



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 2407G54

**Report Created for:** Yerba Buena Engineering

1340 Egbert Ave  
San Francisco, CA 94124

**Project Contact:** Miguel Galarza

**Project P.O.:** 22-033

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**Project Location:** San Francisco

**Project Received:** 07/26/2024

Analytical Report reviewed & approved for release on 07/30/2024 by:

Privacy - 7927.700 (formerly 6254(c))  
and Section 7927.705 (formerly  
6254(k))

Jena Alfaro

Project Manager

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## Glossary of Terms & Qualifier Definitions

**Client:** Yerba Buena Engineering

**WorkOrder:** 2407G54

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle Triage Ph 2

### Glossary Abbreviation

|              |                                                                                                        |
|--------------|--------------------------------------------------------------------------------------------------------|
| %D           | Serial Dilution Percent Difference                                                                     |
| 95% Interval | 95% Confident Interval                                                                                 |
| CCV          | Continuing Calibration Verification.                                                                   |
| CCV REC (%)  | % recovery of Continuing Calibration Verification.                                                     |
| CPT          | Consumer Product Testing not NELAP Accredited                                                          |
| DF           | Dilution Factor                                                                                        |
| DI WET       | (DISTLC) Waste Extraction Test using DI water                                                          |
| DISS         | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)                             |
| DLT          | Dilution Test (Serial Dilution)                                                                        |
| DUP          | Duplicate                                                                                              |
| EDL          | Estimated Detection Limit                                                                              |
| ERS          | External reference sample. Second source calibration verification.                                     |
| ITEF         | International Toxicity Equivalence Factor                                                              |
| LCS          | Laboratory Control Sample                                                                              |
| LCS2         | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL          | Lowest Quantitation Level                                                                              |
| MB           | Method Blank                                                                                           |
| MB % Rec     | % Recovery of Surrogate in Method Blank, if applicable                                                 |
| MDL          | Method Detection Limit <sup>1</sup>                                                                    |
| ML           | Minimum Level of Quantitation                                                                          |
| MS           | Matrix Spike                                                                                           |
| MSD          | Matrix Spike Duplicate                                                                                 |
| NA           | Not Applicable                                                                                         |
| ND           | Not detected at or above the indicated MDL or RL                                                       |
| NR           | Data Not Reported due to matrix interference or insufficient sample amount.                            |
| PDS          | Post Digestion Spike                                                                                   |
| PF           | Prep Factor                                                                                            |
| RD           | Relative Difference                                                                                    |
| RL           | Reporting Limit <sup>2</sup>                                                                           |
| RPD          | Relative Percent Difference                                                                            |
| RRT          | Relative Retention Time                                                                                |
| RSD          | Relative Standard Deviation                                                                            |
| SNR          | Surrogate is diluted out of the calibration range                                                      |
| SPK Val      | Spike Value                                                                                            |

<sup>1</sup> MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

<sup>2</sup> RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



## Glossary of Terms & Qualifier Definitions

**Client:** Yerba Buena Engineering

**WorkOrder:** 2407G54

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle Triage Ph 2

|            |                                                                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| SPKRef Val | Spike Reference Value                                                                                                                              |
| SPLP       | Synthetic Precipitation Leachate Procedure                                                                                                         |
| ST         | Sorbent Tube                                                                                                                                       |
| TCLP       | Toxicity Characteristic Leachate Procedure                                                                                                         |
| TEQ        | Toxicity Equivalents                                                                                                                               |
| TNTC       | "Too Numerous to Count," greater than 250 colonies observed on the plate.                                                                          |
| TZA        | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration)                                                                                      |

### Analytical Qualifiers

|    |                                                                                                           |
|----|-----------------------------------------------------------------------------------------------------------|
| J  | Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value. |
| S  | Surrogate recovery outside accepted recovery limits.                                                      |
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.         |
| a4 | Reporting limits raised due to the sample's matrix prohibiting a full volume extraction.                  |
| c1 | Surrogate recovery outside of the control limits due to the dilution of the sample.                       |
| e2 | Diesel range compounds are detected; no recognizable pattern                                              |
| e7 | Oil range compounds are detected.                                                                         |
| h2 | Silica-gel (EPA 3630) cleanup                                                                             |

### Quality Control Qualifiers

|    |                                                                                                                                       |
|----|---------------------------------------------------------------------------------------------------------------------------------------|
| F1 | MS/MSD recovery and/or RPD is out of acceptance criteria.                                                                             |
| F2 | LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.                                                                       |
| F5 | LCS/LCSD recovery is outside of acceptance limits; however, the data is acceptable based upon the TNI allowable marginal exceedances. |



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/26/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8081B  
**Unit:** mg/kg

### Organochlorine Pesticides

| Client ID                 | Lab ID        | Matrix | Date Collected   |           | Instrument           | Batch ID |
|---------------------------|---------------|--------|------------------|-----------|----------------------|----------|
| Stock Pile                | 2407G54-001A  | Soil   | 07/26/2024 11:00 |           | GC23 07262432.d      | 298525   |
| <u>Analytes</u>           | <u>Result</u> |        | <u>RL</u>        | <u>DF</u> | <u>Date Analyzed</u> |          |
| Aldrin                    | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| a-BHC                     | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| b-BHC                     | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| d-BHC                     | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| g-BHC                     | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Chlordane (Technical)     | ND            |        | 2.5              | 100       | 07/26/2024 22:13     |          |
| a-Chlordane               | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| g-Chlordane               | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| p,p-DDD                   | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| p,p-DDE                   | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| p,p-DDT                   | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Dieldrin                  | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Endosulfan I              | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Endosulfan II             | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Endosulfan sulfate        | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Endrin                    | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Endrin aldehyde           | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Endrin ketone             | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Heptachlor                | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Heptachlor epoxide        | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Hexachlorobenzene         | ND            |        | 1.0              | 100       | 07/26/2024 22:13     |          |
| Hexachlorocyclopentadiene | ND            |        | 2.0              | 100       | 07/26/2024 22:13     |          |
| Methoxychlor              | ND            |        | 0.10             | 100       | 07/26/2024 22:13     |          |
| Toxaphene                 | ND            |        | 20               | 100       | 07/26/2024 22:13     |          |

|                       |                |                                   |               |                  |
|-----------------------|----------------|-----------------------------------|---------------|------------------|
| <u>Surrogates</u>     | <u>REC (%)</u> | <u>Qualifiers</u>                 | <u>Limits</u> |                  |
| Decachlorobiphenyl    | NR             | S                                 | 60-130        | 07/26/2024 22:13 |
| <u>Analyst(s):</u> CN |                | <u>Analytical Comments:</u> a3,c1 |               |                  |



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/26/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260D  
**Unit:** mg/kg

### Volatile Organics

| Client ID                     | Lab ID        | Matrix | Date Collected   |           | Instrument           | Batch ID |
|-------------------------------|---------------|--------|------------------|-----------|----------------------|----------|
| Stock Pile                    | 2407G54-001A  | Soil   | 07/26/2024 11:00 |           | GC49 07292410.D      | 298497   |
| <u>Analytes</u>               | <u>Result</u> |        | <u>RL</u>        | <u>DE</u> | <u>Date Analyzed</u> |          |
| Acetone                       | ND            |        | 0.20             | 1         | 07/29/2024 13:50     |          |
| tert-Amyl methyl ether (TAME) | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Benzene                       | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Bromobenzene                  | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Bromochloromethane            | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Bromodichloromethane          | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Bromoform                     | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Bromomethane                  | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 2-Butanone (MEK)              | ND            |        | 0.10             | 1         | 07/29/2024 13:50     |          |
| t-Butyl alcohol (TBA)         | ND            |        | 0.050            | 1         | 07/29/2024 13:50     |          |
| n-Butyl benzene               | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| sec-Butyl benzene             | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| tert-Butyl benzene            | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Carbon Disulfide              | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Carbon Tetrachloride          | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Chlorobenzene                 | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Chloroethane                  | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Chloroform                    | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Chloromethane                 | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 2-Chlorotoluene               | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 4-Chlorotoluene               | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Dibromochloromethane          | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 1,2-Dibromo-3-chloropropane   | ND            |        | 0.00050          | 1         | 07/29/2024 13:50     |          |
| 1,2-Dibromoethane (EDB)       | ND            |        | 0.00025          | 1         | 07/29/2024 13:50     |          |
| Dibromomethane                | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 1,2-Dichlorobenzene           | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 1,3-Dichlorobenzene           | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 1,4-Dichlorobenzene           | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| Dichlorodifluoromethane       | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 1,1-Dichloroethane            | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 1,2-Dichloroethane (1,2-DCA)  | ND            |        | 0.00010          | 1         | 07/29/2024 13:50     |          |
| 1,1-Dichloroethene            | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| cis-1,2-Dichloroethene        | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| trans-1,2-Dichloroethene      | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 1,2-Dichloropropane           | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |
| 1,3-Dichloropropane           | ND            |        | 0.0050           | 1         | 07/29/2024 13:50     |          |

(Cont.)



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/26/2024  
**Project:** 22-033; 22-033 SFDPAW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260D  
**Unit:** mg/kg

### Volatile Organics

| Client ID  | Lab ID       | Matrix | Date Collected   | Instrument      | Batch ID |
|------------|--------------|--------|------------------|-----------------|----------|
| Stock Pile | 2407G54-001A | Soil   | 07/26/2024 11:00 | GC49 07292410.D | 298497   |

| Analytes                      | Result | RL      | DE | Date Analyzed    |
|-------------------------------|--------|---------|----|------------------|
| 2,2-Dichloropropane           | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,1-Dichloropropene           | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| cis-1,3-Dichloropropene       | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| trans-1,3-Dichloropropene     | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Diisopropyl ether (DIPE)      | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Ethylbenzene                  | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Ethyl tert-butyl ether (ETBE) | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Freon 113                     | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Hexachlorobutadiene           | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Hexachloroethane              | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 2-Hexanone                    | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Isopropylbenzene              | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 4-Isopropyl toluene           | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Methyl-t-butyl ether (MTBE)   | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Methylene chloride            | ND     | 0.020   | 1  | 07/29/2024 13:50 |
| 4-Methyl-2-pentanone (MIBK)   | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Naphthalene                   | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| n-Propyl benzene              | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Styrene                       | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,1,1,2-Tetrachloroethane     | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,1,2,2-Tetrachloroethane     | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Tetrachloroethene             | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Toluene                       | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,2,3-Trichlorobenzene        | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,2,4-Trichlorobenzene        | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,1,1-Trichloroethane         | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,1,2-Trichloroethane         | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Trichloroethene               | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Trichlorofluoromethane        | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,2,3-Trichloropropane        | ND     | 0.00025 | 1  | 07/29/2024 13:50 |
| 1,2,4-Trimethylbenzene        | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| 1,3,5-Trimethylbenzene        | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Vinyl Chloride                | ND     | 0.00025 | 1  | 07/29/2024 13:50 |
| m,p-Xylene                    | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| o-Xylene                      | ND     | 0.0050  | 1  | 07/29/2024 13:50 |
| Xylenes, Total                | ND     | 0.0050  | 1  | 07/29/2024 13:50 |

(Cont.)



