



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

Reid Petroleum

For Lab Project ID

205381

Referencing

Zimmies Tire Service

Prepared

Tuesday, November 17, 2020

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "R. R. O'Neil", is positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958



Lab Project ID: 205381

Client: **Reid Petroleum**
Project Reference: Zimmies Tire Service

| | | | |
|--------------------|-----------|----------------|------------|
| Sample Identifier: | North End | | |
| Lab Sample ID: | 205381-01 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

Flash Point

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------------|--------|-------|-----------|---------------|
| Flash Point, Celsius | >70.0 | C | | 11/16/2020 |

Method Reference(s): EPA 1010A

Mercury

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------|--------|-------|-----------|------------------|
| Mercury | 0.539 | mg/Kg | | 11/16/2020 12:03 |

Method Reference(s): EPA 7471B
Preparation Date: 11/13/2020
Data File: Hg201116D

RCRA Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|---------|-------|-----------|------------------|
| Arsenic | 6.15 | mg/Kg | | 11/13/2020 20:29 |
| Barium | 103 | mg/Kg | | 11/13/2020 20:29 |
| Cadmium | 3.52 | mg/Kg | | 11/13/2020 20:29 |
| Chromium | 13.0 | mg/Kg | | 11/13/2020 20:29 |
| Lead | 384 | mg/Kg | | 11/13/2020 20:29 |
| Selenium | < 1.11 | mg/Kg | | 11/13/2020 20:29 |
| Silver | < 0.556 | mg/Kg | | 11/13/2020 20:29 |

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/12/2020
Data File: 201113D

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|---------|-------|-----------|------------------|
| PCB-1016 | < 0.156 | mg/Kg | | 11/12/2020 09:49 |
| PCB-1221 | < 0.156 | mg/Kg | | 11/12/2020 09:49 |
| PCB-1232 | < 0.156 | mg/Kg | | 11/12/2020 09:49 |
| PCB-1242 | < 0.156 | mg/Kg | | 11/12/2020 09:49 |

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Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | North End | | |
| Lab Sample ID: | 205381-01 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|----------|-------------|-------|------------------|
| PCB-1248 | < 0.156 | mg/Kg | 11/12/2020 09:49 |
| PCB-1254 | < 0.156 | mg/Kg | 11/12/2020 09:49 |
| PCB-1260 | 1.72 | mg/Kg | 11/12/2020 09:49 |
| PCB-1262 | < 0.156 | mg/Kg | 11/12/2020 09:49 |
| PCB-1268 | < 0.156 | mg/Kg | 11/12/2020 09:49 |

| | | | | |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| Tetrachloro-m-xylene | 50.0 | 15.1 - 91 | | 11/12/2020 09:49 |

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 11/11/2020

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|--------------|------------------|----------------------|
| 4,4-DDD | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| 4,4-DDE | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| 4,4-DDT | 131 | ug/Kg | | 11/12/2020 15:06 |
| Aldrin | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| alpha-BHC | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| beta-BHC | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| cis-Chlordane | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| delta-BHC | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| Dieldrin | 36.7 | ug/Kg | P | 11/12/2020 15:06 |
| Endosulfan I | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| Endosulfan II | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| Endosulfan Sulfate | 60.4 | ug/Kg | P | 11/12/2020 15:06 |
| Endrin | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| Endrin Aldehyde | 19.9 | ug/Kg | P | 11/12/2020 15:06 |
| Endrin Ketone | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| gamma-BHC (Lindane) | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| Heptachlor | < 15.6 | ug/Kg | | 11/12/2020 15:06 |
| Heptachlor Epoxide | < 15.6 | ug/Kg | | 11/12/2020 15:06 |

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Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | North End | | |
| Lab Sample ID: | 205381-01 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|-----------------|--------|-------|------------------|
| Methoxychlor | 28.6 | ug/Kg | 11/12/2020 15:06 |
| Toxaphene | < 156 | ug/Kg | 11/12/2020 15:06 |
| trans-Chlordane | < 15.6 | ug/Kg | 11/12/2020 15:06 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|--------------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl (1) | 0.00 | 16.8 - 119 | * | 11/12/2020 15:06 |
| Tetrachloro-m-xylene (1) | 38.6 | 20.8 - 112 | | 11/12/2020 15:06 |

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 11/11/2020

pH

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| pH | 7.74 @ 23.0 C | S.U. | | 11/11/2020 15:12 |

Method Reference(s): EPA 9045D

Semi-Volatile Organics (Acid/Base Neutrals)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|------------------------------|---------------|--------------|------------------|----------------------|
| 1,1-Biphenyl | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 1,2,4,5-Tetrachlorobenzene | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 1,2,4-Trichlorobenzene | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 1,2-Dichlorobenzene | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 1,3-Dichlorobenzene | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 1,4-Dichlorobenzene | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 2,2-Oxybis (1-chloropropane) | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 2,3,4,6-Tetrachlorophenol | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 2,4,5-Trichlorophenol | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 2,4,6-Trichlorophenol | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 2,4-Dichlorophenol | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 2,4-Dimethylphenol | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 2,4-Dinitrophenol | < 2620 | ug/Kg | | 11/12/2020 16:18 |
| 2,4-Dinitrotoluene | < 654 | ug/Kg | | 11/12/2020 16:18 |
| 2,6-Dinitrotoluene | < 654 | ug/Kg | | 11/12/2020 16:18 |

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Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

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|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | North End | | |
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| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|------------------------------|-------------|-------|------------------|
| 2-Chloronaphthalene | < 654 | ug/Kg | 11/12/2020 16:18 |
| 2-Chlorophenol | < 654 | ug/Kg | 11/12/2020 16:18 |
| 2-Methylnaphthalene | < 654 | ug/Kg | 11/12/2020 16:18 |
| 2-Methylphenol | < 654 | ug/Kg | 11/12/2020 16:18 |
| 2-Nitroaniline | < 654 | ug/Kg | 11/12/2020 16:18 |
| 2-Nitrophenol | < 654 | ug/Kg | 11/12/2020 16:18 |
| 3&4-Methylphenol | < 654 | ug/Kg | 11/12/2020 16:18 |
| 3,3'-Dichlorobenzidine | < 654 | ug/Kg | 11/12/2020 16:18 |
| 3-Nitroaniline | < 654 | ug/Kg | 11/12/2020 16:18 |
| 4,6-Dinitro-2-methylphenol | < 875 | ug/Kg | 11/12/2020 16:18 |
| 4-Bromophenyl phenyl ether | < 654 | ug/Kg | 11/12/2020 16:18 |
| 4-Chloro-3-methylphenol | < 654 | ug/Kg | 11/12/2020 16:18 |
| 4-Chloroaniline | < 654 | ug/Kg | 11/12/2020 16:18 |
| 4-Chlorophenyl phenyl ether | < 654 | ug/Kg | 11/12/2020 16:18 |
| 4-Nitroaniline | < 654 | ug/Kg | 11/12/2020 16:18 |
| 4-Nitrophenol | < 654 | ug/Kg | 11/12/2020 16:18 |
| Acenaphthene | 810 | ug/Kg | 11/12/2020 16:18 |
| Acenaphthylene | 1270 | ug/Kg | 11/12/2020 16:18 |
| Acetophenone | < 654 | ug/Kg | 11/12/2020 16:18 |
| Anthracene | 2530 | ug/Kg | 11/12/2020 16:18 |
| Atrazine | < 654 | ug/Kg | 11/12/2020 16:18 |
| Benzaldehyde | < 654 | ug/Kg | 11/12/2020 16:18 |
| Benzo (a) anthracene | 7690 | ug/Kg | 11/12/2020 16:18 |
| Benzo (a) pyrene | 7000 | ug/Kg | 11/12/2020 16:18 |
| Benzo (b) fluoranthene | 5570 | ug/Kg | 11/12/2020 16:18 |
| Benzo (g,h,i) perylene | 3750 | ug/Kg | 11/12/2020 16:18 |
| Benzo (k) fluoranthene | 4540 | ug/Kg | 11/12/2020 16:18 |
| Bis (2-chloroethoxy) methane | < 654 | ug/Kg | 11/12/2020 16:18 |
| Bis (2-chloroethyl) ether | < 654 | ug/Kg | 11/12/2020 16:18 |
| Bis (2-ethylhexyl) phthalate | < 654 | ug/Kg | 11/12/2020 16:18 |

