gasoline | Absent | 19.0 | | | | | | | | | |
| TPH as Diesel | Absent | 47.6 | | | | | | | | | |
| TPH as Lube Oil | Absent | 95.2 | | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 41.2 | | 38.06 | | 108 | 50 | 150 | | | | |
| Surr: o-Terphenyl | 17.5 | | 19.03 | | 92.0 | 50 | 150 | | | | |

| Sample ID: 23060135-01ADUP | SampType: DUP | TestCode: NWHCID_S | Units: mg/Kg-dry | Prep Date: 6/6/2023 | RunNo: 40063 | | | | | | |
|-----------------------------------|------------------------|---------------------------|-------------------------|--------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Client ID: 23-039-4N | Batch ID: 21366 | TestNo: NWHCID | NWHCID | Analysis Date: 6/8/2023 | SeqNo: 661300 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| TPH as Gasoline | Absent | 21.5 | | | | | | 0 | 0 | 25 | |
| TPH as Diesel | Absent | 53.8 | | | | | | 0 | 0 | 25 | |
| TPH as Lube Oil | Absent | 108 | | | | | | 0 | 0 | 25 | |
| Surr: 4-Bromofluorobenzene | 46.3 | | 43.04 | | 108 | 50 | 150 | | 0 | 0 | |
| Surr: o-Terphenyl | 21.0 | | 21.52 | | 97.8 | 50 | 150 | | 0 | 0 | |

Qualifiers: CI Sample container temperature is out of limit as specified at testcode H Holding times for preparation or analysis exceeded MI Recovery outside control limits due to Matrix Int
 ND Not Detected at the Reporting Limit PL Permit Limit RL Reporting Detection Limit

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Sample Log-In Check List

Client Name: **WesternStates** Work Order Number: **23060135** RcptNo: **1**

| | | | |
|---------------|--------------------------|-----------------------------|--------------------------|
| Logged by: | Dorie Maier | 6/2/2023 3:50:00 PM | <i>DM</i> |
| Completed By: | Tamra Schmedemann | 6/9/2023 12:41:01 PM | <i>Tamra Schmedemann</i> |
| Reviewed By: | Tamra Schmedemann | 6/9/2023 12:41:05 PM | <i>Tamra Schmedemann</i> |

Chain of Custody

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

Log In

3. Coolers are present? Yes No NA
 4. Shipping container/cooler in good condition? Yes No
 Custody seals intact on shipping container/cooler? Yes No Not Present
 No. Seal Date: Signed By:
 5. Was an attempt made to cool the samples? Yes No NA
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
 7. Sample(s) in proper container(s)? Yes No
 8. Sufficient sample volume for indicated test(s)? Yes No
 9. Are samples (except VOA and ONG) properly preserved? Yes No
 10. Was preservative added to bottles? Yes No NA
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No No VOA Vials
 12. Were any sample containers received broken? Yes No
 13. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 14. Are matrices correctly identified on Chain of Custody? Yes No
 15. Is it clear what analyses were requested? Yes No
 16. Were all holding times able to be met? Yes No
 (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

18. Additional remarks:

Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 5.8 | Good | | | | DM |

Chain of Custody Record

This Chain of Custody is a LEGAL DOCUMENT and must be filled out accurately.

| | | | |
|---|---|---|--|
| Section A Required Client Information Company: Western States Environmental Address: PO Box 1745 Jacksonville, OR 97530 Email: kchesnut@wsenvironmental.com Phone: 541-770-2482 Fax: 541-772-0293 Collected By (Print): Kerry Chesnut Collected By (Sign): <i>Kerry Chesnut</i> Email Report <input checked="" type="checkbox"/> Mail Report <input type="checkbox"/> Fax Report <input type="checkbox"/> | Section B Required Project Information Project Name: 21825 Hwy 62 Project Number: 23-039 Report To: kchesnut@wsenvironmental.com Copy To: _____ | Section C Invoice Information Attention: Christy Dungan Company Name: Western States Environmental Address: PO Box 1745 Jacksonville, OR 97530 P.O. # _____ | Section D Rush Status (Subject to Scheduling) <input checked="" type="checkbox"/> Standard: 10 Business Days <input type="checkbox"/> Priority: 5 Business Days (List x 1.50) <input type="checkbox"/> Express: 3 Business Days (List x 1.75) <input type="checkbox"/> Rush: 2 Business Days (List x 2.00) <input type="checkbox"/> Rush: 1 Business Day (List x 2.50) <input type="checkbox"/> Rush: Same Day (List x 3.00) Authorized <input type="checkbox"/> Yes <input type="checkbox"/> No |
|---|---|---|--|

| Section E Sample Information | | | | | Analysis Requested | | | | | | | | | | NRC Workorder # (Lab Use Only) 23060135 | |
|---------------------------------|-----------|---------|----------------|----------------|--------------------|---------|-----------|-----------|-----|------|-------------|-----------------------------|---------------------------|------|---|--|
| Sample ID | Comp/Grab | Matrix* | Date Collected | Time Collected | No. of Containers | NW HClD | NW TPH-Dx | NW TPH-Gx | PAH | BTEX | MTBE+EDB/EC | Remarks / Field Data | NRC Sample # Use Only) | (Lab | | |
| 23-039-4N | Grab | S | 5/31/23 | 14:26 | 4 | X | X | X | X | X | X | Hold all pending NW HClD | 01 | | | |
| 23-039-4S | Grab | S | 5/31/23 | 14:35 | 4 | X | X | X | X | X | | | 02 | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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*Matrix: DW - Drinking Water WW - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wipe OT - Other

| Section F Relinquish/Receive | | Sign | Print | Date | Time |
|---------------------------------|----------------------|----------------------|-------|--------|---------------------|
| Relinquished By: | <i>Kerry Chesnut</i> | <i>Kerry Chesnut</i> | | 6/2/23 | 15:50 th |
| Received By: | | | | | |
| Relinquished By: | | | | | |
| Received By: | | | | | |
| Relinquished By: | | | | | |
| Received By Laboratory: | <i>[Signature]</i> | <i>Dorie Maier</i> | | 6/2/23 | 15:50 |

| Section G Lab Use Only | |
|-----------------------------|---|
| Temp: | 6.2 IR-M |
| ≤6°C: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Received on Ice: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Number of Bottles Received: | 8 |
| pH Checked: | — |
| COC Seals Intact: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA |
| Field Blank Included: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

| | |
|--------------|--|
| Received Via | <input type="checkbox"/> UPS <input type="checkbox"/> FedEX <input type="checkbox"/> Other <input checked="" type="checkbox"/> Hand |
| Payment: | <input checked="" type="checkbox"/> Invoice <input type="checkbox"/> Cash <input type="checkbox"/> VISA, M/C <input type="checkbox"/> Check # _____ Amount _____ |