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/26/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW5030B  
**Analytical Method:** SW8260D  
**Unit:** mg/kg

### Volatile Organics

| Client ID  | Lab ID       | Matrix | Date Collected   | Instrument      | Batch ID |
|------------|--------------|--------|------------------|-----------------|----------|
| Stock Pile | 2407G54-001A | Soil   | 07/26/2024 11:00 | GC49 07292410.D | 298497   |

|                 |               |           |           |                      |
|-----------------|---------------|-----------|-----------|----------------------|
| <u>Analytes</u> | <u>Result</u> | <u>RL</u> | <u>DE</u> | <u>Date Analyzed</u> |
|-----------------|---------------|-----------|-----------|----------------------|

| <u>Surrogates</u>    | <u>REC (%)</u> | <u>Limits</u> |                  |
|----------------------|----------------|---------------|------------------|
| Dibromofluoromethane | 93             | 70-140        | 07/29/2024 13:50 |
| Toluene-d8           | 106            | 70-140        | 07/29/2024 13:50 |
| 4-BFB                | 107            | 70-140        | 07/29/2024 13:50 |
| Benzene-d6           | 90             | 50-140        | 07/29/2024 13:50 |
| Ethylbenzene-d10     | 101            | 50-140        | 07/29/2024 13:50 |
| 1,2-DCB-d4           | 72             | 40-140        | 07/29/2024 13:50 |

Analyst(s): TW



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/29/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270E  
**Unit:** mg/Kg

### Semi-Volatile Organics

| Client ID                     | Lab ID        | Matrix | Date Collected   |           | Instrument           | Batch ID |
|-------------------------------|---------------|--------|------------------|-----------|----------------------|----------|
| Stock Pile                    | 2407G54-001A  | Soil   | 07/26/2024 11:00 |           | GC47 07292415.D      | 298571   |
| <u>Analytes</u>               | <u>Result</u> |        | <u>RL</u>        | <u>DE</u> | <u>Date Analyzed</u> |          |
| Acenaphthene                  | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Acenaphthylene                | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Acetochlor                    | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Anthracene                    | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Benzidine                     | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| Benzo (a) anthracene          | ND            |        | 0.20             | 2         | 07/29/2024 14:26     |          |
| Benzo (a) pyrene              | 0.094         |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Benzo (b) fluoranthene        | 0.10          |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Benzo (g,h,i) perylene        | 0.15          |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Benzo (k) fluoranthene        | 0.050         |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Benzoic Acid                  | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| Benzyl Alcohol                | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| 1,1-Biphenyl                  | ND            |        | 0.20             | 2         | 07/29/2024 14:26     |          |
| Bis (2-chloroethoxy) Methane  | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Bis (2-chloroethyl) Ether     | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Bis (2-chloroisopropyl) Ether | ND            |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Bis (2-ethylhexyl) Adipate    | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Bis (2-ethylhexyl) Phthalate  | ND            |        | 1.0              | 2         | 07/29/2024 14:26     |          |
| 4-Bromophenyl Phenyl Ether    | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Butylbenzyl Phthalate         | ND            |        | 1.0              | 2         | 07/29/2024 14:26     |          |
| 4-Chloroaniline               | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| 4-Chloro-3-methylphenol       | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 2-Chloronaphthalene           | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 2-Chlorophenol                | ND            |        | 0.20             | 2         | 07/29/2024 14:26     |          |
| 4-Chlorophenyl Phenyl Ether   | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Chrysene                      | 0.070         |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Dibenzo (a,h) anthracene      | 0.040         |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Dibenzofuran                  | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Di-n-butyl Phthalate          | ND            |        | 1.0              | 2         | 07/29/2024 14:26     |          |
| 1,2-Dichlorobenzene           | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 1,3-Dichlorobenzene           | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 1,4-Dichlorobenzene           | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 3,3-Dichlorobenzidine         | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| 2,4-Dichlorophenol            | ND            |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| 2,6-Dichlorophenol            | ND            |        | 0.20             | 2         | 07/29/2024 14:26     |          |
| Diethyl Phthalate             | ND            |        | 0.20             | 2         | 07/29/2024 14:26     |          |

(Cont.)





## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/29/2024  
**Project:** 22-033; 22-033 SFDPA Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270E  
**Unit:** mg/Kg

### Semi-Volatile Organics

| Client ID                       | Lab ID        | Matrix | Date Collected   |           | Instrument           | Batch ID |
|---------------------------------|---------------|--------|------------------|-----------|----------------------|----------|
| Stock Pile                      | 2407G54-001A  | Soil   | 07/26/2024 11:00 |           | GC47 07292415.D      | 298571   |
| <u>Analytes</u>                 | <u>Result</u> |        | <u>RL</u>        | <u>DE</u> | <u>Date Analyzed</u> |          |
| 2,4-Dimethylphenol              | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Dimethyl Phthalate              | ND            |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| 4,6-Dinitro-2-methylphenol      | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| 2,4-Dinitrophenol               | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 2,4-Dinitrotoluene              | ND            |        | 0.20             | 2         | 07/29/2024 14:26     |          |
| 2,6-Dinitrotoluene              | ND            |        | 0.20             | 2         | 07/29/2024 14:26     |          |
| Di-n-octyl Phthalate            | ND            |        | 10               | 2         | 07/29/2024 14:26     |          |
| 1,2-Diphenylhydrazine           | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Fluoranthene                    | 0.11          |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Fluorene                        | ND            |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Hexachlorobenzene               | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Hexachlorobutadiene             | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Hexachlorocyclopentadiene       | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| Hexachloroethane                | ND            |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Indeno (1,2,3-cd) pyrene        | 0.072         |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| Isophorone                      | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 1-Methylnaphthalene             | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| 2-Methylnaphthalene             | ND            |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| 2-Methylphenol (o-Cresol)       | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 3 & 4-Methylphenol (m,p-Cresol) | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Naphthalene                     | ND            |        | 0.040            | 2         | 07/29/2024 14:26     |          |
| 2-Nitroaniline                  | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| 3-Nitroaniline                  | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| 4-Nitroaniline                  | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| Nitrobenzene                    | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 2-Nitrophenol                   | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| 4-Nitrophenol                   | ND            |        | 20               | 2         | 07/29/2024 14:26     |          |
| N-Nitrosodiphenylamine          | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| N-Nitrosodi-n-propylamine       | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| Pentachlorophenol               | ND            |        | 1.0              | 2         | 07/29/2024 14:26     |          |
| Phenanthrene                    | 0.086         |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Phenol                          | ND            |        | 0.16             | 2         | 07/29/2024 14:26     |          |
| Pyrene                          | 0.15          |        | 0.021            | 2         | 07/29/2024 14:26     |          |
| Pyridine                        | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 1,2,4-Trichlorobenzene          | ND            |        | 4.0              | 2         | 07/29/2024 14:26     |          |
| 2,4,5-Trichlorophenol           | ND            |        | 0.040            | 2         | 07/29/2024 14:26     |          |

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## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/29/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8270E  
**Unit:** mg/Kg

### Semi-Volatile Organics

| Client ID  | Lab ID       | Matrix | Date Collected   | Instrument      | Batch ID |
|------------|--------------|--------|------------------|-----------------|----------|
| Stock Pile | 2407G54-001A | Soil   | 07/26/2024 11:00 | GC47 07292415.D | 298571   |

| Analytes                  | Result | RL    | DE | Date Analyzed    |
|---------------------------|--------|-------|----|------------------|
| 2,4,6-Trichlorophenol     | ND     | 0.040 | 2  | 07/29/2024 14:26 |
| N-Nitrosodimethylamine    | ND     | 20    | 2  | 07/29/2024 14:26 |
| 2,3,4,6-Tetrachlorophenol | ND     | 4.0   | 2  | 07/29/2024 14:26 |

| Surrogates           | REC (%) | Limits |                  |
|----------------------|---------|--------|------------------|
| 2-Fluorophenol       | 85      | 60-130 | 07/29/2024 14:26 |
| Phenol-d5            | 75      | 50-130 | 07/29/2024 14:26 |
| Nitrobenzene-d5      | 80      | 60-130 | 07/29/2024 14:26 |
| 2-Fluorobiphenyl     | 87      | 60-130 | 07/29/2024 14:26 |
| 2,4,6-Tribromophenol | 50      | 50-130 | 07/29/2024 14:26 |
| 4-Terphenyl-d14      | 92      | 50-130 | 07/29/2024 14:26 |

**Analyst(s):** MV

**Analytical Comments:** a4



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/26/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg

### CAM / CCR 17 Metals

| Client ID  | Lab ID       | Matrix | Date Collected   | Instrument        | Batch ID |
|------------|--------------|--------|------------------|-------------------|----------|
| Stock Pile | 2407G54-001A | Soil   | 07/26/2024 11:00 | ICP-MS4 115SMPL.d | 298508   |

| Analytes   | Result | RL    | DE | Date Analyzed    |
|------------|--------|-------|----|------------------|
| Antimony   | 0.97   | 0.50  | 1  | 07/29/2024 11:47 |
| Arsenic    | 8.0    | 0.50  | 1  | 07/29/2024 11:47 |
| Barium     | 220    | 5.0   | 1  | 07/29/2024 11:47 |
| Beryllium  | ND     | 0.50  | 1  | 07/29/2024 11:47 |
| Cadmium    | ND     | 0.50  | 1  | 07/29/2024 11:47 |
| Chromium   | 43     | 0.50  | 1  | 07/29/2024 11:47 |
| Cobalt     | 8.7    | 0.50  | 1  | 07/29/2024 11:47 |
| Copper     | 41     | 0.50  | 1  | 07/29/2024 11:47 |
| Lead       | 55     | 0.50  | 1  | 07/29/2024 11:47 |
| Mercury    | 0.31   | 0.050 | 1  | 07/29/2024 11:47 |
| Molybdenum | 0.94   | 0.50  | 1  | 07/29/2024 11:47 |
| Nickel     | 47     | 0.50  | 1  | 07/29/2024 11:47 |
| Selenium   | ND     | 0.50  | 1  | 07/29/2024 11:47 |
| Silver     | ND     | 0.50  | 1  | 07/29/2024 11:47 |
| Thallium   | ND     | 0.50  | 1  | 07/29/2024 11:47 |
| Vanadium   | 56     | 0.50  | 1  | 07/29/2024 11:47 |
| Zinc       | 100    | 5.0   | 1  | 07/29/2024 11:47 |

| Surrogates | REC (%) | Limits |                  |
|------------|---------|--------|------------------|
| Terbium    | 108     | 70-130 | 07/29/2024 11:47 |

**Analyst(s):** WV



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/26/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW5035  
**Analytical Method:** SW8021B/8015Bm  
**Unit:** mg/Kg

### Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

| Client ID             | Lab ID         | Matrix | Date Collected   |           | Instrument           | Batch ID |
|-----------------------|----------------|--------|------------------|-----------|----------------------|----------|
| Stock Pile            | 2407G54-001A   | Soil   | 07/26/2024 11:00 |           | GC7 07262429.D       | 298500   |
| <u>Analytes</u>       | <u>Result</u>  |        | <u>RL</u>        | <u>DF</u> | <u>Date Analyzed</u> |          |
| TPH(g) (C6-C12)       | ND             |        | 1.0              | 1         | 07/26/2024 22:50     |          |
| MTBE                  | ND             |        | 0.050            | 1         | 07/26/2024 22:50     |          |
| Benzene               | ND             |        | 0.0050           | 1         | 07/26/2024 22:50     |          |
| Toluene               | ND             |        | 0.0050           | 1         | 07/26/2024 22:50     |          |
| Ethylbenzene          | ND             |        | 0.0050           | 1         | 07/26/2024 22:50     |          |
| m,p-Xylene            | ND             |        | 0.010            | 1         | 07/26/2024 22:50     |          |
| o-Xylene              | ND             |        | 0.0050           | 1         | 07/26/2024 22:50     |          |
| Xylenes               | ND             |        | 0.010            | 1         | 07/26/2024 22:50     |          |
| <u>Surrogates</u>     | <u>REC (%)</u> |        | <u>Limits</u>    |           |                      |          |
| 2-Fluorotoluene       | 101            |        | 60-130           |           | 07/26/2024 22:50     |          |
| <u>Analyst(s):</u> IA |                |        |                  |           |                      |          |



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/27/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** CA Title 22  
**Analytical Method:** SW6020  
**Unit:** mg/L

### Metals (STLC)

| Client ID  | Lab ID       | Matrix | Date Collected   | Instrument        | Batch ID |
|------------|--------------|--------|------------------|-------------------|----------|
| Stock Pile | 2407G54-001A | Soil   | 07/26/2024 11:00 | ICP-MS4 167SMPL.d | 298553   |

| Analytes | Result | RL   | DE | Date Analyzed    |
|----------|--------|------|----|------------------|
| Chromium | ND     | 0.10 | 1  | 07/29/2024 15:15 |
| Lead     | 2.1    | 0.10 | 1  | 07/29/2024 15:15 |