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Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | North End | | |
| Lab Sample ID: | 205381-01 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|----------------------------|--------------|-------|------------------|
| Butylbenzylphthalate | < 654 | ug/Kg | 11/12/2020 16:18 |
| Caprolactam | < 654 | ug/Kg | 11/12/2020 16:18 |
| Carbazole | 883 | ug/Kg | 11/12/2020 16:18 |
| Chrysene | 6900 | ug/Kg | 11/12/2020 16:18 |
| Dibenz (a,h) anthracene | 1340 | ug/Kg | 11/12/2020 16:18 |
| Dibenzofuran | < 654 | ug/Kg | 11/12/2020 16:18 |
| Diethyl phthalate | < 654 | ug/Kg | 11/12/2020 16:18 |
| Dimethyl phthalate | < 654 | ug/Kg | 11/12/2020 16:18 |
| Di-n-butyl phthalate | < 654 | ug/Kg | 11/12/2020 16:18 |
| Di-n-octylphthalate | < 654 | ug/Kg | 11/12/2020 16:18 |
| Fluoranthene | 14900 | ug/Kg | 11/12/2020 16:18 |
| Fluorene | 805 | ug/Kg | 11/12/2020 16:18 |
| Hexachlorobenzene | < 654 | ug/Kg | 11/12/2020 16:18 |
| Hexachlorobutadiene | < 654 | ug/Kg | 11/12/2020 16:18 |
| Hexachlorocyclopentadiene | < 2620 | ug/Kg | 11/12/2020 16:18 |
| Hexachloroethane | < 654 | ug/Kg | 11/12/2020 16:18 |
| Indeno (1,2,3-cd) pyrene | 3270 | ug/Kg | 11/12/2020 16:18 |
| Isophorone | < 654 | ug/Kg | 11/12/2020 16:18 |
| Naphthalene | < 654 | ug/Kg | 11/12/2020 16:18 |
| Nitrobenzene | < 654 | ug/Kg | 11/12/2020 16:18 |
| N-Nitroso-di-n-propylamine | < 654 | ug/Kg | 11/12/2020 16:18 |
| N-Nitrosodiphenylamine | < 654 | ug/Kg | 11/12/2020 16:18 |
| Pentachlorophenol | < 1310 | ug/Kg | 11/12/2020 16:18 |
| Phenanthrene | 9550 | ug/Kg | 11/12/2020 16:18 |
| Phenol | < 654 | ug/Kg | 11/12/2020 16:18 |
| Pyrene | 13000 | ug/Kg | 11/12/2020 16:18 |

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| Sample Identifier: | North End | | |
| Lab Sample ID: | 205381-01 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|------------------|
| 2,4,6-Tribromophenol | 60.1 | 40.1 - 84.5 | | 11/12/2020 16:18 |
| 2-Fluorobiphenyl | 55.3 | 43.3 - 79.9 | | 11/12/2020 16:18 |
| 2-Fluorophenol | 47.6 | 42.4 - 75.9 | | 11/12/2020 16:18 |
| Nitrobenzene-d5 | 49.3 | 39.8 - 77.5 | | 11/12/2020 16:18 |
| Phenol-d5 | 45.8 | 43 - 78.8 | | 11/12/2020 16:18 |
| Terphenyl-d14 | 50.9 | 43.1 - 87.7 | | 11/12/2020 16:18 |

Method Reference(s): EPA 8270D
 EPA 3546
Preparation Date: 11/11/2020
Data File: B50669.D

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|------------------|
| 1,1,1-Trichloroethane | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,1,2,2-Tetrachloroethane | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,1,2-Trichloroethane | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,1-Dichloroethane | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,1-Dichloroethene | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,2,3-Trichlorobenzene | < 17.9 | ug/Kg | | 11/12/2020 20:01 |
| 1,2,4-Trichlorobenzene | < 17.9 | ug/Kg | | 11/12/2020 20:01 |
| 1,2-Dibromo-3-Chloropropane | < 35.7 | ug/Kg | | 11/12/2020 20:01 |
| 1,2-Dibromoethane | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,2-Dichlorobenzene | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,2-Dichloroethane | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,2-Dichloropropane | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,3-Dichlorobenzene | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,4-Dichlorobenzene | < 7.14 | ug/Kg | | 11/12/2020 20:01 |
| 1,4-Dioxane | < 71.4 | ug/Kg | | 11/12/2020 20:01 |
| 2-Butanone | < 35.7 | ug/Kg | | 11/12/2020 20:01 |
| 2-Hexanone | < 17.9 | ug/Kg | | 11/12/2020 20:01 |
| 4-Methyl-2-pentanone | < 17.9 | ug/Kg | | 11/12/2020 20:01 |

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Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | North End | | |
| Lab Sample ID: | 205381-01 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|--------------------------|-------------|-------|------------------|
| Acetone | < 35.7 | ug/Kg | 11/12/2020 20:01 |
| Benzene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Bromochloromethane | < 17.9 | ug/Kg | 11/12/2020 20:01 |
| Bromodichloromethane | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Bromoform | < 17.9 | ug/Kg | 11/12/2020 20:01 |
| Bromomethane | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Carbon disulfide | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Carbon Tetrachloride | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Chlorobenzene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Chloroethane | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Chloroform | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Chloromethane | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| cis-1,2-Dichloroethene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| cis-1,3-Dichloropropene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Cyclohexane | < 35.7 | ug/Kg | 11/12/2020 20:01 |
| Dibromochloromethane | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Dichlorodifluoromethane | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Ethylbenzene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Freon 113 | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Isopropylbenzene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| m,p-Xylene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Methyl acetate | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Methyl tert-butyl Ether | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Methylcyclohexane | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Methylene chloride | 19.8 | ug/Kg | 11/12/2020 20:01 |
| o-Xylene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Styrene | < 17.9 | ug/Kg | 11/12/2020 20:01 |
| Tetrachloroethene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Toluene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| trans-1,2-Dichloroethene | < 7.14 | ug/Kg | 11/12/2020 20:01 |

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Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

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| Sample Identifier: | North End | | |
| Lab Sample ID: | 205381-01 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|---------------------------|--------|-------|------------------|
| trans-1,3-Dichloropropene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Trichloroethene | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Trichlorofluoromethane | < 7.14 | ug/Kg | 11/12/2020 20:01 |
| Vinyl chloride | < 7.14 | ug/Kg | 11/12/2020 20:01 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 82.2 | 61 - 146 | | 11/12/2020 20:01 |
| 4-Bromofluorobenzene | 91.5 | 48.8 - 138 | | 11/12/2020 20:01 |
| Pentafluorobenzene | 105 | 65.4 - 141 | | 11/12/2020 20:01 |
| Toluene-D8 | 103 | 62.8 - 133 | | 11/12/2020 20:01 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x74767.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.567 | mg/Kg | | 11/11/2020 |

Method Reference(s): EPA 9014
EPA 9010C
Preparation Date: 11/12/2020



Lab Project ID: 205381

Client: **Reid Petroleum**
Project Reference: Zimmies Tire Service

| | | | |
|--------------------|-----------|----------------|------------|
| Sample Identifier: | South End | | |
| Lab Sample ID: | 205381-02 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

Flash Point

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------------|---------------|--------------|------------------|----------------------|
| Flash Point, Celsius | >70.0 | C | | 11/16/2020 |

Method Reference(s): EPA 1010A

Mercury

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | 0.264 | mg/Kg | | 11/16/2020 11:34 |

Method Reference(s): EPA 7471B
Preparation Date: 11/13/2020
Data File: Hg201116D

RCRA Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 3.87 | mg/Kg | | 11/13/2020 20:34 |
| Barium | 46.8 | mg/Kg | | 11/13/2020 20:34 |
| Cadmium | 1.32 | mg/Kg | | 11/13/2020 20:34 |
| Chromium | 6.52 | mg/Kg | | 11/13/2020 20:34 |
| Lead | 102 | mg/Kg | | 11/13/2020 20:34 |
| Selenium | < 1.07 | mg/Kg | | 11/13/2020 20:34 |
| Silver | < 0.537 | mg/Kg | | 11/13/2020 20:34 |

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/12/2020
Data File: 201113D

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0307 | mg/Kg | M | 11/11/2020 13:28 |
| PCB-1221 | < 0.0307 | mg/Kg | | 11/11/2020 13:28 |
| PCB-1232 | < 0.0307 | mg/Kg | | 11/11/2020 13:28 |
| PCB-1242 | < 0.0307 | mg/Kg | | 11/11/2020 13:28 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | South End | | |
| Lab Sample ID: | 205381-02 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | | |
|----------|---------------|-------|---|------------------|
| PCB-1248 | < 0.0307 | mg/Kg | | 11/11/2020 13:28 |
| PCB-1254 | 0.0684 | mg/Kg | | 11/11/2020 13:28 |
| PCB-1260 | < 0.0307 | mg/Kg | M | 11/11/2020 13:28 |
| PCB-1262 | < 0.0307 | mg/Kg | | 11/11/2020 13:28 |
| PCB-1268 | < 0.0307 | mg/Kg | | 11/11/2020 13:28 |

| | | | | |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| Tetrachloro-m-xylene | 74.1 | 15.1 - 91 | | 11/11/2020 13:28 |