Analyst(s): WV



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/28/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW1311/SW3010  
**Analytical Method:** SW6020  
**Unit:** mg/L

### Metals (TCLP)

| Client ID  | Lab ID       | Matrix | Date Collected   | Instrument        | Batch ID |
|------------|--------------|--------|------------------|-------------------|----------|
| Stock Pile | 2407G54-001A | Soil   | 07/26/2024 11:00 | ICP-MS5 188SMPL.d | 298558   |

| Analytes | Result | RL   | DE | Date Analyzed    |
|----------|--------|------|----|------------------|
| Chromium | ND     | 0.10 | 1  | 07/29/2024 17:40 |
| Lead     | ND     | 0.10 | 1  | 07/29/2024 17:40 |

Analyst(s): MIG



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/26/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW3550B/3630C  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg

### Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

| Client ID  | Lab ID       | Matrix | Date Collected   | Instrument      | Batch ID |
|------------|--------------|--------|------------------|-----------------|----------|
| Stock Pile | 2407G54-001A | Soil   | 07/26/2024 11:00 | GC6B 07292423.D | 298524   |

| Analytes                | Result | RL | DE | Date Analyzed    |
|-------------------------|--------|----|----|------------------|
| TPH-Diesel (C10-C23)    | 18     | 10 | 5  | 07/29/2024 17:03 |
| TPH-Motor Oil (C18-C36) | 700    | 50 | 5  | 07/29/2024 17:03 |

| Surrogates | REC (%) | Limits |                  |
|------------|---------|--------|------------------|
| C9         | 97      | 70-130 | 07/29/2024 17:03 |

**Analyst(s):** JNG

**Analytical Comments:** e7,e2,h2



## Analytical Report

**Client:** Yerba Buena Engineering  
**Date Received:** 07/26/2024 14:37  
**Date Prepared:** 07/26/2024  
**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle Triage Ph 2

**WorkOrder:** 2407G54  
**Extraction Method:** SW3550B  
**Analytical Method:** SW8015B  
**Unit:** mg/Kg

### Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

| Client ID               | Lab ID         | Matrix | Date Collected                    | Instrument       | Batch ID             |
|-------------------------|----------------|--------|-----------------------------------|------------------|----------------------|
| Stock Pile              | 2407G54-001A   | Soil   | 07/26/2024 11:00                  | GC31A 07292416.D | 298499               |
| <hr/>                   |                |        |                                   |                  |                      |
| <u>Analytes</u>         | <u>Result</u>  |        | <u>RL</u>                         | <u>DE</u>        | <u>Date Analyzed</u> |
| TPH-Diesel (C10-C23)    | 37             |        | 20                                | 10               | 07/29/2024 13:33     |
| TPH-Motor Oil (C18-C36) | 1000           |        | 100                               | 10               | 07/29/2024 13:33     |
| <hr/>                   |                |        |                                   |                  |                      |
| <u>Surrogates</u>       | <u>REC (%)</u> |        | <u>Limits</u>                     |                  |                      |
| C9                      | 77             |        | 70-130                            |                  | 07/29/2024 13:33     |
| <hr/>                   |                |        |                                   |                  |                      |
| <u>Analyst(s):</u> JNG  |                |        | <u>Analytical Comments:</u> e7,e2 |                  |                      |





## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/26/2024 - 07/29/2024

**Instrument:** GC23

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298525

**Extraction Method:** SW3550B

**Analytical Method:** SW8081B

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298525

### QC Summary Report for SW8081B

| Analyte                   | MB Result     | MDL     | RL     | SPK Val | MB SS %REC | MB SS Limits |
|---------------------------|---------------|---------|--------|---------|------------|--------------|
| Aldrin                    | ND            | 0.00042 | 0.0010 | -       | -          | -            |
| a-BHC                     | ND            | 0.00045 | 0.0010 | -       | -          | -            |
| b-BHC                     | ND            | 0.00038 | 0.0010 | -       | -          | -            |
| d-BHC                     | ND            | 0.00036 | 0.0010 | -       | -          | -            |
| g-BHC                     | ND            | 0.00036 | 0.0010 | -       | -          | -            |
| Chlordane (Technical)     | ND            | 0.010   | 0.025  | -       | -          | -            |
| a-Chlordane               | ND            | 0.00035 | 0.0010 | -       | -          | -            |
| g-Chlordane               | ND            | 0.00067 | 0.0010 | -       | -          | -            |
| p,p-DDD                   | ND            | 0.00057 | 0.0010 | -       | -          | -            |
| p,p-DDE                   | ND            | 0.00034 | 0.0010 | -       | -          | -            |
| p,p-DDT                   | <b>0.0011</b> | 0.00043 | 0.0010 | -       | -          | -            |
| Dieldrin                  | ND            | 0.00041 | 0.0010 | -       | -          | -            |
| Endosulfan I              | ND            | 0.00040 | 0.0010 | -       | -          | -            |
| Endosulfan II             | ND            | 0.00051 | 0.0010 | -       | -          | -            |
| Endosulfan sulfate        | ND            | 0.00040 | 0.0010 | -       | -          | -            |
| Endrin                    | ND            | 0.00045 | 0.0010 | -       | -          | -            |
| Endrin aldehyde           | ND            | 0.00045 | 0.0010 | -       | -          | -            |
| Endrin ketone             | ND            | 0.00042 | 0.0010 | -       | -          | -            |
| Heptachlor                | ND            | 0.00067 | 0.0010 | -       | -          | -            |
| Heptachlor epoxide        | ND            | 0.00041 | 0.0010 | -       | -          | -            |
| Hexachlorobenzene         | ND            | 0.00038 | 0.010  | -       | -          | -            |
| Hexachlorocyclopentadiene | ND            | 0.00064 | 0.020  | -       | -          | -            |
| Methoxychlor              | ND            | 0.00063 | 0.0010 | -       | -          | -            |
| Toxaphene                 | ND            | 0.064   | 0.20   | -       | -          | -            |
| <b>Surrogate Recovery</b> |               |         |        |         |            |              |
| Decachlorobiphenyl        | 0.052         |         |        | 0.05    | 104        | 70-130       |

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## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/26/2024 - 07/29/2024

**Instrument:** GC23

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298525

**Extraction Method:** SW3550B

**Analytical Method:** SW8081B

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298525

### QC Summary Report for SW8081B

| Analyte                   | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD   | RPD<br>Limit |
|---------------------------|---------------|----------------|------------|-------------|--------------|--------------------|-------|--------------|
| Aldrin                    | 0.046         | 0.046          | 0.050      | 91          | 93           | 70-130             | 1.52  | 20           |
| a-BHC                     | 0.039         | 0.039          | 0.050      | 78          | 79           | 70-130             | 0.450 | 20           |
| b-BHC                     | 0.047         | 0.048          | 0.050      | 95          | 96           | 70-130             | 0.966 | 20           |
| d-BHC                     | 0.028         | 0.028          | 0.050      | 56,F2       | 57,F2        | 70-130             | 2.19  | 20           |
| g-BHC                     | 0.045         | 0.046          | 0.050      | 90          | 91           | 70-130             | 0.764 | 20           |
| a-Chlordane               | 0.048         | 0.050          | 0.050      | 97          | 99           | 70-130             | 2.46  | 20           |
| g-Chlordane               | 0.043         | 0.044          | 0.050      | 86          | 88           | 70-130             | 2.04  | 20           |
| p,p-DDD                   | 0.050         | 0.051          | 0.050      | 99          | 102          | 70-130             | 3.19  | 20           |
| p,p-DDE                   | 0.055         | 0.057          | 0.050      | 110         | 113          | 70-130             | 3.16  | 20           |
| p,p-DDT                   | 0.052         | 0.053          | 0.050      | 103         | 107          | 70-130             | 3.51  | 20           |
| Dieldrin                  | 0.052         | 0.054          | 0.050      | 105         | 108          | 70-130             | 2.78  | 20           |
| Endosulfan I              | 0.047         | 0.048          | 0.050      | 93          | 96           | 70-130             | 2.48  | 20           |
| Endosulfan II             | 0.049         | 0.050          | 0.050      | 98          | 100          | 70-130             | 2.29  | 20           |
| Endosulfan sulfate        | 0.046         | 0.048          | 0.050      | 92          | 96           | 70-130             | 3.91  | 20           |
| Endrin                    | 0.061         | 0.062          | 0.050      | 122         | 125          | 70-130             | 2.50  | 20           |
| Endrin aldehyde           | 0.055         | 0.057          | 0.050      | 110         | 115          | 70-130             | 3.85  | 20           |
| Endrin ketone             | 0.047         | 0.050          | 0.050      | 94          | 99           | 70-130             | 5.22  | 20           |
| Heptachlor                | 0.050         | 0.051          | 0.050      | 101         | 102          | 70-130             | 1.43  | 20           |
| Heptachlor epoxide        | 0.048         | 0.049          | 0.050      | 96          | 98           | 70-130             | 1.53  | 20           |
| Hexachlorobenzene         | 0.042         | 0.042          | 0.050      | 84          | 85           | 70-130             | 0.972 | 20           |
| Hexachlorocyclopentadiene | 0.039         | 0.040          | 0.050      | 78          | 80           | 50-130             | 2.12  | 20           |
| Methoxychlor              | 0.052         | 0.054          | 0.050      | 104         | 109          | 70-130             | 4.60  | 20           |
| <b>Surrogate Recovery</b> |               |                |            |             |              |                    |       |              |
| Decachlorobiphenyl        | 0.057         | 0.059          | 0.050      | 113         | 118          | 70-130             | 4.16  | 20           |



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC38

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298497

**Extraction Method:** SW5030B

**Analytical Method:** SW8260D

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298497

### QC Summary Report for SW8260D

| Analyte                       | MB Result | MDL      | RL      | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------------|-----------|----------|---------|---------|------------|--------------|
| Acetone                       | ND        | 0.12     | 0.20    | -       | -          | -            |
| tert-Amyl methyl ether (TAME) | ND        | 0.0012   | 0.0050  | -       | -          | -            |
| Benzene                       | ND        | 0.00095  | 0.0050  | -       | -          | -            |
| Bromobenzene                  | ND        | 0.0012   | 0.0050  | -       | -          | -            |
| Bromochloromethane            | ND        | 0.0011   | 0.0050  | -       | -          | -            |
| Bromodichloromethane          | ND        | 0.00023  | 0.0050  | -       | -          | -            |
| Bromoform                     | ND        | 0.0038   | 0.0050  | -       | -          | -            |
| Bromomethane                  | ND        | 0.0018   | 0.0050  | -       | -          | -            |
| 2-Butanone (MEK)              | ND        | 0.040    | 0.10    | -       | -          | -            |
| t-Butyl alcohol (TBA)         | ND        | 0.024    | 0.050   | -       | -          | -            |
| n-Butyl benzene               | ND        | 0.0016   | 0.0050  | -       | -          | -            |
| sec-Butyl benzene             | ND        | 0.0018   | 0.0050  | -       | -          | -            |
| tert-Butyl benzene            | ND        | 0.0021   | 0.0050  | -       | -          | -            |
| Carbon Disulfide              | ND        | 0.0011   | 0.0050  | -       | -          | -            |
| Carbon Tetrachloride          | ND        | 0.00017  | 0.0050  | -       | -          | -            |
| Chlorobenzene                 | ND        | 0.0012   | 0.0050  | -       | -          | -            |
| Chloroethane                  | ND        | 0.0017   | 0.0050  | -       | -          | -            |
| Chloroform                    | ND        | 0.00032  | 0.0050  | -       | -          | -            |
| Chloromethane                 | ND        | 0.0017   | 0.0050  | -       | -          | -            |
| 2-Chlorotoluene               | ND        | 0.0016   | 0.0050  | -       | -          | -            |
| 4-Chlorotoluene               | ND        | 0.0013   | 0.0050  | -       | -          | -            |
| Dibromochloromethane          | ND        | 0.00040  | 0.0050  | -       | -          | -            |
| 1,2-Dibromo-3-chloropropane   | ND        | 0.00048  | 0.00050 | -       | -          | -            |
| 1,2-Dibromoethane (EDB)       | ND        | 0.00013  | 0.00025 | -       | -          | -            |
| Dibromomethane                | ND        | 0.0012   | 0.0050  | -       | -          | -            |
| 1,2-Dichlorobenzene           | ND        | 0.0017   | 0.0050  | -       | -          | -            |
| 1,3-Dichlorobenzene           | ND        | 0.0015   | 0.0050  | -       | -          | -            |
| 1,4-Dichlorobenzene           | ND        | 0.0015   | 0.0050  | -       | -          | -            |
| Dichlorodifluoromethane       | ND        | 0.00063  | 0.0050  | -       | -          | -            |
| 1,1-Dichloroethane            | ND        | 0.0015   | 0.0050  | -       | -          | -            |
| 1,2-Dichloroethane (1,2-DCA)  | ND        | 0.000070 | 0.00010 | -       | -          | -            |
| 1,1-Dichloroethene            | ND        | 0.00011  | 0.0050  | -       | -          | -            |
| cis-1,2-Dichloroethene        | ND        | 0.0012   | 0.0050  | -       | -          | -            |
| trans-1,2-Dichloroethene      | ND        | 0.0012   | 0.0050  | -       | -          | -            |
| 1,2-Dichloropropane           | ND        | 0.0013   | 0.0050  | -       | -          | -            |
| 1,3-Dichloropropane           | ND        | 0.00088  | 0.0050  | -       | -          | -            |
| 2,2-Dichloropropane           | ND        | 0.0019   | 0.0050  | -       | -          | -            |
| 1,1-Dichloropropene           | ND        | 0.0018   | 0.0050  | -       | -          | -            |

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## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC38

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298497

**Extraction Method:** SW5030B

**Analytical Method:** SW8260D

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298497

### QC Summary Report for SW8260D

| Analyte                       | MB Result | MDL     | RL      | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------------|-----------|---------|---------|---------|------------|--------------|
| cis-1,3-Dichloropropene       | ND        | 0.00098 | 0.0050  | -       | -          | -            |
| trans-1,3-Dichloropropene     | ND        | 0.00097 | 0.0050  | -       | -          | -            |
| Diisopropyl ether (DIPE)      | ND        | 0.0018  | 0.0050  | -       | -          | -            |
| Ethylbenzene                  | ND        | 0.0011  | 0.0050  | -       | -          | -            |
| Ethyl tert-butyl ether (ETBE) | ND        | 0.0014  | 0.0050  | -       | -          | -            |
| Freon 113                     | ND        | 0.0011  | 0.0050  | -       | -          | -            |
| Hexachlorobutadiene           | ND        | 0.0012  | 0.0050  | -       | -          | -            |
| Hexachloroethane              | ND        | 0.00064 | 0.0050  | -       | -          | -            |
| 2-Hexanone                    | ND        | 0.0027  | 0.0050  | -       | -          | -            |
| Isopropylbenzene              | ND        | 0.0018  | 0.0050  | -       | -          | -            |
| 4-Isopropyl toluene           | ND        | 0.0019  | 0.0050  | -       | -          | -            |
| Methyl-t-butyl ether (MTBE)   | ND        | 0.0015  | 0.0050  | -       | -          | -            |
| Methylene chloride            | ND        | 0.012   | 0.020   | -       | -          | -            |
| 4-Methyl-2-pentanone (MIBK)   | ND        | 0.0017  | 0.0050  | -       | -          | -            |
| Naphthalene                   | ND        | 0.0030  | 0.0050  | -       | -          | -            |
| n-Propyl benzene              | ND        | 0.0019  | 0.0050  | -       | -          | -            |
| Styrene                       | ND        | 0.0014  | 0.0050  | -       | -          | -            |
| 1,1,1,2-Tetrachloroethane     | ND        | 0.0013  | 0.0050  | -       | -          | -            |
| 1,1,2,2-Tetrachloroethane     | ND        | 0.00044 | 0.0050  | -       | -          | -            |
| Tetrachloroethene             | ND        | 0.00029 | 0.0050  | -       | -          | -            |
| Toluene                       | ND        | 0.0016  | 0.0050  | -       | -          | -            |
| 1,2,3-Trichlorobenzene        | ND        | 0.0021  | 0.0050  | -       | -          | -            |
| 1,2,4-Trichlorobenzene        | ND        | 0.0016  | 0.0050  | -       | -          | -            |
| 1,1,1-Trichloroethane         | ND        | 0.0016  | 0.0050  | -       | -          | -            |
| 1,1,2-Trichloroethane         | ND        | 0.0012  | 0.0050  | -       | -          | -            |
| Trichloroethene               | ND        | 0.0014  | 0.0050  | -       | -          | -            |
| Trichlorofluoromethane        | ND        | 0.0013  | 0.0050  | -       | -          | -            |
| 1,2,3-Trichloropropane        | ND        | 0.00017 | 0.00025 | -       | -          | -            |
| 1,2,4-Trimethylbenzene        | ND        | 0.0016  | 0.0050  | -       | -          | -            |
| 1,3,5-Trimethylbenzene        | ND        | 0.0017  | 0.0050  | -       | -          | -            |
| Vinyl Chloride                | ND        | 0.00012 | 0.00025 | -       | -          | -            |
| m,p-Xylene                    | ND        | 0.0026  | 0.0050  | -       | -          | -            |
| o-Xylene                      | ND        | 0.0014  | 0.0050  | -       | -          | -            |

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## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC38

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298497

**Extraction Method:** SW5030B

**Analytical Method:** SW8260D

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298497

### QC Summary Report for SW8260D

| Analyte                   | MB<br>Result | MDL | RL | SPK<br>Val | MB SS<br>%REC | MB SS<br>Limits |
|---------------------------|--------------|-----|----|------------|---------------|-----------------|
| <b>Surrogate Recovery</b> |              |     |    |            |               |                 |
| Dibromofluoromethane      | 0.11         |     |    | 0.125      | 85            | 70-140          |
| Toluene-d8                | 0.13         |     |    | 0.125      | 106           | 70-140          |
| 4-BFB                     | 0.014        |     |    | 0.0125     | 108           | 70-140          |
| Benzene-d6                | 0.11         |     |    | 0.1        | 105           | 70-140          |
| Ethylbenzene-d10          | 0.12         |     |    | 0.1        | 120           | 70-140          |
| 1,2-DCB-d4                | 0.096        |     |    | 0.1        | 96            | 70-140          |



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC38

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298497

**Extraction Method:** SW5030B

**Analytical Method:** SW8260D

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298497

### QC Summary Report for SW8260D

| Analyte                       | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD   | RPD<br>Limit |
|-------------------------------|---------------|----------------|------------|-------------|--------------|--------------------|-------|--------------|
| Acetone                       | 0.26          | 0.23           | 0.20       | 132         | 113          | 60-140             | 15.1  | 30           |
| tert-Amyl methyl ether (TAME) | 0.018         | 0.017          | 0.020      | 91          | 84           | 50-140             | 7.42  | 30           |
| Benzene                       | 0.019         | 0.017          | 0.020      | 93          | 86           | 60-140             | 8.19  | 30           |
| Bromobenzene                  | 0.023         | 0.023          | 0.020      | 115         | 114          | 60-140             | 0.161 | 30           |
| Bromochloromethane            | 0.019         | 0.017          | 0.020      | 97          | 87           | 60-140             | 10.4  | 30           |
| Bromodichloromethane          | 0.020         | 0.018          | 0.020      | 98          | 91           | 60-140             | 6.97  | 30           |
| Bromoform                     | 0.016         | 0.015          | 0.020      | 80          | 77           | 40-140             | 2.91  | 30           |
| Bromomethane                  | 0.020         | 0.016          | 0.020      | 100         | 81           | 30-140             | 20.5  | 30           |
| 2-Butanone (MEK)              | 0.096         | 0.091          | 0.080      | 120         | 114          | 50-140             | 5.53  | 30           |
| t-Butyl alcohol (TBA)         | 0.088         | 0.079          | 0.080      | 111         | 98           | 50-140             | 11.8  | 30           |
| n-Butyl benzene               | 0.028         | 0.027          | 0.020      | 141         | 136          | 60-150             | 3.04  | 30           |
| sec-Butyl benzene             | 0.028         | 0.027          | 0.020      | 142         | 136          | 60-150             | 4.57  | 30           |
| tert-Butyl benzene            | 0.028         | 0.027          | 0.020      | 140         | 133          | 60-140             | 5.07  | 30           |
| Carbon Disulfide              | 0.021         | 0.019          | 0.020      | 105         | 95           | 50-140             | 9.40  | 30           |
| Carbon Tetrachloride          | 0.023         | 0.021          | 0.020      | 114         | 103          | 60-140             | 9.51  | 30           |
| Chlorobenzene                 | 0.021         | 0.021          | 0.020      | 106         | 104          | 60-140             | 2.61  | 30           |
| Chloroethane                  | 0.020         | 0.016          | 0.020      | 99          | 79           | 50-140             | 21.9  | 30           |
| Chloroform                    | 0.020         | 0.018          | 0.020      | 101         | 92           | 60-140             | 9.44  | 30           |
| Chloromethane                 | 0.019         | 0.016          | 0.020      | 95          | 81           | 20-140             | 14.9  | 30           |
| 2-Chlorotoluene               | 0.026         | 0.025          | 0.020      | 131         | 126          | 60-140             | 3.64  | 30           |
| 4-Chlorotoluene               | 0.026         | 0.025          | 0.020      | 129         | 124          | 60-140             | 3.81  | 30           |
| Dibromochloromethane          | 0.019         | 0.019          | 0.020      | 95          | 93           | 50-140             | 2.45  | 30           |
| 1,2-Dibromo-3-chloropropane   | 0.010         | 0.0094         | 0.010      | 102         | 94           | 30-140             | 8.15  | 30           |
| 1,2-Dibromoethane (EDB)       | 0.0099        | 0.0096         | 0.010      | 99          | 96           | 40-140             | 3.52  | 30           |
| Dibromomethane                | 0.019         | 0.017          | 0.020      | 93          | 86           | 60-140             | 7.79  | 30           |
| 1,2-Dichlorobenzene           | 0.018         | 0.018          | 0.020      | 92          | 91           | 60-140             | 1.60  | 30           |
| 1,3-Dichlorobenzene           | 0.022         | 0.021          | 0.020      | 111         | 106          | 60-140             | 5.39  | 30           |
| 1,4-Dichlorobenzene           | 0.022         | 0.021          | 0.020      | 109         | 104          | 60-140             | 4.79  | 30           |
| Dichlorodifluoromethane       | 0.012         | 0.011          | 0.020      | 62          | 55           | 10-140             | 12.6  | 30           |
| 1,1-Dichloroethane            | 0.020         | 0.018          | 0.020      | 101         | 91           | 60-140             | 10.2  | 30           |
| 1,2-Dichloroethane (1,2-DCA)  | 0.018         | 0.016          | 0.020      | 89          | 81           | 60-140             | 8.63  | 30           |
| 1,1-Dichloroethene            | 0.020         | 0.018          | 0.020      | 102         | 91           | 60-140             | 11.3  | 30           |
| cis-1,2-Dichloroethene        | 0.021         | 0.019          | 0.020      | 103         | 93           | 60-140             | 10.7  | 30           |
| trans-1,2-Dichloroethene      | 0.021         | 0.019          | 0.020      | 105         | 94           | 60-140             | 11.4  | 30           |
| 1,2-Dichloropropane           | 0.019         | 0.018          | 0.020      | 94          | 88           | 60-140             | 7.33  | 30           |
| 1,3-Dichloropropane           | 0.021         | 0.020          | 0.020      | 103         | 100          | 60-140             | 3.76  | 30           |
| 2,2-Dichloropropane           | 0.023         | 0.020          | 0.020      | 114         | 102          | 60-140             | 11.7  | 30           |
| 1,1-Dichloropropene           | 0.022         | 0.020          | 0.020      | 110         | 101          | 60-140             | 8.73  | 30           |

(Cont.)