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 11/11/2020

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|--------------|------------------|----------------------|
| 4,4-DDD | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| 4,4-DDE | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| 4,4-DDT | 9.28 | ug/Kg | | 11/11/2020 15:36 |
| Aldrin | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| alpha-BHC | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| beta-BHC | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| cis-Chlordane | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| delta-BHC | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Dieldrin | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Endosulfan I | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Endosulfan II | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Endosulfan Sulfate | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Endrin | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Endrin Aldehyde | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Endrin Ketone | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| gamma-BHC (Lindane) | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Heptachlor | < 3.07 | ug/Kg | | 11/11/2020 15:36 |
| Heptachlor Epoxide | < 3.07 | ug/Kg | | 11/11/2020 15:36 |



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | South End | | |
| Lab Sample ID: | 205381-02 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|-----------------|--------|-------|------------------|
| Methoxychlor | < 3.07 | ug/Kg | 11/11/2020 15:36 |
| Toxaphene | < 30.7 | ug/Kg | 11/11/2020 15:36 |
| trans-Chlordane | < 3.07 | ug/Kg | 11/11/2020 15:36 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|--------------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl (1) | 45.8 | 16.8 - 119 | | 11/11/2020 15:36 |
| Tetrachloro-m-xylene (1) | 74.5 | 20.8 - 112 | | 11/11/2020 15:36 |

Method Reference(s): EPA 8081B
 EPA 3546
Preparation Date: 11/11/2020

pH

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| pH | 8.83 @ 22.9 C | S.U. | | 11/11/2020 15:14 |

Method Reference(s): EPA 9045D

Semi-Volatile Organics (Acid/Base Neutrals)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|------------------------------|---------------|--------------|------------------|----------------------|
| 1,1-Biphenyl | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 1,2,4,5-Tetrachlorobenzene | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 1,2,4-Trichlorobenzene | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 1,2-Dichlorobenzene | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 1,3-Dichlorobenzene | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 1,4-Dichlorobenzene | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 2,2-Oxybis (1-chloropropane) | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 2,3,4,6-Tetrachlorophenol | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 2,4,5-Trichlorophenol | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 2,4,6-Trichlorophenol | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 2,4-Dichlorophenol | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 2,4-Dimethylphenol | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 2,4-Dinitrophenol | < 1150 | ug/Kg | | 11/11/2020 16:25 |
| 2,4-Dinitrotoluene | < 289 | ug/Kg | | 11/11/2020 16:25 |
| 2,6-Dinitrotoluene | < 289 | ug/Kg | | 11/11/2020 16:25 |

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Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | South End | | |
| Lab Sample ID: | 205381-02 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|------------------------------|-------|-------|------------------|
| 2-Chloronaphthalene | < 289 | ug/Kg | 11/11/2020 16:25 |
| 2-Chlorophenol | < 289 | ug/Kg | 11/11/2020 16:25 |
| 2-Methylnaphthalene | < 289 | ug/Kg | 11/11/2020 16:25 |
| 2-Methylphenol | < 289 | ug/Kg | 11/11/2020 16:25 |
| 2-Nitroaniline | < 289 | ug/Kg | 11/11/2020 16:25 |
| 2-Nitrophenol | < 289 | ug/Kg | 11/11/2020 16:25 |
| 3&4-Methylphenol | < 289 | ug/Kg | 11/11/2020 16:25 |
| 3,3'-Dichlorobenzidine | < 289 | ug/Kg | 11/11/2020 16:25 |
| 3-Nitroaniline | < 289 | ug/Kg | 11/11/2020 16:25 |
| 4,6-Dinitro-2-methylphenol | < 386 | ug/Kg | 11/11/2020 16:25 |
| 4-Bromophenyl phenyl ether | < 289 | ug/Kg | 11/11/2020 16:25 |
| 4-Chloro-3-methylphenol | < 289 | ug/Kg | 11/11/2020 16:25 |
| 4-Chloroaniline | < 289 | ug/Kg | 11/11/2020 16:25 |
| 4-Chlorophenyl phenyl ether | < 289 | ug/Kg | 11/11/2020 16:25 |
| 4-Nitroaniline | < 289 | ug/Kg | 11/11/2020 16:25 |
| 4-Nitrophenol | < 289 | ug/Kg | 11/11/2020 16:25 |
| Acenaphthene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Acenaphthylene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Acetophenone | < 289 | ug/Kg | 11/11/2020 16:25 |
| Anthracene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Atrazine | < 289 | ug/Kg | 11/11/2020 16:25 |
| Benzaldehyde | < 289 | ug/Kg | 11/11/2020 16:25 |
| Benzo (a) anthracene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Benzo (a) pyrene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Benzo (b) fluoranthene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Benzo (g,h,i) perylene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Benzo (k) fluoranthene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Bis (2-chloroethoxy) methane | < 289 | ug/Kg | 11/11/2020 16:25 |
| Bis (2-chloroethyl) ether | < 289 | ug/Kg | 11/11/2020 16:25 |
| Bis (2-ethylhexyl) phthalate | < 289 | ug/Kg | 11/11/2020 16:25 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | South End | Date Sampled: | 11/9/2020 |
| Lab Sample ID: | 205381-02 | Date Received: | 11/10/2020 |
| Matrix: | Soil | | |

| | | | |
|----------------------------|------------|-------|------------------|
| Butylbenzylphthalate | < 289 | ug/Kg | 11/11/2020 16:25 |
| Caprolactam | < 289 | ug/Kg | 11/11/2020 16:25 |
| Carbazole | < 289 | ug/Kg | 11/11/2020 16:25 |
| Chrysene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Dibenz (a,h) anthracene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Dibenzofuran | < 289 | ug/Kg | 11/11/2020 16:25 |
| Diethyl phthalate | < 289 | ug/Kg | 11/11/2020 16:25 |
| Dimethyl phthalate | < 289 | ug/Kg | 11/11/2020 16:25 |
| Di-n-butyl phthalate | < 289 | ug/Kg | 11/11/2020 16:25 |
| Di-n-octylphthalate | < 289 | ug/Kg | 11/11/2020 16:25 |
| Fluoranthene | 371 | ug/Kg | 11/11/2020 16:25 |
| Fluorene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Hexachlorobenzene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Hexachlorobutadiene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Hexachlorocyclopentadiene | < 1150 | ug/Kg | 11/11/2020 16:25 |
| Hexachloroethane | < 289 | ug/Kg | 11/11/2020 16:25 |
| Indeno (1,2,3-cd) pyrene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Isophorone | < 289 | ug/Kg | 11/11/2020 16:25 |
| Naphthalene | < 289 | ug/Kg | 11/11/2020 16:25 |
| Nitrobenzene | < 289 | ug/Kg | 11/11/2020 16:25 |
| N-Nitroso-di-n-propylamine | < 289 | ug/Kg | 11/11/2020 16:25 |
| N-Nitrosodiphenylamine | < 289 | ug/Kg | 11/11/2020 16:25 |
| Pentachlorophenol | < 577 | ug/Kg | 11/11/2020 16:25 |
| Phenanthrene | 305 | ug/Kg | 11/11/2020 16:25 |
| Phenol | < 289 | ug/Kg | 11/11/2020 16:25 |
| Pyrene | 300 | ug/Kg | 11/11/2020 16:25 |

Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | South End | | |
| Lab Sample ID: | 205381-02 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|------------------|
| 2,4,6-Tribromophenol | 68.2 | 40.1 - 84.5 | | 11/11/2020 16:25 |
| 2-Fluorobiphenyl | 61.6 | 43.3 - 79.9 | | 11/11/2020 16:25 |
| 2-Fluorophenol | 58.4 | 42.4 - 75.9 | | 11/11/2020 16:25 |
| Nitrobenzene-d5 | 55.2 | 39.8 - 77.5 | | 11/11/2020 16:25 |
| Phenol-d5 | 54.3 | 43 - 78.8 | | 11/11/2020 16:25 |
| Terphenyl-d14 | 54.6 | 43.1 - 87.7 | | 11/11/2020 16:25 |

Method Reference(s): EPA 8270D
 EPA 3546
Preparation Date: 11/11/2020
Data File: B50643.D

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|------------------|
| 1,1,1-Trichloroethane | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,1,2,2-Tetrachloroethane | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,1,2-Trichloroethane | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,1-Dichloroethane | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,1-Dichloroethene | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,2,3-Trichlorobenzene | < 15.0 | ug/Kg | | 11/12/2020 20:24 |
| 1,2,4-Trichlorobenzene | < 15.0 | ug/Kg | | 11/12/2020 20:24 |
| 1,2-Dibromo-3-Chloropropane | < 30.1 | ug/Kg | | 11/12/2020 20:24 |
| 1,2-Dibromoethane | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,2-Dichlorobenzene | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,2-Dichloroethane | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,2-Dichloropropane | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,3-Dichlorobenzene | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,4-Dichlorobenzene | < 6.02 | ug/Kg | | 11/12/2020 20:24 |
| 1,4-Dioxane | < 60.2 | ug/Kg | | 11/12/2020 20:24 |
| 2-Butanone | < 30.1 | ug/Kg | | 11/12/2020 20:24 |
| 2-Hexanone | < 15.0 | ug/Kg | | 11/12/2020 20:24 |
| 4-Methyl-2-pentanone | < 15.0 | ug/Kg | | 11/12/2020 20:24 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: **Reid Petroleum**

Project Reference: Zimmies Tire Service

Sample Identifier: South End

Lab Sample ID: 205381-02

Date Sampled: 11/9/2020

Matrix: Soil

Date Received: 11/10/2020

| | | | |
|--------------------------|--------|-------|------------------|
| Acetone | < 30.1 | ug/Kg | 11/12/2020 20:24 |
| Benzene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Bromochloromethane | < 15.0 | ug/Kg | 11/12/2020 20:24 |
| Bromodichloromethane | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Bromoform | < 15.0 | ug/Kg | 11/12/2020 20:24 |
| Bromomethane | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Carbon disulfide | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Carbon Tetrachloride | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Chlorobenzene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Chloroethane | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Chloroform | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Chloromethane | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| cis-1,2-Dichloroethene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| cis-1,3-Dichloropropene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Cyclohexane | < 30.1 | ug/Kg | 11/12/2020 20:24 |
| Dibromochloromethane | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Dichlorodifluoromethane | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Ethylbenzene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Freon 113 | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Isopropylbenzene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| m,p-Xylene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Methyl acetate | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Methyl tert-butyl Ether | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Methylcyclohexane | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Methylene chloride | 17.4 | ug/Kg | 11/12/2020 20:24 |
| o-Xylene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Styrene | < 15.0 | ug/Kg | 11/12/2020 20:24 |
| Tetrachloroethene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Toluene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| trans-1,2-Dichloroethene | < 6.02 | ug/Kg | 11/12/2020 20:24 |

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Page 16 of 43

Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | South End | | |
| Lab Sample ID: | 205381-02 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|---------------------------|--------|-------|------------------|
| trans-1,3-Dichloropropene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Trichloroethene | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Trichlorofluoromethane | < 6.02 | ug/Kg | 11/12/2020 20:24 |
| Vinyl chloride | < 6.02 | ug/Kg | 11/12/2020 20:24 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 85.3 | 61 - 146 | | 11/12/2020 20:24 |
| 4-Bromofluorobenzene | 86.0 | 48.8 - 138 | | 11/12/2020 20:24 |
| Pentafluorobenzene | 105 | 65.4 - 141 | | 11/12/2020 20:24 |
| Toluene-D8 | 100 | 62.8 - 133 | | 11/12/2020 20:24 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x74768.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.552 | mg/Kg | | 11/11/2020 |

Method Reference(s): EPA 9014
EPA 9010C
Preparation Date: 11/12/2020



Lab Project ID: 205381

Client: **Reid Petroleum**
Project Reference: Zimmies Tire Service

| | | | |
|--------------------|-----------|----------------|------------|
| Sample Identifier: | East End | | |
| Lab Sample ID: | 205381-03 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

Flash Point

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------------|--------|-------|-----------|---------------|
| Flash Point, Celsius | >70.0 | C | | 11/16/2020 |

Method Reference(s): EPA 1010A

Mercury

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------|--------|-------|-----------|------------------|
| Mercury | 1.10 | mg/Kg | | 11/16/2020 12:10 |

Method Reference(s): EPA 7471B
Preparation Date: 11/13/2020
Data File: Hg201116D

RCRA Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|--------|-------|-----------|------------------|
| Arsenic | 7.40 | mg/Kg | | 11/13/2020 20:38 |
| Barium | 123 | mg/Kg | | 11/13/2020 20:38 |
| Cadmium | 2.63 | mg/Kg | | 11/13/2020 20:38 |
| Chromium | 14.4 | mg/Kg | | 11/13/2020 20:38 |
| Lead | 287 | mg/Kg | | 11/13/2020 20:38 |
| Selenium | < 1.07 | mg/Kg | | 11/13/2020 20:38 |
| Silver | 0.565 | mg/Kg | | 11/13/2020 20:38 |

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/12/2020
Data File: 201113D

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|------------------|
| PCB-1016 | < 0.0305 | mg/Kg | | 11/11/2020 14:39 |
| PCB-1221 | < 0.0305 | mg/Kg | | 11/11/2020 14:39 |
| PCB-1232 | < 0.0305 | mg/Kg | | 11/11/2020 14:39 |
| PCB-1242 | < 0.0305 | mg/Kg | | 11/11/2020 14:39 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | East End | | |
| Lab Sample ID: | 205381-03 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|----------|--------------|-------|------------------|
| PCB-1248 | < 0.0305 | mg/Kg | 11/11/2020 14:39 |
| PCB-1254 | 0.125 | mg/Kg | 11/11/2020 14:39 |
| PCB-1260 | < 0.0305 | mg/Kg | 11/11/2020 14:39 |
| PCB-1262 | < 0.0305 | mg/Kg | 11/11/2020 14:39 |
| PCB-1268 | < 0.0305 | mg/Kg | 11/11/2020 14:39 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Tetrachloro-m-xylene | 36.6 | 15.1 - 91 | | 11/11/2020 14:39 |

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 11/11/2020

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|--------------|------------------|----------------------|
| 4,4-DDD | 22.5 | ug/Kg | | 11/12/2020 15:24 |
| 4,4-DDE | 28.3 | ug/Kg | | 11/12/2020 15:24 |
| 4,4-DDT | 162 | ug/Kg | | 11/12/2020 15:24 |
| Aldrin | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| alpha-BHC | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| beta-BHC | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| cis-Chlordane | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| delta-BHC | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Dieldrin | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Endosulfan I | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Endosulfan II | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Endosulfan Sulfate | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Endrin | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Endrin Aldehyde | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Endrin Ketone | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| gamma-BHC (Lindane) | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Heptachlor | < 15.2 | ug/Kg | | 11/12/2020 15:24 |
| Heptachlor Epoxide | < 15.2 | ug/Kg | | 11/12/2020 15:24 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | East End | | |
| Lab Sample ID: | 205381-03 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|-----------------|--------|-------|------------------|
| Methoxychlor | < 15.2 | ug/Kg | 11/12/2020 15:24 |
| Toxaphene | < 152 | ug/Kg | 11/12/2020 15:24 |
| trans-Chlordane | < 15.2 | ug/Kg | 11/12/2020 15:24 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|--------------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl (1) | 0.00 | 16.8 - 119 | * | 11/12/2020 15:24 |
| Tetrachloro-m-xylene (1) | 49.0 | 20.8 - 112 | | 11/12/2020 15:24 |

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 11/11/2020

pH

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| pH | 8.19 @ 22.8 C | S.U. | | 11/11/2020 15:16 |