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC38

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298497

**Extraction Method:** SW5030B

**Analytical Method:** SW8260D

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298497

### QC Summary Report for SW8260D

| Analyte                       | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD   | RPD<br>Limit |
|-------------------------------|---------------|----------------|------------|-------------|--------------|--------------------|-------|--------------|
| cis-1,3-Dichloropropene       | 0.022         | 0.021          | 0.020      | 109         | 104          | 60-140             | 4.44  | 30           |
| trans-1,3-Dichloropropene     | 0.021         | 0.021          | 0.020      | 107         | 104          | 60-140             | 3.41  | 30           |
| Diisopropyl ether (DIPE)      | 0.018         | 0.017          | 0.020      | 92          | 84           | 60-140             | 9.21  | 30           |
| Ethylbenzene                  | 0.023         | 0.022          | 0.020      | 114         | 110          | 60-140             | 3.82  | 30           |
| Ethyl tert-butyl ether (ETBE) | 0.018         | 0.017          | 0.020      | 92          | 83           | 60-140             | 10.7  | 30           |
| Freon 113                     | 0.017         | 0.016          | 0.020      | 87          | 79           | 50-140             | 9.98  | 30           |
| Hexachlorobutadiene           | 0.020         | 0.018          | 0.020      | 98          | 91           | 60-140             | 7.74  | 30           |
| Hexachloroethane              | 0.026         | 0.025          | 0.020      | 128         | 123          | 60-140             | 3.48  | 30           |
| 2-Hexanone                    | 0.023         | 0.022          | 0.020      | 114         | 112          | 40-140             | 2.61  | 30           |
| Isopropylbenzene              | 0.027         | 0.026          | 0.020      | 133         | 130          | 60-140             | 2.36  | 30           |
| 4-Isopropyl toluene           | 0.028         | 0.026          | 0.020      | 139         | 132          | 60-150             | 5.45  | 30           |
| Methyl-t-butyl ether (MTBE)   | 0.019         | 0.017          | 0.020      | 93          | 83           | 50-140             | 10.9  | 30           |
| Methylene chloride            | 0.025         | 0.022          | 0.020      | 123         | 110          | 60-140             | 11.2  | 30           |
| 4-Methyl-2-pentanone (MIBK)   | 0.018         | 0.020          | 0.020      | 91          | 98           | 50-140             | 7.87  | 30           |
| Naphthalene                   | 0.011         | 0.011          | 0.020      | 54          | 54           | 30-140             | 1.40  | 30           |
| n-Propyl benzene              | 0.030         | 0.028          | 0.020      | 148,F2      | 142,F2       | 60-140             | 3.73  | 30           |
| Styrene                       | 0.019         | 0.018          | 0.020      | 95          | 92           | 60-140             | 4.17  | 30           |
| 1,1,1,2-Tetrachloroethane     | 0.020         | 0.020          | 0.020      | 102         | 98           | 60-140             | 4.17  | 30           |
| 1,1,2,2-Tetrachloroethane     | 0.019         | 0.019          | 0.020      | 96          | 96           | 40-140             | 0.820 | 30           |
| Tetrachloroethene             | 0.023         | 0.023          | 0.020      | 116         | 113          | 60-140             | 3.37  | 30           |
| Toluene                       | 0.022         | 0.021          | 0.020      | 112         | 107          | 60-140             | 4.40  | 30           |
| 1,2,3-Trichlorobenzene        | 0.012         | 0.013          | 0.020      | 62          | 63           | 40-140             | 1.04  | 30           |
| 1,2,4-Trichlorobenzene        | 0.016         | 0.016          | 0.020      | 81          | 79           | 50-140             | 2.09  | 30           |
| 1,1,1-Trichloroethane         | 0.022         | 0.020          | 0.020      | 108         | 98           | 60-140             | 10.5  | 30           |
| 1,1,2-Trichloroethane         | 0.019         | 0.019          | 0.020      | 97          | 94           | 60-140             | 3.41  | 30           |
| Trichloroethene               | 0.021         | 0.019          | 0.020      | 105         | 96           | 60-140             | 8.58  | 30           |
| Trichlorofluoromethane        | 0.020         | 0.018          | 0.020      | 101         | 90           | 50-140             | 12.1  | 30           |
| 1,2,3-Trichloropropane        | 0.010         | 0.010          | 0.010      | 102         | 101          | 60-130             | 0.727 | 30           |
| 1,2,4-Trimethylbenzene        | 0.025         | 0.025          | 0.020      | 127         | 126          | 30-140             | 1.15  | 30           |
| 1,3,5-Trimethylbenzene        | 0.027         | 0.026          | 0.020      | 136         | 132          | 60-140             | 2.49  | 30           |
| Vinyl Chloride                | 0.010         | 0.0090         | 0.010      | 102         | 90           | 30-140             | 13.3  | 30           |
| m,p-Xylene                    | 0.043         | 0.042          | 0.040      | 108         | 105          | 60-140             | 3.43  | 30           |
| o-Xylene                      | 0.020         | 0.019          | 0.020      | 102         | 97           | 60-140             | 4.93  | 30           |

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## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC38

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298497

**Extraction Method:** SW5030B

**Analytical Method:** SW8260D

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298497

### QC Summary Report for SW8260D

| Analyte                   | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD   | RPD<br>Limit |
|---------------------------|---------------|----------------|------------|-------------|--------------|--------------------|-------|--------------|
| <b>Surrogate Recovery</b> |               |                |            |             |              |                    |       |              |
| Dibromofluoromethane      | 0.12          | 0.11           | 0.12       | 92          | 86           | 70-140             | 6.73  | 30           |
| Toluene-d8                | 0.14          | 0.14           | 0.12       | 109         | 108          | 70-140             | 0.739 | 30           |
| 4-BFB                     | 0.014         | 0.014          | 0.012      | 113         | 116          | 70-140             | 2.54  | 30           |
| Benzene-d6                | 0.10          | 0.094          | 0.10       | 103         | 94           | 70-140             | 9.18  | 30           |
| Ethylbenzene-d10          | 0.12          | 0.11           | 0.10       | 118         | 113          | 70-140             | 4.32  | 30           |
| 1,2-DCB-d4                | 0.090         | 0.087          | 0.10       | 90          | 87           | 70-140             | 3.20  | 30           |





## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/29/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC47

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298571

**Extraction Method:** SW3550B

**Analytical Method:** SW8270E

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298571

### QC Summary Report for SW8270E

| Analyte                       | MB Result | MDL      | RL     | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------------|-----------|----------|--------|---------|------------|--------------|
| Acenaphthene                  | ND        | 0.00035  | 0.0013 | -       | -          | -            |
| Acenaphthylene                | ND        | 0.00028  | 0.0013 | -       | -          | -            |
| Acetochlor                    | ND        | 0.044    | 0.25   | -       | -          | -            |
| Anthracene                    | ND        | 0.00057  | 0.0013 | -       | -          | -            |
| Benzidine                     | ND        | 0.36     | 1.2    | -       | -          | -            |
| Benzo (a) anthracene          | ND        | 0.0036   | 0.012  | -       | -          | -            |
| Benzo (a) pyrene              | ND        | 0.00070  | 0.0013 | -       | -          | -            |
| Benzo (b) fluoranthene        | ND        | 0.0011   | 0.0025 | -       | -          | -            |
| Benzo (g,h,i) perylene        | ND        | 0.00089  | 0.0025 | -       | -          | -            |
| Benzo (k) fluoranthene        | ND        | 0.0010   | 0.0025 | -       | -          | -            |
| Benzoic Acid                  | ND        | 0.32     | 1.2    | -       | -          | -            |
| Benzyl Alcohol                | ND        | 0.55     | 1.2    | -       | -          | -            |
| 1,1-Biphenyl                  | ND        | 0.0029   | 0.012  | -       | -          | -            |
| Bis (2-chloroethoxy) Methane  | ND        | 0.030    | 0.25   | -       | -          | -            |
| Bis (2-chloroethyl) Ether     | ND        | 0.00036  | 0.0013 | -       | -          | -            |
| Bis (2-chloroisopropyl) Ether | ND        | 0.0012   | 0.0025 | -       | -          | -            |
| Bis (2-ethylhexyl) Adipate    | ND        | 0.085    | 0.25   | -       | -          | -            |
| Bis (2-ethylhexyl) Phthalate  | 0.0048,J  | 0.0047   | 0.062  | -       | -          | -            |
| 4-Bromophenyl Phenyl Ether    | ND        | 0.040    | 0.25   | -       | -          | -            |
| Butylbenzyl Phthalate         | ND        | 0.0036   | 0.062  | -       | -          | -            |
| 4-Chloro-3-methylphenol       | ND        | 0.062    | 0.25   | -       | -          | -            |
| 4-Chloroaniline               | ND        | 0.00092  | 0.0013 | -       | -          | -            |
| 2-Chloronaphthalene           | ND        | 0.041    | 0.25   | -       | -          | -            |
| 2-Chlorophenol                | ND        | 0.0024   | 0.012  | -       | -          | -            |
| 4-Chlorophenyl Phenyl Ether   | ND        | 0.066    | 0.25   | -       | -          | -            |
| Chrysene                      | ND        | 0.00067  | 0.0013 | -       | -          | -            |
| Dibenzo (a,h) anthracene      | ND        | 0.0011   | 0.0025 | -       | -          | -            |
| Dibenzofuran                  | ND        | 0.000093 | 0.0013 | -       | -          | -            |
| Di-n-butyl Phthalate          | ND        | 0.0044   | 0.062  | -       | -          | -            |
| 1,2-Dichlorobenzene           | ND        | 0.053    | 0.25   | -       | -          | -            |
| 1,3-Dichlorobenzene           | ND        | 0.042    | 0.25   | -       | -          | -            |
| 1,4-Dichlorobenzene           | ND        | 0.049    | 0.25   | -       | -          | -            |
| 3,3-Dichlorobenzidine         | ND        | 0.00089  | 0.0013 | -       | -          | -            |
| 2,4-Dichlorophenol            | ND        | 0.0012   | 0.0025 | -       | -          | -            |
| Diethyl Phthalate             | ND        | 0.0040   | 0.012  | -       | -          | -            |
| 2,4-Dimethylphenol            | ND        | 0.044    | 0.25   | -       | -          | -            |
| Dimethyl Phthalate            | ND        | 0.0019   | 0.0025 | -       | -          | -            |
| 4,6-Dinitro-2-methylphenol    | ND        | 0.41     | 1.2    | -       | -          | -            |

(Cont.)