Method Reference(s): EPA 9045D

Semi-Volatile Organics (Acid/Base Neutrals)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|------------------------------|---------------|--------------|------------------|----------------------|
| 1,1-Biphenyl | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 1,2,4,5-Tetrachlorobenzene | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 1,2,4-Trichlorobenzene | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 1,2-Dichlorobenzene | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 1,3-Dichlorobenzene | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 1,4-Dichlorobenzene | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 2,2-Oxybis (1-chloropropane) | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 2,3,4,6-Tetrachlorophenol | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 2,4,5-Trichlorophenol | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 2,4,6-Trichlorophenol | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 2,4-Dichlorophenol | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 2,4-Dimethylphenol | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 2,4-Dinitrophenol | < 1270 | ug/Kg | | 11/11/2020 16:55 |
| 2,4-Dinitrotoluene | < 317 | ug/Kg | | 11/11/2020 16:55 |
| 2,6-Dinitrotoluene | < 317 | ug/Kg | | 11/11/2020 16:55 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | East End | | |
| Lab Sample ID: | 205381-03 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|------------------------------|-------------|-------|------------------|
| 2-Chloronaphthalene | < 317 | ug/Kg | 11/11/2020 16:55 |
| 2-Chlorophenol | < 317 | ug/Kg | 11/11/2020 16:55 |
| 2-Methylnaphthalene | < 317 | ug/Kg | 11/11/2020 16:55 |
| 2-Methylphenol | < 317 | ug/Kg | 11/11/2020 16:55 |
| 2-Nitroaniline | < 317 | ug/Kg | 11/11/2020 16:55 |
| 2-Nitrophenol | < 317 | ug/Kg | 11/11/2020 16:55 |
| 3&4-Methylphenol | < 317 | ug/Kg | 11/11/2020 16:55 |
| 3,3'-Dichlorobenzidine | < 317 | ug/Kg | 11/11/2020 16:55 |
| 3-Nitroaniline | < 317 | ug/Kg | 11/11/2020 16:55 |
| 4,6-Dinitro-2-methylphenol | < 424 | ug/Kg | 11/11/2020 16:55 |
| 4-Bromophenyl phenyl ether | < 317 | ug/Kg | 11/11/2020 16:55 |
| 4-Chloro-3-methylphenol | < 317 | ug/Kg | 11/11/2020 16:55 |
| 4-Chloroaniline | < 317 | ug/Kg | 11/11/2020 16:55 |
| 4-Chlorophenyl phenyl ether | < 317 | ug/Kg | 11/11/2020 16:55 |
| 4-Nitroaniline | < 317 | ug/Kg | 11/11/2020 16:55 |
| 4-Nitrophenol | < 317 | ug/Kg | 11/11/2020 16:55 |
| Acenaphthene | 482 | ug/Kg | 11/11/2020 16:55 |
| Acenaphthylene | 484 | ug/Kg | 11/11/2020 16:55 |
| Acetophenone | < 317 | ug/Kg | 11/11/2020 16:55 |
| Anthracene | 1460 | ug/Kg | 11/11/2020 16:55 |
| Atrazine | < 317 | ug/Kg | 11/11/2020 16:55 |
| Benzaldehyde | < 317 | ug/Kg | 11/11/2020 16:55 |
| Benzo (a) anthracene | 3300 | ug/Kg | 11/11/2020 16:55 |
| Benzo (a) pyrene | 2680 | ug/Kg | 11/11/2020 16:55 |
| Benzo (b) fluoranthene | 2260 | ug/Kg | 11/11/2020 16:55 |
| Benzo (g,h,i) perylene | 1430 | ug/Kg | 11/11/2020 16:55 |
| Benzo (k) fluoranthene | 1830 | ug/Kg | 11/11/2020 16:55 |
| Bis (2-chloroethoxy) methane | < 317 | ug/Kg | 11/11/2020 16:55 |
| Bis (2-chloroethyl) ether | < 317 | ug/Kg | 11/11/2020 16:55 |
| Bis (2-ethylhexyl) phthalate | < 317 | ug/Kg | 11/11/2020 16:55 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | East End | Date Sampled: | 11/9/2020 |
| Lab Sample ID: | 205381-03 | Date Received: | 11/10/2020 |
| Matrix: | Soil | | |

| | | | |
|----------------------------|--------|-------|------------------|
| Butylbenzylphthalate | < 317 | ug/Kg | 11/11/2020 16:55 |
| Caprolactam | < 317 | ug/Kg | 11/11/2020 16:55 |
| Carbazole | 549 | ug/Kg | 11/11/2020 16:55 |
| Chrysene | 2830 | ug/Kg | 11/11/2020 16:55 |
| Dibenz (a,h) anthracene | 509 | ug/Kg | 11/11/2020 16:55 |
| Dibenzofuran | 366 | ug/Kg | 11/11/2020 16:55 |
| Diethyl phthalate | < 317 | ug/Kg | 11/11/2020 16:55 |
| Dimethyl phthalate | < 317 | ug/Kg | 11/11/2020 16:55 |
| Di-n-butyl phthalate | < 317 | ug/Kg | 11/11/2020 16:55 |
| Di-n-octylphthalate | < 317 | ug/Kg | 11/11/2020 16:55 |
| Fluoranthene | 7000 | ug/Kg | 11/11/2020 16:55 |
| Fluorene | 556 | ug/Kg | 11/11/2020 16:55 |
| Hexachlorobenzene | < 317 | ug/Kg | 11/11/2020 16:55 |
| Hexachlorobutadiene | < 317 | ug/Kg | 11/11/2020 16:55 |
| Hexachlorocyclopentadiene | < 1270 | ug/Kg | 11/11/2020 16:55 |
| Hexachloroethane | < 317 | ug/Kg | 11/11/2020 16:55 |
| Indeno (1,2,3-cd) pyrene | 1330 | ug/Kg | 11/11/2020 16:55 |
| Isophorone | < 317 | ug/Kg | 11/11/2020 16:55 |
| Naphthalene | < 317 | ug/Kg | 11/11/2020 16:55 |
| Nitrobenzene | < 317 | ug/Kg | 11/11/2020 16:55 |
| N-Nitroso-di-n-propylamine | < 317 | ug/Kg | 11/11/2020 16:55 |
| N-Nitrosodiphenylamine | < 317 | ug/Kg | 11/11/2020 16:55 |
| Pentachlorophenol | < 634 | ug/Kg | 11/11/2020 16:55 |
| Phenanthrene | 5560 | ug/Kg | 11/11/2020 16:55 |
| Phenol | < 317 | ug/Kg | 11/11/2020 16:55 |
| Pyrene | 5510 | ug/Kg | 11/11/2020 16:55 |



Lab Project ID: 205381

Client: **Reid Petroleum**
Project Reference: Zimmies Tire Service

Sample Identifier: East End
Lab Sample ID: 205381-03
Matrix: Soil
Date Sampled: 11/9/2020
Date Received: 11/10/2020

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|------------------|
| 2,4,6-Tribromophenol | 65.1 | 40.1 - 84.5 | | 11/11/2020 16:55 |
| 2-Fluorobiphenyl | 54.7 | 43.3 - 79.9 | | 11/11/2020 16:55 |
| 2-Fluorophenol | 51.9 | 42.4 - 75.9 | | 11/11/2020 16:55 |
| Nitrobenzene-d5 | 51.7 | 39.8 - 77.5 | | 11/11/2020 16:55 |
| Phenol-d5 | 49.3 | 43 - 78.8 | | 11/11/2020 16:55 |
| Terphenyl-d14 | 52.3 | 43.1 - 87.7 | | 11/11/2020 16:55 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 11/11/2020
Data File: B50644.D

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|------------------|
| 1,1,1-Trichloroethane | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,1,2,2-Tetrachloroethane | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,1,2-Trichloroethane | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,1-Dichloroethane | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,1-Dichloroethene | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,2,3-Trichlorobenzene | < 16.6 | ug/Kg | | 11/12/2020 20:46 |
| 1,2,4-Trichlorobenzene | < 16.6 | ug/Kg | | 11/12/2020 20:46 |
| 1,2-Dibromo-3-Chloropropane | < 33.1 | ug/Kg | | 11/12/2020 20:46 |
| 1,2-Dibromoethane | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,2-Dichlorobenzene | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,2-Dichloroethane | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,2-Dichloropropane | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,3-Dichlorobenzene | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,4-Dichlorobenzene | < 6.63 | ug/Kg | | 11/12/2020 20:46 |
| 1,4-Dioxane | < 66.3 | ug/Kg | | 11/12/2020 20:46 |
| 2-Butanone | < 33.1 | ug/Kg | | 11/12/2020 20:46 |
| 2-Hexanone | < 16.6 | ug/Kg | | 11/12/2020 20:46 |
| 4-Methyl-2-pentanone | < 16.6 | ug/Kg | | 11/12/2020 20:46 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum

Project Reference: Zimmies Tire Service

Sample Identifier: East End

Lab Sample ID: 205381-03

Date Sampled: 11/9/2020

Matrix: Soil

Date Received: 11/10/2020

| | | | |
|--------------------------|--------|-------|------------------|
| Acetone | < 33.1 | ug/Kg | 11/12/2020 20:46 |
| Benzene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Bromochloromethane | < 16.6 | ug/Kg | 11/12/2020 20:46 |
| Bromodichloromethane | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Bromoform | < 16.6 | ug/Kg | 11/12/2020 20:46 |
| Bromomethane | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Carbon disulfide | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Carbon Tetrachloride | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Chlorobenzene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Chloroethane | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Chloroform | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Chloromethane | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| cis-1,2-Dichloroethene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| cis-1,3-Dichloropropene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Cyclohexane | < 33.1 | ug/Kg | 11/12/2020 20:46 |
| Dibromochloromethane | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Dichlorodifluoromethane | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Ethylbenzene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Freon 113 | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Isopropylbenzene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| m,p-Xylene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Methyl acetate | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Methyl tert-butyl Ether | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Methylcyclohexane | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Methylene chloride | < 16.6 | ug/Kg | 11/12/2020 20:46 |
| o-Xylene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Styrene | < 16.6 | ug/Kg | 11/12/2020 20:46 |
| Tetrachloroethene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Toluene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| trans-1,2-Dichloroethene | < 6.63 | ug/Kg | 11/12/2020 20:46 |

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Page 24 of 43

Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | East End | | |
| Lab Sample ID: | 205381-03 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|---------------------------|--------|-------|------------------|
| trans-1,3-Dichloropropene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Trichloroethene | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Trichlorofluoromethane | < 6.63 | ug/Kg | 11/12/2020 20:46 |
| Vinyl chloride | < 6.63 | ug/Kg | 11/12/2020 20:46 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 85.2 | 61 - 146 | | 11/12/2020 20:46 |
| 4-Bromofluorobenzene | 76.3 | 48.8 - 138 | | 11/12/2020 20:46 |
| Pentafluorobenzene | 105 | 65.4 - 141 | | 11/12/2020 20:46 |
| Toluene-D8 | 97.4 | 62.8 - 133 | | 11/12/2020 20:46 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x74769.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.541 | mg/Kg | | 11/11/2020 |

Method Reference(s): EPA 9014
EPA 9010C
Preparation Date: 11/12/2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | West End | | |
| Lab Sample ID: | 205381-04 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

Flash Point

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------------|---------------|--------------|------------------|----------------------|
| Flash Point, Celsius | >70.0 | C | | 11/16/2020 |

Method Reference(s): EPA 1010A

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | 0.498 | mg/Kg | | 11/16/2020 12:12 |

Method Reference(s): EPA 7471B
Preparation Date: 11/13/2020
Data File: Hg201116D

RCRA Metals (ICP)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 6.27 | mg/Kg | | 11/13/2020 20:43 |
| Barium | 65.9 | mg/Kg | | 11/13/2020 20:43 |
| Cadmium | 2.30 | mg/Kg | D | 11/13/2020 20:43 |
| Chromium | 8.15 | mg/Kg | D | 11/13/2020 20:43 |
| Lead | 191 | mg/Kg | DM | 11/13/2020 20:43 |
| Selenium | < 1.07 | mg/Kg | | 11/13/2020 20:43 |
| Silver | < 0.536 | mg/Kg | | 11/13/2020 20:43 |

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/12/2020
Data File: 201113D

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0279 | mg/Kg | | 11/11/2020 15:03 |
| PCB-1221 | < 0.0279 | mg/Kg | | 11/11/2020 15:03 |
| PCB-1232 | < 0.0279 | mg/Kg | | 11/11/2020 15:03 |
| PCB-1242 | < 0.0279 | mg/Kg | | 11/11/2020 15:03 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | West End | | |
| Lab Sample ID: | 205381-04 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|----------|--------------|-------|------------------|
| PCB-1248 | < 0.0279 | mg/Kg | 11/11/2020 15:03 |
| PCB-1254 | < 0.0279 | mg/Kg | 11/11/2020 15:03 |
| PCB-1260 | 0.131 | mg/Kg | 11/11/2020 15:03 |
| PCB-1262 | < 0.0279 | mg/Kg | 11/11/2020 15:03 |
| PCB-1268 | < 0.0279 | mg/Kg | 11/11/2020 15:03 |

| | | | | |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| Tetrachloro-m-xylene | 51.0 | 15.1 - 91 | | 11/11/2020 15:03 |

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 11/11/2020

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|--------------|------------------|----------------------|
| 4,4-DDD | 2.82 | ug/Kg | | 11/11/2020 16:13 |
| 4,4-DDE | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| 4,4-DDT | 11.4 | ug/Kg | | 11/11/2020 16:13 |
| Aldrin | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| alpha-BHC | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| beta-BHC | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| cis-Chlordane | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| delta-BHC | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| Dieldrin | 3.97 | ug/Kg | P | 11/11/2020 16:13 |
| Endosulfan I | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| Endosulfan II | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| Endosulfan Sulfate | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| Endrin | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| Endrin Aldehyde | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| Endrin Ketone | 3.04 | ug/Kg | | 11/11/2020 16:13 |
| gamma-BHC (Lindane) | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| Heptachlor | < 2.79 | ug/Kg | | 11/11/2020 16:13 |
| Heptachlor Epoxide | < 2.79 | ug/Kg | | 11/11/2020 16:13 |



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | West End | | |
| Lab Sample ID: | 205381-04 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|-----------------|--------|-------|------------------|
| Methoxychlor | < 2.79 | ug/Kg | 11/11/2020 16:13 |
| Toxaphene | < 27.9 | ug/Kg | 11/11/2020 16:13 |
| trans-Chlordane | < 2.79 | ug/Kg | 11/11/2020 16:13 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|--------------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl (1) | 43.7 | 16.8 - 119 | | 11/11/2020 16:13 |
| Tetrachloro-m-xylene (1) | 45.5 | 20.8 - 112 | | 11/11/2020 16:13 |

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 11/11/2020

pH

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| pH | 8.18 @ 22.9 C | S.U. | | 11/11/2020 15:17 |

Method Reference(s): EPA 9045D

Semi-Volatile Organics (Acid/Base Neutrals)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|------------------------------|---------------|--------------|------------------|----------------------|
| 1,1-Biphenyl | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 1,2,4,5-Tetrachlorobenzene | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 1,2,4-Trichlorobenzene | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 1,2-Dichlorobenzene | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 1,3-Dichlorobenzene | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 1,4-Dichlorobenzene | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 2,2-Oxybis (1-chloropropane) | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 2,3,4,6-Tetrachlorophenol | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 2,4,5-Trichlorophenol | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 2,4,6-Trichlorophenol | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 2,4-Dichlorophenol | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 2,4-Dimethylphenol | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 2,4-Dinitrophenol | < 5960 | ug/Kg | | 11/12/2020 16:47 |
| 2,4-Dinitrotoluene | < 1490 | ug/Kg | | 11/12/2020 16:47 |
| 2,6-Dinitrotoluene | < 1490 | ug/Kg | | 11/12/2020 16:47 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | West End | | |
| Lab Sample ID: | 205381-04 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|------------------------------|-------------|-------|------------------|
| 2-Chloronaphthalene | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 2-Chlorophenol | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 2-Methylnaphthalene | 2010 | ug/Kg | 11/12/2020 16:47 |
| 2-Methylphenol | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 2-Nitroaniline | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 2-Nitrophenol | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 3&4-Methylphenol | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 3,3'-Dichlorobenzidine | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 3-Nitroaniline | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 4,6-Dinitro-2-methylphenol | < 1990 | ug/Kg | 11/12/2020 16:47 |
| 4-Bromophenyl phenyl ether | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 4-Chloro-3-methylphenol | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 4-Chloroaniline | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 4-Chlorophenyl phenyl ether | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 4-Nitroaniline | < 1490 | ug/Kg | 11/12/2020 16:47 |
| 4-Nitrophenol | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Acenaphthene | 2850 | ug/Kg | 11/12/2020 16:47 |
| Acenaphthylene | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Acetophenone | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Anthracene | 3990 | ug/Kg | 11/12/2020 16:47 |
| Atrazine | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Benzaldehyde | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Benzo (a) anthracene | 7720 | ug/Kg | 11/12/2020 16:47 |
| Benzo (a) pyrene | 5800 | ug/Kg | 11/12/2020 16:47 |
| Benzo (b) fluoranthene | 4240 | ug/Kg | 11/12/2020 16:47 |
| Benzo (g,h,i) perylene | 2560 | ug/Kg | 11/12/2020 16:47 |
| Benzo (k) fluoranthene | 3730 | ug/Kg | 11/12/2020 16:47 |
| Bis (2-chloroethoxy) methane | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Bis (2-chloroethyl) ether | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Bis (2-ethylhexyl) phthalate | < 1490 | ug/Kg | 11/12/2020 16:47 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | West End | | |
| Lab Sample ID: | 205381-04 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|----------------------------|--------------|-------|------------------|
| Butylbenzylphthalate | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Caprolactam | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Carbazole | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Chrysene | 6890 | ug/Kg | 11/12/2020 16:47 |
| Dibenz (a,h) anthracene | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Dibenzofuran | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Diethyl phthalate | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Dimethyl phthalate | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Di-n-butyl phthalate | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Di-n-octylphthalate | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Fluoranthene | 13400 | ug/Kg | 11/12/2020 16:47 |
| Fluorene | 2090 | ug/Kg | 11/12/2020 16:47 |
| Hexachlorobenzene | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Hexachlorobutadiene | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Hexachlorocyclopentadiene | < 5960 | ug/Kg | 11/12/2020 16:47 |
| Hexachloroethane | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Indeno (1,2,3-cd) pyrene | 2380 | ug/Kg | 11/12/2020 16:47 |
| Isophorone | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Naphthalene | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Nitrobenzene | < 1490 | ug/Kg | 11/12/2020 16:47 |
| N-Nitroso-di-n-propylamine | < 1490 | ug/Kg | 11/12/2020 16:47 |
| N-Nitrosodiphenylamine | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Pentachlorophenol | < 2980 | ug/Kg | 11/12/2020 16:47 |
| Phenanthrene | 16600 | ug/Kg | 11/12/2020 16:47 |
| Phenol | < 1490 | ug/Kg | 11/12/2020 16:47 |
| Pyrene | 13500 | ug/Kg | 11/12/2020 16:47 |