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/29/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC47

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298571

**Extraction Method:** SW3550B

**Analytical Method:** SW8270E

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298571

### QC Summary Report for SW8270E

| Analyte                         | MB Result | MDL     | RL     | SPK Val | MB SS %REC | MB SS Limits |
|---------------------------------|-----------|---------|--------|---------|------------|--------------|
| 2,4-Dinitrophenol               | ND        | 0.11    | 0.25   | -       | -          | -            |
| 2,4-Dinitrotoluene              | ND        | 0.0036  | 0.012  | -       | -          | -            |
| 2,6-Dichlorophenol              | ND        | 0.0032  | 0.012  | -       | -          | -            |
| 2,6-Dinitrotoluene              | ND        | 0.0078  | 0.012  | -       | -          | -            |
| Di-n-octyl Phthalate            | ND        | 0.20    | 0.62   | -       | -          | -            |
| 1,2-Diphenylhydrazine           | ND        | 0.038   | 0.25   | -       | -          | -            |
| Fluoranthene                    | ND        | 0.00079 | 0.0025 | -       | -          | -            |
| Fluorene                        | ND        | 0.0010  | 0.0025 | -       | -          | -            |
| Hexachlorobenzene               | ND        | 0.0012  | 0.0013 | -       | -          | -            |
| Hexachlorobutadiene             | ND        | 0.00019 | 0.0013 | -       | -          | -            |
| Hexachlorocyclopentadiene       | ND        | 0.52    | 1.2    | -       | -          | -            |
| Hexachloroethane                | ND        | 0.00062 | 0.0025 | -       | -          | -            |
| Indeno (1,2,3-cd) pyrene        | ND        | 0.0016  | 0.0025 | -       | -          | -            |
| Isophorone                      | ND        | 0.069   | 0.25   | -       | -          | -            |
| 1-Methylnaphthalene             | ND        | 0.00033 | 0.0013 | -       | -          | -            |
| 2-Methylnaphthalene             | ND        | 0.00048 | 0.0013 | -       | -          | -            |
| 2-Methylphenol (o-Cresol)       | ND        | 0.060   | 0.25   | -       | -          | -            |
| 3 & 4-Methylphenol (m,p-Cresol) | ND        | 0.046   | 0.25   | -       | -          | -            |
| Naphthalene                     | ND        | 0.00042 | 0.0025 | -       | -          | -            |
| 2-Nitroaniline                  | ND        | 0.31    | 1.2    | -       | -          | -            |
| 3-Nitroaniline                  | ND        | 0.24    | 1.2    | -       | -          | -            |
| 4-Nitroaniline                  | ND        | 0.28    | 1.2    | -       | -          | -            |
| Nitrobenzene                    | ND        | 0.055   | 0.25   | -       | -          | -            |
| 2-Nitrophenol                   | ND        | 0.31    | 1.2    | -       | -          | -            |
| 4-Nitrophenol                   | ND        | 0.35    | 1.2    | -       | -          | -            |
| N-Nitrosodimethylamine          | ND        | 0.22    | 1.2    | -       | -          | -            |
| N-Nitrosodi-n-propylamine       | ND        | 0.079   | 0.25   | -       | -          | -            |
| N-Nitrosodiphenylamine          | ND        | 0.029   | 0.25   | -       | -          | -            |
| Pentachlorophenol               | ND        | 0.029   | 0.062  | -       | -          | -            |
| Phenanthrene                    | ND        | 0.00068 | 0.0013 | -       | -          | -            |
| Phenol                          | ND        | 0.0018  | 0.010  | -       | -          | -            |
| Pyrene                          | ND        | 0.00063 | 0.0013 | -       | -          | -            |
| Pyridine                        | ND        | 0.046   | 0.25   | -       | -          | -            |
| 2,3,4,6-Tetrachlorophenol       | ND        | 0.079   | 0.25   | -       | -          | -            |
| 1,2,4-Trichlorobenzene          | ND        | 0.046   | 0.25   | -       | -          | -            |
| 2,4,5-Trichlorophenol           | ND        | 0.00059 | 0.0025 | -       | -          | -            |
| 2,4,6-Trichlorophenol           | ND        | 0.00057 | 0.0025 | -       | -          | -            |

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## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/29/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC47

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298571

**Extraction Method:** SW3550B

**Analytical Method:** SW8270E

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298571

### QC Summary Report for SW8270E

| Analyte                   | MB<br>Result | MDL | RL | SPK<br>Val | MB SS<br>%REC | MB SS<br>Limits |
|---------------------------|--------------|-----|----|------------|---------------|-----------------|
| <b>Surrogate Recovery</b> |              |     |    |            |               |                 |
| 2-Fluorophenol            | 1.2          |     |    | 1.25       | 97            | 60-130          |
| Phenol-d5                 | 1.1          |     |    | 1.25       | 91            | 50-130          |
| Nitrobenzene-d5           | 1.2          |     |    | 1.25       | 95            | 60-130          |
| 2-Fluorobiphenyl          | 1.3          |     |    | 1.25       | 101           | 60-130          |
| 2,4,6-Tribromophenol      | 0.86         |     |    | 1.25       | 69            | 50-130          |
| 4-Terphenyl-d14           | 1.4          |     |    | 1.25       | 108           | 50-130          |



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/29/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC47

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298571

**Extraction Method:** SW3550B

**Analytical Method:** SW8270E

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298571

### QC Summary Report for SW8270E

| Analyte                       | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD     | RPD<br>Limit |
|-------------------------------|---------------|----------------|------------|-------------|--------------|--------------------|---------|--------------|
| Acenaphthene                  | 0.050         | 0.051          | 0.062      | 80          | 81           | 60-130             | 1.53    | 30           |
| Acenaphthylene                | 0.052         | 0.053          | 0.062      | 83          | 84           | 60-130             | 1.97    | 30           |
| Acetochlor                    | 1.1           | 1.1            | 1.25       | 85          | 87           | 60-130             | 2.13    | 30           |
| Anthracene                    | 0.055         | 0.055          | 0.062      | 88          | 88           | 60-130             | 0.0363  | 30           |
| Benzidine                     | 1.7           | 1.6            | 6.25       | 28          | 26           | 20-130             | 6.73    | 30           |
| Benzo (a) anthracene          | 0.057         | 0.057          | 0.062      | 91          | 91           | 70-130             | 0.688   | 30           |
| Benzo (a) pyrene              | 0.053         | 0.052          | 0.062      | 85          | 83           | 70-130             | 2.11    | 30           |
| Benzo (b) fluoranthene        | 0.058         | 0.057          | 0.062      | 93          | 91           | 60-130             | 2.63    | 30           |
| Benzo (g,h,i) perylene        | 0.054         | 0.053          | 0.062      | 87          | 85           | 70-130             | 1.36    | 30           |
| Benzo (k) fluoranthene        | 0.063         | 0.062          | 0.062      | 100         | 99           | 70-130             | 0.783   | 30           |
| Benzoic Acid                  | 4.8           | 4.8            | 6.25       | 77          | 76           | 15-130             | 0.635   | 30           |
| Benzyl Alcohol                | 4.6           | 4.5            | 6.25       | 74          | 73           | 70-130             | 2.21    | 30           |
| 1,1-Biphenyl                  | 0.053         | 0.054          | 0.062      | 85          | 87           | 60-130             | 1.99    | 30           |
| Bis (2-chloroethoxy) Methane  | 1.1           | 1.1            | 1.25       | 84          | 84           | 70-130             | 0.0592  | 30           |
| Bis (2-chloroethyl) Ether     | 0.049         | 0.048          | 0.062      | 78          | 77           | 60-130             | 0.849   | 30           |
| Bis (2-chloroisopropyl) Ether | 0.047         | 0.046          | 0.062      | 75          | 74           | 60-130             | 1.78    | 30           |
| Bis (2-ethylhexyl) Adipate    | 1.2           | 1.2            | 1.25       | 100         | 97           | 60-130             | 3.15    | 30           |
| Bis (2-ethylhexyl) Phthalate  | 0.057         | 0.054          | 0.062      | 91          | 87           | 60-130             | 4.73    | 30           |
| 4-Bromophenyl Phenyl Ether    | 1.1           | 1.1            | 1.25       | 87          | 88           | 60-130             | 1.46    | 30           |
| Butylbenzyl Phthalate         | 0.061         | 0.059          | 0.062      | 97          | 94           | 60-130             | 3.51    | 30           |
| 4-Chloro-3-methylphenol       | 1.0           | 1.0            | 1.25       | 83          | 83           | 70-130             | 0.00721 | 30           |
| 4-Chloroaniline               | 0.039         | 0.038          | 0.062      | 62          | 61           | 40-130             | 1.31    | 30           |
| 2-Chloronaphthalene           | 1.1           | 1.1            | 1.25       | 87          | 88           | 60-130             | 0.743   | 30           |
| 2-Chlorophenol                | 0.051         | 0.050          | 0.062      | 82          | 80           | 60-130             | 2.28    | 30           |
| 4-Chlorophenyl Phenyl Ether   | 1.0           | 1.0            | 1.25       | 81          | 84           | 70-130             | 3.36    | 30           |
| Chrysene                      | 0.057         | 0.059          | 0.062      | 91          | 94           | 70-130             | 3.45    | 30           |
| Dibenzo (a,h) anthracene      | 0.050         | 0.047          | 0.062      | 80          | 76           | 70-130             | 5.34    | 30           |
| Dibenzofuran                  | 0.050         | 0.051          | 0.062      | 80          | 82           | 60-130             | 1.52    | 30           |
| Di-n-butyl Phthalate          | 0.052         | 0.052          | 0.062      | 83          | 83           | 60-130             | 0.504   | 30           |
| 1,2-Dichlorobenzene           | 0.96          | 0.96           | 1.25       | 76          | 77           | 60-130             | 0.400   | 30           |
| 1,3-Dichlorobenzene           | 0.94          | 0.93           | 1.25       | 76          | 75           | 60-130             | 1.28    | 30           |
| 1,4-Dichlorobenzene           | 0.94          | 0.94           | 1.25       | 75          | 76           | 60-130             | 0.294   | 30           |
| 3,3-Dichlorobenzidine         | 0.040         | 0.038          | 0.062      | 64          | 61           | 40-130             | 5.30    | 30           |
| 2,4-Dichlorophenol            | 0.059         | 0.058          | 0.062      | 94          | 93           | 60-130             | 0.345   | 30           |
| Diethyl Phthalate             | 0.054         | 0.055          | 0.062      | 86          | 87           | 70-130             | 1.84    | 30           |
| 2,4-Dimethylphenol            | 1.1           | 1.1            | 1.25       | 87          | 88           | 70-130             | 2.16    | 30           |
| Dimethyl Phthalate            | 0.049         | 0.050          | 0.062      | 79          | 80           | 70-130             | 1.52    | 30           |
| 4,6-Dinitro-2-methylphenol    | 4.6           | 4.6            | 6.25       | 74          | 73           | 20-130             | 1.35    | 30           |

(Cont.)



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/29/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC47