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | West End | Date Sampled: | 11/9/2020 |
| Lab Sample ID: | 205381-04 | Date Received: | 11/10/2020 |
| Matrix: | Soil | | |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| 2,4,6-Tribromophenol | 63.6 | 40.1 - 84.5 | | 11/12/2020 16:47 |
| 2-Fluorobiphenyl | 61.3 | 43.3 - 79.9 | | 11/12/2020 16:47 |
| 2-Fluorophenol | 54.6 | 42.4 - 75.9 | | 11/12/2020 16:47 |
| Nitrobenzene-d5 | 51.1 | 39.8 - 77.5 | | 11/12/2020 16:47 |
| Phenol-d5 | 50.1 | 43 - 78.8 | | 11/12/2020 16:47 |
| Terphenyl-d14 | 57.3 | 43.1 - 87.7 | | 11/12/2020 16:47 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 11/11/2020
Data File: B50670.D

Volatile Organics

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,1,2,2-Tetrachloroethane | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,1,2-Trichloroethane | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,1-Dichloroethane | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,1-Dichloroethene | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,2,3-Trichlorobenzene | < 15.6 | ug/Kg | | 11/12/2020 21:11 |
| 1,2,4-Trichlorobenzene | < 15.6 | ug/Kg | | 11/12/2020 21:11 |
| 1,2-Dibromo-3-Chloropropane | < 31.2 | ug/Kg | | 11/12/2020 21:11 |
| 1,2-Dibromoethane | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,2-Dichlorobenzene | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,2-Dichloroethane | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,2-Dichloropropane | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,3-Dichlorobenzene | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,4-Dichlorobenzene | < 6.23 | ug/Kg | | 11/12/2020 21:11 |
| 1,4-Dioxane | < 62.3 | ug/Kg | | 11/12/2020 21:11 |
| 2-Butanone | < 31.2 | ug/Kg | | 11/12/2020 21:11 |
| 2-Hexanone | < 15.6 | ug/Kg | | 11/12/2020 21:11 |
| 4-Methyl-2-pentanone | < 15.6 | ug/Kg | | 11/12/2020 21:11 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | West End | | |
| Lab Sample ID: | 205381-04 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|--------------------------|-------------|-------|------------------|
| Acetone | < 31.2 | ug/Kg | 11/12/2020 21:11 |
| Benzene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Bromochloromethane | < 15.6 | ug/Kg | 11/12/2020 21:11 |
| Bromodichloromethane | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Bromoform | < 15.6 | ug/Kg | 11/12/2020 21:11 |
| Bromomethane | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Carbon disulfide | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Carbon Tetrachloride | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Chlorobenzene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Chloroethane | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Chloroform | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Chloromethane | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| cis-1,2-Dichloroethene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| cis-1,3-Dichloropropene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Cyclohexane | < 31.2 | ug/Kg | 11/12/2020 21:11 |
| Dibromochloromethane | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Dichlorodifluoromethane | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Ethylbenzene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Freon 113 | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Isopropylbenzene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| m,p-Xylene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Methyl acetate | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Methyl tert-butyl Ether | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Methylcyclohexane | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Methylene chloride | 17.8 | ug/Kg | 11/12/2020 21:11 |
| o-Xylene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Styrene | < 15.6 | ug/Kg | 11/12/2020 21:11 |
| Tetrachloroethene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Toluene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| trans-1,2-Dichloroethene | < 6.23 | ug/Kg | 11/12/2020 21:11 |

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Report Prepared Tuesday, November 17, 2020



Lab Project ID: 205381

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

| | | | |
|---------------------------|-----------|-----------------------|------------|
| Sample Identifier: | West End | | |
| Lab Sample ID: | 205381-04 | Date Sampled: | 11/9/2020 |
| Matrix: | Soil | Date Received: | 11/10/2020 |

| | | | |
|---------------------------|--------|-------|------------------|
| trans-1,3-Dichloropropene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Trichloroethene | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Trichlorofluoromethane | < 6.23 | ug/Kg | 11/12/2020 21:11 |
| Vinyl chloride | < 6.23 | ug/Kg | 11/12/2020 21:11 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 81.0 | 61 - 146 | | 11/12/2020 21:11 |
| 4-Bromofluorobenzene | 77.7 | 48.8 - 138 | | 11/12/2020 21:11 |
| Pentafluorobenzene | 107 | 65.4 - 141 | | 11/12/2020 21:11 |
| Toluene-D8 | 98.5 | 62.8 - 133 | | 11/12/2020 21:11 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x74770.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.531 | mg/Kg | | 11/11/2020 |

Method Reference(s): EPA 9014
EPA 9010C
Preparation Date: 11/12/2020



Method Blank Report

Client: Reid Petroleum
Project Reference: Zimmies Tire Service
Lab Project ID: 205381
Matrix: Soil

RCRA Metals (ICP)

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | <0.459 | mg/Kg | | 11/13/2020 20:06 |
| Barium | <4.59 | mg/Kg | | 11/13/2020 20:06 |
| Cadmium | <0.229 | mg/Kg | | 11/13/2020 20:06 |
| Chromium | <0.459 | mg/Kg | | 11/13/2020 20:06 |
| Lead | <0.459 | mg/Kg | | 11/13/2020 20:06 |
| Selenium | <0.917 | mg/Kg | | 11/13/2020 20:06 |
| Silver | <0.459 | mg/Kg | | 11/13/2020 20:06 |

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/12/2020
Data File: 201113D
QC Batch ID: QC201112soil2
QC Number: Blk 1



QC Report for Laboratory Control Sample and Control Sample Duplicate

Client: Reid Petroleum
Project Reference: Zimmies Tire Service
Lab Project ID: 205381
Matrix: Soil

RCRA Metals (ICP)

| <u>Analyte</u> | <u>LCS</u> <u>Added</u> | <u>LCSD</u> <u>Added</u> | <u>Spike</u> <u>Units</u> | <u>LCS</u> <u>Result</u> | <u>LCSD</u> <u>Result</u> | <u>LCS %</u> <u>Recovery</u> | <u>LCSD %</u> <u>Recovery</u> | <u>% Rec</u> <u>Limits</u> | <u>LCS</u> <u>Outliers</u> | <u>LCSD</u> <u>Outliers</u> | <u>Relative %</u> <u>Difference</u> | <u>RPD</u> <u>Limit</u> | <u>RPD</u> <u>Outliers</u> | <u>Date</u> <u>Analyzed</u> |
|----------------|----------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|---------------------------------|----------------------------------|-------------------------------|-------------------------------|--------------------------------|--|----------------------------|-------------------------------|--------------------------------|
| Arsenic | 124 | 123 | mg/Kg | 119 | 121 | 96.5 | 98.6 | 80 - 120 | | | 2.24 | 20 | | 11/13/2020 |
| Barium | 124 | 123 | mg/Kg | 130 | 131 | 105 | 107 | 80 - 120 | | | 1.99 | 20 | | 11/13/2020 |
| Cadmium | 49.5 | 49.0 | mg/Kg | 52.4 | 52.2 | 106 | 107 | 80 - 120 | | | 0.653 | 20 | | 11/13/2020 |
| Chromium | 124 | 123 | mg/Kg | 123 | 125 | 99.8 | 102 | 80 - 120 | | | 1.84 | 20 | | 11/13/2020 |
| Lead | 124 | 123 | mg/Kg | 128 | 130 | 104 | 106 | 80 - 120 | | | 2.14 | 20 | | 11/13/2020 |
| Selenium | 124 | 123 | mg/Kg | 114 | 115 | 91.8 | 93.6 | 80 - 120 | | | 1.95 | 20 | | 11/13/2020 |
| Silver | 12.4 | 12.3 | mg/Kg | 11.9 | 12.0 | 96.2 | 97.9 | 80 - 120 | | | 1.73 | 20 | | 11/13/2020 |

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/12/2020
Data File: 201113D
QC Number: 1
QC Batch ID: QC201112soil2

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QC Report for Sample Spike and Sample Duplicate

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

Lab Project ID: 205381

Lab Sample ID: 205381-04
Sample Identifier: West End
Matrix: Soil

Date Sampled: 11/9/2020
Date Received: 11/10/2020

RCRA Metals (ICP)

| <u>Analyte</u> | <u>Sample Results</u> | <u>Result Units</u> | <u>Spike Added</u> | <u>Spike Result</u> | <u>Spike % Recovery</u> | <u>% Rec Limits</u> | <u>Spike Outliers</u> | <u>Duplicate Result</u> | <u>Relative % Difference</u> | <u>RPD Limit</u> | <u>RPD Outliers</u> | <u>Date Analyzed</u> |
|----------------|-----------------------|---------------------|--------------------|---------------------|-------------------------|---------------------|-----------------------|-------------------------|------------------------------|------------------|---------------------|----------------------|
| Arsenic | 6.27 | mg/Kg | 131 | 111 | 79.3 | 75 - 125 | | 7.39 | 16.3 | 20 | | 11/13/2020 |
| Barium | 65.9 | mg/Kg | 131 | 224 | 120 | 75 - 125 | | 66.7 | 1.20 | 20 | | 11/13/2020 |
| Cadmium | 2.30 | mg/Kg | 52.6 | 42.9 | 77.2 | 75 - 125 | | 4.27 | 59.9 | 20 | * | 11/13/2020 |
| Chromium | 8.15 | mg/Kg | 131 | 112 | 79.4 | 75 - 125 | | 10.2 | 22.0 | 20 | * | 11/13/2020 |
| Lead | 191 | mg/Kg | 131 | 473 | 214 | 75 - 125 | * | 235 | 20.4 | 20 | * | 11/13/2020 |
| Selenium | < 1.07 | mg/Kg | 131 | 101 | 76.7 | 75 - 125 | | <1.03 | NC | 20 | | 11/13/2020 |
| Silver | < 0.536 | mg/Kg | 13.1 | 11.9 | 90.7 | 75 - 125 | | <0.516 | NC | 20 | | 11/13/2020 |

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 11/12/2020
201113D
QC Batch ID: QC201112soil2

NC = Not Calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added.