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298571

**Extraction Method:** SW3550B

**Analytical Method:** SW8270E

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298571

### QC Summary Report for SW8270E

| Analyte                         | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD   | RPD<br>Limit |
|---------------------------------|---------------|----------------|------------|-------------|--------------|--------------------|-------|--------------|
| 2,4-Dinitrophenol               | 0.40          | 0.39           | 1.25       | 32          | 31           | 15-130             | 2.15  | 30           |
| 2,4-Dinitrotoluene              | 0.054         | 0.054          | 0.062      | 86          | 86           | 70-130             | 0.318 | 30           |
| 2,6-Dichlorophenol              | 0.054         | 0.054          | 0.062      | 86          | 87           | 60-130             | 0.428 | 30           |
| 2,6-Dinitrotoluene              | 0.050         | 0.051          | 0.062      | 80          | 81           | 60-130             | 1.17  | 30           |
| Di-n-octyl Phthalate            | 1.2           | 1.2            | 1.25       | 96          | 92           | 60-130             | 4.12  | 30           |
| 1,2-Diphenylhydrazine           | 1.2           | 1.1            | 1.25       | 92          | 91           | 60-130             | 0.898 | 30           |
| Fluoranthene                    | 0.051         | 0.051          | 0.062      | 82          | 82           | 70-130             | 0.155 | 30           |
| Fluorene                        | 0.054         | 0.055          | 0.062      | 87          | 88           | 60-130             | 1.21  | 30           |
| Hexachlorobenzene               | 0.056         | 0.055          | 0.062      | 89          | 87           | 70-130             | 1.65  | 30           |
| Hexachlorobutadiene             | 0.056         | 0.056          | 0.062      | 90          | 89           | 70-130             | 1.07  | 30           |
| Hexachlorocyclopentadiene       | 5.0           | 5.0            | 6.25       | 80          | 80           | 60-130             | 0.205 | 30           |
| Hexachloroethane                | 0.049         | 0.048          | 0.062      | 79          | 76           | 70-130             | 3.38  | 30           |
| Indeno (1,2,3-cd) pyrene        | 0.051         | 0.051          | 0.062      | 82          | 81           | 70-130             | 0.955 | 30           |
| Isophorone                      | 1.3           | 1.3            | 1.25       | 102         | 101          | 60-130             | 0.280 | 30           |
| 1-Methylnaphthalene             | 0.055         | 0.055          | 0.062      | 88          | 88           | 70-130             | 0.319 | 30           |
| 2-Methylnaphthalene             | 0.056         | 0.056          | 0.062      | 90          | 89           | 70-130             | 0.152 | 30           |
| 2-Methylphenol (o-Cresol)       | 0.99          | 1.0            | 1.25       | 79          | 82           | 60-130             | 3.83  | 30           |
| 3 & 4-Methylphenol (m,p-Cresol) | 0.95          | 0.97           | 1.25       | 76          | 78           | 60-130             | 2.47  | 30           |
| Naphthalene                     | 0.054         | 0.054          | 0.062      | 86          | 86           | 70-130             | 0.270 | 30           |
| 2-Nitroaniline                  | 5.3           | 5.3            | 6.25       | 85          | 85           | 70-130             | 0.331 | 30           |
| 3-Nitroaniline                  | 3.1           | 3.1            | 6.25       | 50          | 50           | 50-130             | 1.09  | 30           |
| 4-Nitroaniline                  | 4.6           | 4.6            | 6.25       | 74          | 74           | 60-130             | 0.912 | 30           |
| Nitrobenzene                    | 1.1           | 1.1            | 1.25       | 91          | 90           | 60-130             | 1.09  | 30           |
| 2-Nitrophenol                   | 5.7           | 5.7            | 6.25       | 91          | 91           | 70-130             | 0.149 | 30           |
| 4-Nitrophenol                   | 4.2           | 4.2            | 6.25       | 68          | 68           | 60-130             | 0.337 | 30           |
| N-Nitrosodimethylamine          | 4.5           | 4.5            | 6.25       | 73          | 72           | 70-130             | 1.11  | 30           |
| N-Nitrosodi-n-propylamine       | 0.94          | 0.88           | 1.25       | 75          | 71           | 60-130             | 6.06  | 30           |
| N-Nitrosodiphenylamine          | 1.1           | 1.1            | 1.25       | 87          | 88           | 70-130             | 1.18  | 30           |
| Pentachlorophenol               | 0.25          | 0.24           | 0.31       | 79          | 76           | 50-130             | 3.41  | 30           |
| Phenanthrene                    | 0.056         | 0.055          | 0.062      | 89          | 88           | 60-130             | 0.549 | 30           |
| Phenol                          | 0.20          | 0.20           | 0.25       | 82          | 82           | 60-130             | 0.411 | 30           |
| Pyrene                          | 0.067         | 0.066          | 0.062      | 107         | 105          | 70-130             | 1.87  | 30           |
| Pyridine                        | 0.69          | 0.67           | 1.25       | 55,F5       | 54,F5        | 60-130             | 2.21  | 30           |
| 2,3,4,6-Tetrachlorophenol       | 0.99          | 1.0            | 1.25       | 79          | 81           | 60-130             | 2.06  | 30           |
| 1,2,4-Trichlorobenzene          | 1.1           | 1.1            | 1.25       | 87          | 87           | 60-130             | 0.647 | 30           |
| 2,4,5-Trichlorophenol           | 0.051         | 0.051          | 0.062      | 82          | 82           | 60-130             | 0.189 | 30           |
| 2,4,6-Trichlorophenol           | 0.048         | 0.048          | 0.062      | 78          | 77           | 60-130             | 0.373 | 30           |

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## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/29/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC47

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298571

**Extraction Method:** SW3550B

**Analytical Method:** SW8270E

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298571

### QC Summary Report for SW8270E

| Analyte                   | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD  | RPD<br>Limit |
|---------------------------|---------------|----------------|------------|-------------|--------------|--------------------|------|--------------|
| <b>Surrogate Recovery</b> |               |                |            |             |              |                    |      |              |
| 2-Fluorophenol            | 1.1           | 1.1            | 1.25       | 87          | 86           | 70-130             | 1.25 | 30           |
| Phenol-d5                 | 1.0           | 1.0            | 1.25       | 82          | 83           | 70-130             | 1.83 | 30           |
| Nitrobenzene-d5           | 1.2           | 1.1            | 1.25       | 93          | 90           | 60-130             | 2.78 | 30           |
| 2-Fluorobiphenyl          | 1.1           | 1.1            | 1.25       | 85          | 88           | 60-130             | 2.89 | 30           |
| 2,4,6-Tribromophenol      | 1.2           | 1.1            | 1.25       | 93          | 91           | 30-130             | 2.60 | 30           |
| 4-Terphenyl-d14           | 1.3           | 1.3            | 1.25       | 105         | 104          | 40-130             | 1.37 | 30           |



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** ICP-MS4

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298508

**Extraction Method:** SW3050B

**Analytical Method:** SW6020

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298508

### QC Summary Report for Metals

| Analyte                   | MB Result | MDL   | RL    | SPK Val | MB SS %REC | MB SS Limits |
|---------------------------|-----------|-------|-------|---------|------------|--------------|
| Antimony                  | ND        | 0.10  | 0.50  | -       | -          | -            |
| Arsenic                   | ND        | 0.084 | 0.50  | -       | -          | -            |
| Barium                    | ND        | 0.73  | 5.0   | -       | -          | -            |
| Beryllium                 | ND        | 0.086 | 0.50  | -       | -          | -            |
| Cadmium                   | ND        | 0.080 | 0.50  | -       | -          | -            |
| Chromium                  | ND        | 0.17  | 0.50  | -       | -          | -            |
| Cobalt                    | ND        | 0.063 | 0.50  | -       | -          | -            |
| Copper                    | ND        | 0.19  | 0.50  | -       | -          | -            |
| Lead                      | ND        | 0.089 | 0.50  | -       | -          | -            |
| Mercury                   | ND        | 0.039 | 0.050 | -       | -          | -            |
| Molybdenum                | ND        | 0.093 | 0.50  | -       | -          | -            |
| Nickel                    | ND        | 0.28  | 0.50  | -       | -          | -            |
| Selenium                  | ND        | 0.21  | 0.50  | -       | -          | -            |
| Silver                    | ND        | 0.084 | 0.50  | -       | -          | -            |
| Thallium                  | ND        | 0.073 | 0.50  | -       | -          | -            |
| Vanadium                  | ND        | 0.097 | 0.50  | -       | -          | -            |
| Zinc                      | ND        | 1.8   | 5.0   | -       | -          | -            |
| <b>Surrogate Recovery</b> |           |       |       |         |            |              |
| Terbium                   | 540       |       |       | 500     | 109        | 70-130       |

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CA ELAP 1644 • NELAP 4033ORELAP



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** ICP-MS4

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298508

**Extraction Method:** SW3050B

**Analytical Method:** SW6020

**Unit:** mg/kg

**Sample ID:** MB/LCS/LCSD-298508

### QC Summary Report for Metals

| Analyte                   | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD   | RPD<br>Limit |
|---------------------------|---------------|----------------|------------|-------------|--------------|--------------------|-------|--------------|
| Antimony                  | 50            | 51             | 50         | 100         | 102          | 75-125             | 1.82  | 20           |
| Arsenic                   | 53            | 54             | 50         | 106         | 108          | 75-125             | 1.43  | 20           |
| Barium                    | 520           | 530            | 500        | 104         | 107          | 75-125             | 2.15  | 20           |
| Beryllium                 | 54            | 54             | 50         | 107         | 109          | 75-125             | 1.36  | 20           |
| Cadmium                   | 53            | 53             | 50         | 105         | 106          | 75-125             | 0.905 | 20           |
| Chromium                  | 52            | 53             | 50         | 104         | 106          | 75-125             | 2.05  | 20           |
| Cobalt                    | 50            | 51             | 50         | 100         | 102          | 75-125             | 1.52  | 20           |
| Copper                    | 54            | 54             | 50         | 108         | 109          | 75-125             | 0.763 | 20           |
| Lead                      | 50            | 51             | 50         | 101         | 103          | 75-125             | 2.26  | 20           |
| Mercury                   | 1.4           | 1.4            | 1.25       | 108         | 109          | 75-125             | 0.735 | 20           |
| Molybdenum                | 51            | 52             | 50         | 103         | 104          | 75-125             | 1.59  | 20           |
| Nickel                    | 53            | 53             | 50         | 106         | 107          | 75-125             | 0.334 | 20           |
| Selenium                  | 53            | 54             | 50         | 106         | 108          | 75-125             | 1.77  | 20           |
| Silver                    | 50            | 50             | 50         | 99          | 100          | 75-125             | 0.960 | 20           |
| Thallium                  | 53            | 54             | 50         | 105         | 108          | 75-125             | 3.02  | 20           |
| Vanadium                  | 52            | 54             | 50         | 104         | 107          | 75-125             | 3.71  | 20           |
| Zinc                      | 530           | 530            | 500        | 106         | 107          | 75-125             | 0.501 | 20           |
| <b>Surrogate Recovery</b> |               |                |            |             |              |                    |       |              |
| Terbium                   | 540           | 550            | 500        | 108         | 110          | 70-130             | 1.47  | 20           |





## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC19

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298500

**Extraction Method:** SW5035

**Analytical Method:** SW8021B/8015Bm

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298500

### QC Summary Report for SW8021B/8015Bm

| Analyte         | MB Result | MDL     | RL     | SPK Val | MB SS %REC | MB SS Limits |
|-----------------|-----------|---------|--------|---------|------------|--------------|
| TPH(g) (C6-C12) | ND        | 0.48    | 1.0    | -       | -          | -            |
| MTBE            | ND        | 0.0025  | 0.050  | -       | -          | -            |
| Benzene         | ND        | 0.0014  | 0.0050 | -       | -          | -            |
| Toluene         | ND        | 0.0021  | 0.0050 | -       | -          | -            |
| Ethylbenzene    | ND        | 0.00093 | 0.0050 | -       | -          | -            |
| m,p-Xylene      | ND        | 0.0024  | 0.010  | -       | -          | -            |
| o-Xylene        | ND        | 0.00090 | 0.0050 | -       | -          | -            |

#### Surrogate Recovery

|                 |       |  |  |     |    |        |
|-----------------|-------|--|--|-----|----|--------|
| 2-Fluorotoluene | 0.094 |  |  | 0.1 | 94 | 75-120 |
|-----------------|-------|--|--|-----|----|--------|

| Analyte      | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD   | RPD Limit |
|--------------|------------|-------------|---------|----------|-----------|-----------------|-------|-----------|
| TPH(btex)    | 0.50       | 0.52        | 0.60    | 83       | 86        | 75-120          | 3.91  | 20        |
| MTBE         | 0.085      | 0.085       | 0.10    | 85       | 85        | 65-120          | 0.466 | 20        |
| Benzene      | 0.091      | 0.091       | 0.10    | 91       | 91        | 75-120          | 0.533 | 20        |
| Toluene      | 0.097      | 0.10        | 0.10    | 97       | 105       | 80-120          | 7.56  | 20        |
| Ethylbenzene | 0.099      | 0.11        | 0.10    | 99       | 109       | 80-120          | 9.46  | 20        |
| m,p-Xylene   | 0.20       | 0.22        | 0.20    | 99       | 108       | 75-120          | 8.63  | 20        |
| o-Xylene     | 0.099      | 0.11        | 0.10    | 99       | 107       | 75-120          | 7.32  | 20        |

#### Surrogate Recovery

|                 |       |       |      |    |    |        |      |    |
|-----------------|-------|-------|------|----|----|--------|------|----|
| 2-Fluorotoluene | 0.091 | 0.098 | 0.10 | 91 | 98 | 75-120 | 7.62 | 20 |
|-----------------|-------|-------|------|----|----|--------|------|----|



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/27/2024

**Date Analyzed:** 07/29/2024

**Instrument:** ICP-MS4

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298553

**Extraction Method:** CA Title 22

**Analytical Method:** SW6020

**Unit:** mg/L

**Sample ID:** MB/LCS/LCSD-298553

### QC Summary Report for Metals (STLC)

| Analyte  | MB<br>Result | MDL  | RL   |   |   |   |
|----------|--------------|------|------|---|---|---|
| Chromium | ND           | 0.10 | 0.10 | - | - | - |
| Lead     | ND           | 0.10 | 0.10 | - | - | - |

| Analyte  | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD    | RPD<br>Limit |
|----------|---------------|----------------|------------|-------------|--------------|--------------------|--------|--------------|
| Chromium | 9.8           | 9.8            | 10         | 98          | 98           | 75-125             | 0.0838 | 20           |
| Lead     | 9.4           | 9.3            | 10         | 94          | 93           | 75-125             | 0.930  | 20           |



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/28/2024

**Date Analyzed:** 07/29/2024

**Instrument:** ICP-MS5

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298558

**Extraction Method:** SW1311/SW3010

**Analytical Method:** SW6020

**Unit:** mg/L

**Sample ID:** MB/LCS/LCSD-298558

### QC Summary Report for Metals (TCLP)

| Analyte  | MB<br>Result | MDL  | RL   |   |   |   |
|----------|--------------|------|------|---|---|---|
| Chromium | ND           | 0.10 | 0.10 | - | - | - |
| Lead     | ND           | 0.10 | 0.10 | - | - | - |

| Analyte  | LCS<br>Result | LCSD<br>Result | SPK<br>Val | LCS<br>%REC | LCSD<br>%REC | LCS/LCSD<br>Limits | RPD   | RPD<br>Limit |
|----------|---------------|----------------|------------|-------------|--------------|--------------------|-------|--------------|
| Chromium | 9.9           | 9.8            | 10         | 99          | 98           | 75-125             | 0.820 | 20           |
| Lead     | 10            | 10             | 10         | 101         | 101          | 75-125             | 0.107 | 20           |



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC6B, GC9b

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298524

**Extraction Method:** SW3550B/3630C

**Analytical Method:** SW8015B

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298524  
2407G54-001AMS/MSD

### QC Report for SW8015B w/ Silica Gel Clean-Up

| Analyte                 | MB Result | MDL | RL  | SPK Val | MB SS %REC | MB SS Limits |
|-------------------------|-----------|-----|-----|---------|------------|--------------|
| TPH-Diesel (C10-C23)    | ND        | 1.7 | 2.0 | -       | -          | -            |
| TPH-Motor Oil (C18-C36) | ND        | 4.3 | 10  | -       | -          | -            |

#### Surrogate Recovery

|    |    |    |    |        |
|----|----|----|----|--------|
| C9 | 24 | 25 | 96 | 70-130 |
|----|----|----|----|--------|

| Analyte              | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD  | RPD Limit |
|----------------------|------------|-------------|---------|----------|-----------|-----------------|------|-----------|
| TPH-Diesel (C10-C23) | 40         | 39          | 40      | 100      | 98        | 70-130          | 2.01 | 20        |

#### Surrogate Recovery

|    |    |    |    |    |    |        |       |    |
|----|----|----|----|----|----|--------|-------|----|
| C9 | 24 | 24 | 25 | 96 | 97 | 70-130 | 0.106 | 20 |
|----|----|----|----|----|----|--------|-------|----|

| Analyte              | MS DF | MS Result | MSD Result | SPK Val | SPKRef Val | MS %REC | MSD %REC | MS/MSD Limits | RPD  | RPD Limit |
|----------------------|-------|-----------|------------|---------|------------|---------|----------|---------------|------|-----------|
| TPH-Diesel (C10-C23) | 5     | 27        | 27         | 40      | 18.25      | 23,F1   | 21,F1    | 70-130        | 1.84 | 20        |

#### Surrogate Recovery

|    |   |    |    |    |    |    |        |      |    |
|----|---|----|----|----|----|----|--------|------|----|
| C9 | 5 | 24 | 23 | 25 | 95 | 94 | 70-130 | 1.94 | 20 |
|----|---|----|----|----|----|----|--------|------|----|



## Quality Control Report

**Client:** Yerba Buena Engineering

**Date Prepared:** 07/26/2024

**Date Analyzed:** 07/29/2024

**Instrument:** GC31B, GC9b

**Matrix:** Soil

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle  
Triage Ph 2

**WorkOrder:** 2407G54

**BatchID:** 298499

**Extraction Method:** SW3550B

**Analytical Method:** SW8015B

**Unit:** mg/Kg

**Sample ID:** MB/LCS/LCSD-298499

### QC Report for SW8015B w/out SG Clean-Up

| Analyte                   | MB Result | MDL | RL  | SPK Val | MB SS %REC | MB SS Limits |
|---------------------------|-----------|-----|-----|---------|------------|--------------|
| TPH-Diesel (C10-C23)      | ND        | 1.1 | 2.0 | -       | -          | -            |
| TPH-Motor Oil (C18-C36)   | ND        | 4.3 | 10  | -       | -          | -            |
| <b>Surrogate Recovery</b> |           |     |     |         |            |              |
| C9                        | 25        |     |     | 25      | 99         | 70-130       |

| Analyte                   | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD  | RPD Limit |
|---------------------------|------------|-------------|---------|----------|-----------|-----------------|------|-----------|
| TPH-Diesel (C10-C23)      | 39         | 40          | 40      | 97       | 99        | 70-130          | 1.93 | 20        |
| <b>Surrogate Recovery</b> |            |             |         |          |           |                 |      |           |
| C9                        | 26         | 24          | 25      | 102      | 98        | 70-130          | 4.37 | 20        |



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# CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2407G54

ClientCode: YBE

☐ EQuIS☐ Dry-Weight☐ Email☐ HardCopy☐ ThirdParty☐ J-flag☐ Detection Summary☐ Excel**Report to:**

Miguel Galarza  
Yerba Buena Engineering  
1340 Egbert Ave  
San Francisco, CA 94124  
(415) 822-4404 FAX:

Email: mgalarza@yerba-buena.net  
cc/3rd Party: fcarrillo@yerba-buena.net;  
PO: 22-033  
Project: 22-033; 22-033 SFDPW Candlestick Pt.  
Vehicle Triage Ph 2

**Bill to:**

Bob Bishop  
Yerba Buena Engineering  
1340 Egbert Ave  
San Francisco, CA 94124  
cbonilla@yerba-buena.net

**Requested TAT: 1 day;***Date Received:* 07/26/2024*Date Logged:* 07/26/2024

| Lab ID      | ClientSampleID | Matrix | Collection Date | Hold                     | Requested Tests (See legend below) |   |   |   |   |   |   |   |   |    |    |    |
|-------------|----------------|--------|-----------------|--------------------------|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|
|             |                |        |                 |                          | 1                                  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2407G54-001 | Stock Pile     | Soil   | 7/26/2024 11:00 | <input type="checkbox"/> | A                                  | A | A | A | A | A | A | A | A | A  |    |    |

**Test Legend:**

|   |            |
|---|------------|
| 1 | 8081_S     |
| 5 | G-MBTX_S   |
| 9 | TPH(DMO)_S |

|    |                 |
|----|-----------------|
| 2  | 8260_S          |
| 6  | METALSMS_STLC_S |
| 10 | TPH(DMO)WSG_S   |

|    |                 |
|----|-----------------|
| 3  | 8270_SCSM_S     |
| 7  | METALSMS_TCLP_S |
| 11 |                 |

|    |                |
|----|----------------|
| 4  | CAM17MS_TTLC_S |
| 8  | PRDisposal Fee |
| 12 |                |

**Prepared by: Valerie Alfaro****Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).  
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701  
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269  
http://www.mccampbell.com / E-mail: main@mccampbell.com

## WORK ORDER SUMMARY

**Client Name:** YERBA BUENA ENGINEERING

**Client Contact:** Miguel Galarza

**Contact's Email:** mgalarza@yerba-buena.net

**Project:** 22-033; 22-033 SFDPW Candlestick Pt. Vehicle Triage Ph  
2

**Comments:**

**Work Order:** 2407G54

**QC Level:** LEVEL 2

**Date Logged:** 7/26/2024

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☒ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

| LabID | ClientSampID | Matrix | Test Name                                  | Cont./<br>Comp. | Bottle &<br>Preservative | U**                      | Head<br>Space            | Dry-<br>Weight           | Collection Date<br>& Time | TAT    | Test Due Date | Sediment<br>Content | Hold                     | Sub<br>Out               |
|-------|--------------|--------|--------------------------------------------|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------|---------------|---------------------|--------------------------|--------------------------|
| 001A  | Stock Pile   | Soil   | SW8015B (TPH-d,mo w/ S.G. Clean-Up)        | 1               | large ziploc bag         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 7/26/2024 11:00           | 1 day  | 7/29/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |
|       |              |        | SW8015B (Diesel & Motor Oil)               |                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                           | 1 day  | 7/29/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |
|       |              |        | SW6020 (Metals) (TCLP) <Chromium,<br>Lead> |                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                           | 1 day* | 7/31/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |
|       |              |        | SW6020 (Metals) (STLC) <Chromium,<br>Lead> |                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                           | 1 day* | 7/31/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |
|       |              |        | SW8021B/8015Bm (G/MBTEX)                   |                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                           | 1 day  | 7/29/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |
|       |              |        | SW6020 (CAM 17)                            |                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                           | 1 day  | 7/29/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |
|       |              |        | SW8270E (SVOCs)                            |                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                           | 1 day  | 7/29/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |
|       |              |        | SW8260D (VOCs)                             |                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                           | 1 day  | 7/29/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |
|       |              |        | SW8081B (OC Pesticides)                    |                 |                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                           | 1 day  | 7/29/2024     |                     | <input type="checkbox"/> | <input type="checkbox"/> |

**NOTES:** \* STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U\*\* = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.

# RUSH!

2407GSC

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other  
Preservative Code: 1=4°C 2=HCl 3=H<sub>2</sub>SO<sub>4</sub> 4=HNO<sub>3</sub> 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 36.2°C Initials LC





## Sample Receipt Checklist

Client Name: Yerba Buena Engineering  
Project: 22-033; 22-033 SFDPW Candlestick Pt. Vehicle Triage Ph 2  
WorkOrder No: 2407G54 Matrix: Soil  
Carrier: Client Drop-In

Date and Time Received: 7/26/2024 14:37  
Date Logged: 7/26/2024  
Received by: Lilly Ortiz  
Logged by: Valerie Alfaro

### Chain of Custody (COC) Information

|                                                         |                                         |                             |                                        |
|---------------------------------------------------------|-----------------------------------------|-----------------------------|----------------------------------------|
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| Sample IDs noted by Client on COC?                      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| Date and Time of collection noted by Client on COC?     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| Sampler's name noted on COC?                            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| COC agrees with Quote?                                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

### Sample Receipt Information

|                                                    |                                         |                             |                                        |
|----------------------------------------------------|-----------------------------------------|-----------------------------|----------------------------------------|
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles?            | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Shipping container/cooler in good condition?       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| Samples in proper containers/bottles?              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| Sample containers intact?                          | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |
| Sufficient sample volume for indicated test?       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                        |

### Sample Preservation and Hold Time (HT) Information

|                                                                                        |                                         |                                        |                                        |
|----------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|----------------------------------------|
| All samples received within holding time?                                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | NA <input type="checkbox"/>            |
| Samples Received on Ice?                                                               | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |                                        |
| Sample/Temp Blank temperature                                                          |                                         | Temp: 36.2°C                           | NA <input type="checkbox"/>            |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |
| Sample labels checked for correct preservation?                                        | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                        |
| pH acceptable upon receipt (Metal: <2)?                                                | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |

### UCMR Samples:

|                                                                                        |                              |                             |                                        |
|----------------------------------------------------------------------------------------|------------------------------|-----------------------------|----------------------------------------|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?           | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

-----  
Comments:

# Redaction Log

| Reason                                                                        | Page (# of occurrences) | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Privacy - 7927.700 (formerly 6254(c)) and Section 7927.705 (formerly 6254(k)) | 1 (1)<br>40 (2)         | Due to privacy concerns, personal information, such as personal phone numbers, demographic information, signatures, cell numbers and email addresses, has been redacted from the documents that we are making available to you. We redacted this personal information pursuant to Section 16.130 of the San Francisco Charter, Section 7927.700 (formerly 6254(c)) and Section 7927.705 (formerly 6254(k)) of the California Public Records Act and Article 1, Section 1 of the California Constitution. |