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Report Prepared Tuesday, November 17, 2020



Method Blank Report

Client: Reid Petroleum
Project Reference: Zimmies Tire Service
Lab Project ID: 205381
Matrix: Soil

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |
| PCB-1221 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |
| PCB-1232 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |
| PCB-1242 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |
| PCB-1248 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |
| PCB-1254 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |
| PCB-1260 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |
| PCB-1262 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |
| PCB-1268 | <0.0272 | mg/Kg | | 11/11/2020 15:27 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Tetrachloro-m-xylene | 64.1 | 15.1 - 91 | | 11/11/2020 15:27 |
| Method Reference(s): | EPA 8082A | | | |
| | EPA 3546 | | | |
| Preparation Date: | 11/11/2020 | | | |
| QC Batch ID: | QC201111PCBS | | | |
| QC Number: | Blk 1 | | | |



QC Report for Laboratory Control Sample

Client: Reid Petroleum
Project Reference: Zimmies Tire Service
Lab Project ID: 205381
Matrix: Soil

PCBs

| <u>Analyte</u> | <u>Spike Added</u> | <u>Spike Units</u> | <u>LCS Result</u> | <u>LCS % Recovery</u> | <u>% Rec Limits</u> | <u>LCS Outliers</u> | <u>Date Analyzed</u> |
|---|--------------------|--------------------|-------------------|-----------------------|---------------------|---------------------|----------------------|
| PCB-1016/1260 | 0.133 | mg/Kg | 0.0771 | 58.0 | 10 - 88.1 | | 11/11/2020 |
| Method Reference(s): EPA 8082A EPA 3546 | | | | | | | |
| Preparation Date: 11/11/2020 | | | | | | | |
| QC Number: LCS 1 | | | | | | | |
| QC Batch ID: QC201111PCBS | | | | | | | |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

QC Report for Matrix Spike and Matrix Spike Duplicate

Client: Reid Petroleum
Project Reference: Zimmies Tire Service

Lab Project ID: 205381

Lab Sample ID: 205381-02
Sample Identifier: South End
Matrix: Soil

Date Sampled: 11/9/2020
Date Received: 11/10/2020
Date Analyzed: 11/11/2020

PCBs

| <u>Analyte</u> | <u>Sample</u> | <u>Result</u> | <u>MS</u> | <u>MS</u> | <u>MS %</u> | <u>MSD</u> | <u>MSD</u> | <u>MSD %</u> | <u>% Rec.</u> | <u>MS</u> | <u>MSD</u> | <u>Relative</u> | <u>RPD</u> | <u>RPD</u> |
|-----------------------------|---------------|-----------------------|--------------|---------------|-----------------|--------------|---------------|-----------------|---------------|----------------|----------------|-----------------|--------------|----------------|
| | <u>Result</u> | <u>Units</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Limits</u> | <u>Outlier</u> | <u>Outlier</u> | <u>% Diff.</u> | <u>Limit</u> | <u>Outlier</u> |
| PCB-1016/1260 | < 0.0307 | mg/Kg | 0.141 | 0.159 | 112 | 0.153 | 0.133 | 87.2 | 10 - 88.1 | * | | 25.0 | 77.1 | |
| Method Reference(s): | | EPA 8082A EPA 3546 | | | | | | | | | | | | |
| Preparation Date: | | 11/11/2020 | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | |
| QC Batch ID: | | QC201111PCBS | | | | | | | | | | | | |

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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Report Prepared Tuesday, November 17, 2020

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, November 17, 2020

10/2



CHAIN OF CUSTODY

PROJECT REFERENCE
Zimmies Tire Service

| | | | | | |
|---|--|--------------------|--|---------------------------|--|
| REPORT TO: | | INVOICE TO: | | LAB PROJECT ID | |
| CLIENT: Reid Petroleum Corp. | | CLIENT: Same | | 205381 | |
| ADDRESS: 100 W. Genesee St. | | ADDRESS: | | Quotation #: | |
| CITY: Lockport STATE: NY ZIP: 14095 | | CITY: STATE: ZIP: | | Email: | |
| PHONE: 716-512-4223 | | PHONE: | | Jmaneti@Reidpetroleum.com | |
| ATTN: | | ATTN: | | | |
| Matrix Codes: AQ - Aqueous Liquid WA - Water DW - Drinking Water SO - Soil SD - Solid WP - Wipe OL - Oil NQ - Non-Aqueous Liquid WG - Groundwater WW - Wastewater SL - Sludge PT - Paint CK - Caulk AR - Air | | | | | |

| REQUESTED ANALYSIS | | | | | | | | | | | | | | | | |
|--------------------|----------------|-----------|------|-------------------|--------|------------|----|------------|-----------|------------|------------|-------|-------------|---------|---------------------------------|----------------------------|
| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRAB | SAMPLE IDENTIFIER | MATRIX | CONTAINERS | PH | Flashpoint | TCL VOC's | TCL SVOC's | Pesticides | PCB's | RCRA Metals | Cyanide | REMARKS | PARADIGM LAB SAMPLE NUMBER |
| 11/9/2020 | 10:00 AM | | X | North End | SO | 1 | X | X | X | X | X | X | X | X | | 01 |
| ↓ | ↓ | | X | South End | ↓ | 1 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 02 |
| | | | X | East End | | 1 | | | | | | | | | | 03 |
| | | | X | West End | | 1 | | | | | | | | | | 04 |
| ↓ | ↓ | | X | Bottom Sample | ↓ | 1 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |
| | | | | | | | | | | | | | | | Did not receive bottom sample | |
| | | | | | | | | | | | | | | | Per Brian, samples will need at | |
| | | | | | | | | | | | | | | | later date, now 11/10/2020 | |
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| Turnaround Time | Report Supplements |
|---|---|
| Availability contingent upon lab approval; additional fees may apply. | |
| Standard 5 day <input checked="" type="checkbox"/> | None Required <input type="checkbox"/> None Required <input type="checkbox"/> |
| 10 day <input type="checkbox"/> | Batch QC <input type="checkbox"/> Basic EDD <input type="checkbox"/> |
| Rush 3 day <input type="checkbox"/> | Category A <input type="checkbox"/> NYSDEC EDD <input type="checkbox"/> |
| Rush 2 day <input type="checkbox"/> | Category B <input type="checkbox"/> |
| Rush 1 day <input type="checkbox"/> | |
| Date Needed _____ | Other <input type="checkbox"/> Other EDD <input type="checkbox"/> |
| please indicate date needed: | please indicate package needed: please indicate EDD needed: |

Sampled By: Joshua Mue Date/Time: 11/10/2020 9:15 AM
 Relinquished By: Joshua Mue Date/Time: 11/10/2020 9:15 AM
 Received By: Brian Zisch Date/Time: 11/10/2020 9:15
 Received @ Lab By: Molly Rail Date/Time: 11/10/2020 1630

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

2082



Chain of Custody Supplement

Client: Reid Petroleum Completed by: Molly Kail
 Lab Project ID: 205381 Date: 11/10/2020

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

| NELAC compliance with the sample condition requirements upon receipt | | | |
|--|---|--|---|
| Condition | Yes | No | N/A |
| Container Type | <input type="checkbox"/> | <input checked="" type="checkbox"/> 5035 | <input type="checkbox"/> |
| Comments | <u>all samples rec'd in plastic Bag, transferred to 902 glass jar</u> | | |
| Transferred to method-compliant container | <input checked="" type="checkbox"/> ps 1063 | <input type="checkbox"/> | <input type="checkbox"/> |
| Headspace (<1 mL) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Preservation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Holding Time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |
| Temperature | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> met |
| Comments | <u>5°C in cool</u> | | |
| Compliant Sample Quantity/Type | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |