

**ExxonMobil
Environmental Services Company**

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Jennifer C. Sedlachek
Project Manager

RECEIVED

3:09 pm, Feb 04, 2011

Alameda County
Environmental Health

ExxonMobil

December 20, 2010

Ms. Barbara Jakub, P.G.
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

RE: Former Exxon RAS #70104/1725 Park Street, Alameda, California.

Dear Ms. Jakub:

Attached for your review and comment is a copy of the letter report entitled *Remediation System Shut Down Notification*, dated December 20, 2010 for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details activities at the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,



Jennifer C. Sedlachek
Project Manager

Attachment: Cardno ERI's *Remediation System Shut Down Notification*, dated December 20, 2010

cc: w/ attachment
Mr. Shay Wideman, The Valero Companies, Environmental Liability Management

w/o attachment
Ms. Paula Sime, Cardno ERI



Shaping the Future

Cardno ERI
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December 20, 2010
Cardno ERI 250614.L44

Ms. Jennifer C. Sedlachek
ExxonMobil Environmental Services
4096 Piedmont Avenue #194
Oakland, California 94611

SUBJECT Remediation System Shut Down Notification
Former Exxon Service Station 70104
1725 Park Street, Alameda, California

Ms. Sedlachek:

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI evaluated operational data for the groundwater pump and treat system (GWPTS) and air sparge/soil vapor extraction (AS/SVE) system at the subject site. Cardno ERI is submitting this notification to the Alameda County Health Care Services Agency, Department of Environmental Health that operation of the remediation systems will be discontinued on December 29, 2010.

Cardno ERI operates and maintains a GWPTS and an AS/SVE system at the subject site. The AS/SVE system extracts and treats soil vapor from beneath the subject site. The vapor extraction system consists of an 8.5-horsepower regenerative blower and three 500-pound granular activated carbon vessels connected in series for vapor abatement. Mass removal for the AS/SVE system has been asymptotic since 2007, and is no longer recovering fuel hydrocarbons effectively. Influent concentrations of vapor-phase hydrocarbons have shown consistent decreasing trends and have stabilized at levels near or below laboratory reporting limits (Graph 1).

The GWPTS system extracts and treats groundwater from beneath the subject site using five pneumatic down-well pumps. Groundwater is passed through a sediment filter and three 500-pound granular activated carbons prior to being discharge to the sanitary sewer. Influent concentrations of dissolved-phase hydrocarbons have shown decreasing trends and the hydrocarbon mass recovery rate no longer justifies operation of the system (Graph 2).

Based on this evaluation of the site data, Cardno ERI intends to shut down the GWPTS and AS/DPE system at the site on December 29, 2010, and evaluate the site for alternative remedial methods.

December 20, 2010
Cardno ERI 250614.L44 Former Exxon Service Station 70246, Richmond, California

Please call Ms. Paula Sime, Cardno ERI's project manager for this site, at (707) 766-2000 if you have any questions or concerns.

Sincerely,

SCANNED
IMAGE
[Handwritten signature]

Matthew T. Herman
Project Engineer
for Cardno ERI
707 766 2000
Email: matt.herman@cardno.com

SCANNED
IMAGE
[Handwritten signature]

Heidi L. Dieffenbach-Carle
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707 766 2000
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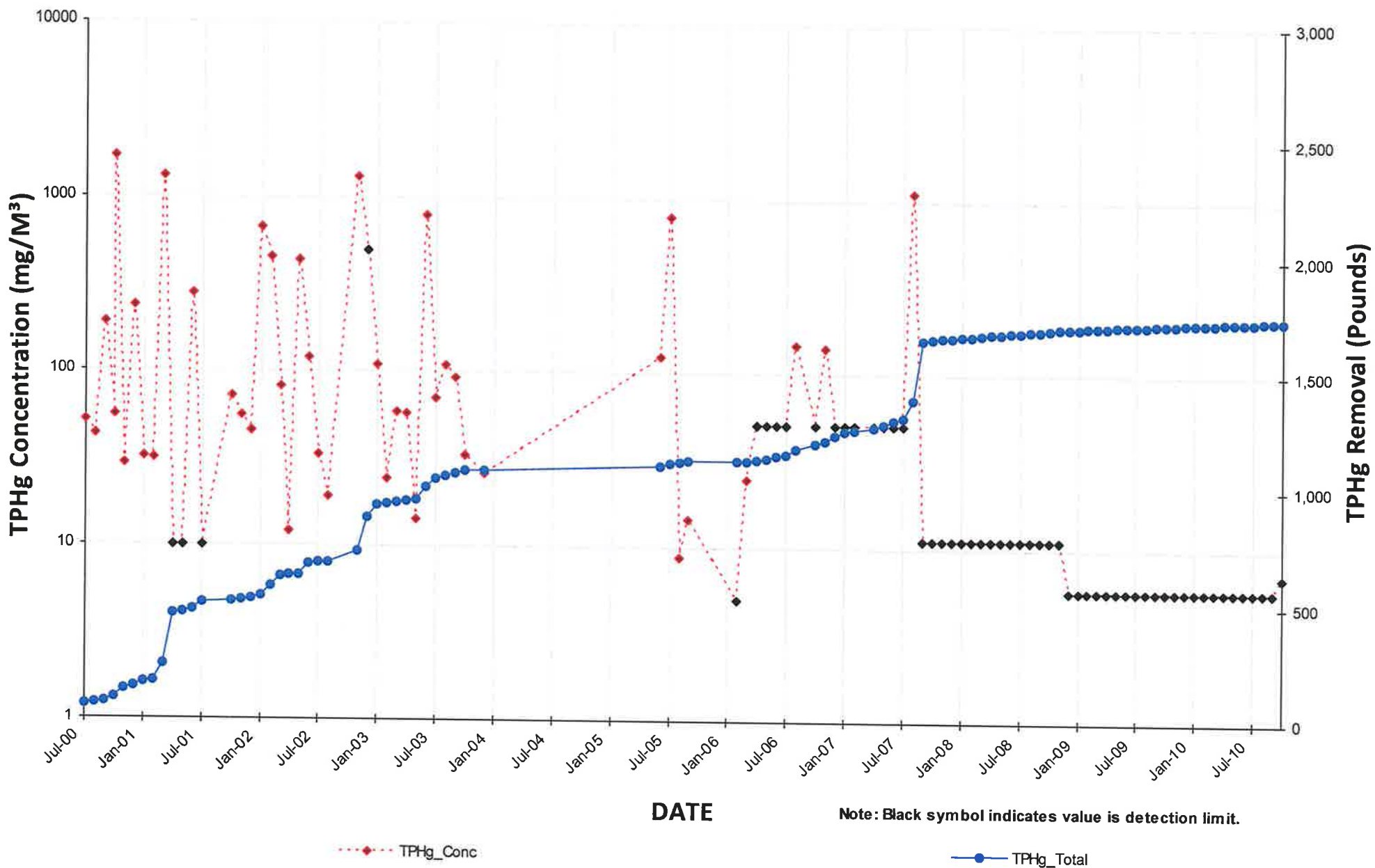


Enclosures:

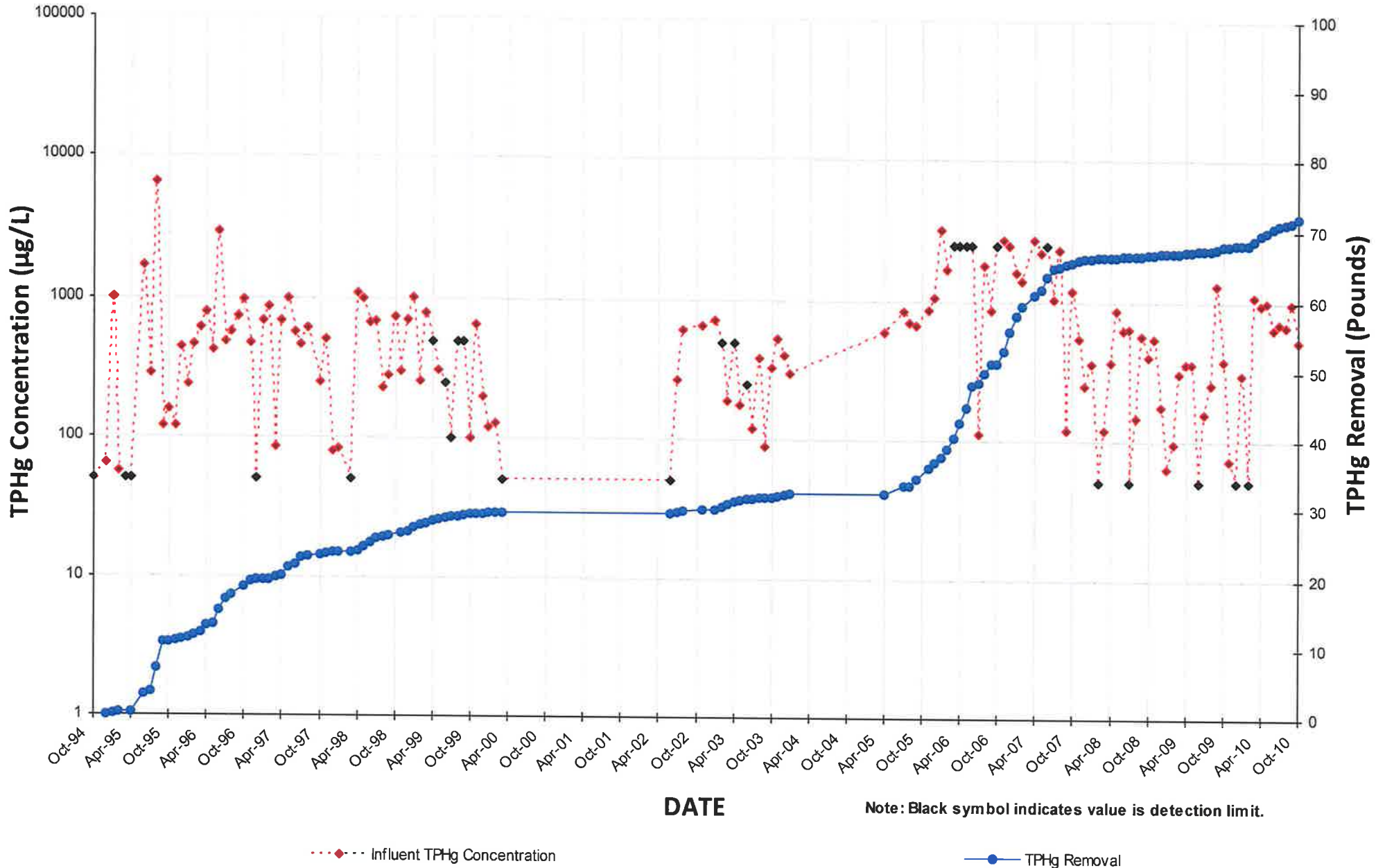
- Graph 1 TPHg Concentration and Removal by Dual-Phase Extraction System – Vapor Phase
- Graph 2 TPHg Concentration and Removal by Dual-Phase Extraction System – Liquid Phase
- Table 1 Operation and Performance Data for Dual-Phase Extraction System, Vapor-Phase
- Table 2 Operation and Performance Data for Dual-Phase Extraction System, Liquid-Phase

cc: Ms. Barbara Jakub, Alameda County Health Care Services Agency, Department of Environmental Health
Mr. Shay Wideman, The Valero Companies, Environmental Liability Management

GRAPH 1
TPHg CONCENTRATION AND REMOVAL BY AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
 Former Exxon Service Station 70104
 1725 Park Street
 Alameda, California



GRAPH 2
TPHg CONCENTRATION AND REMOVAL BY GROUNDWATER PUMP AND TREAT SYSTEM
 Former Exxon Service Station 70104
 1725 Park Street
 Alameda, California



Note: Black symbol indicates value is detection limit.

---◆--- Influent TPHg Concentration

—●— TPHg Removal

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | |
|----------|---|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | |
| 02/16/98 | System startup. | | | | | | | | | | | | | | | | | | | | | |
| | — | 0 | — | — | — | — | — | — | — | | | | | | | | | | | | | |
| 03/24/00 | System shutdown pending evaluation. | | | | | | | | | | | | | | | | | | | | | |
| | 12,001 | 0 | — | — | — | — | — | — | — | A-INF | — | | | | <60.80 | <60.80 | — | — | — | — | — | |
| | | | | | | | | | | A-INT2 | — | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | — | | | | | | | | | | | |
| 04/01/00 | Environmental Resolutions Inc. assumed operation of the system. | | | | | | | | | | | | | | | | | | | | | |
| 06/28/00 | System upgrades complete. System restarted. System shutdown for carbon changeout, 2 x 500-pounds. | | | | | | | | | | | | | | | | | | | | | |
| | 12,008 | 7 | 7 | — | — | — | 26 | — | — | A-INF | 770.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 18.1 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 13.3 | | | | | | | | | | | |
| 07/11/00 | System down on arrival; restart. | | | | | | | | | | | | | | | | | | | | | |
| | 12,011 | 10 | 3 | 86 | — | — | 8 | 4,000 | 85 | A-INF | 207.0 | 51 | — | <1.0 | 0.16 | <60.96 | 0.00 | 0.00 | — | — | <0.01 | |
| | | | | | | | | | | A-INT | 9.1 | <10 | — | <1.0 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <1.0 | | | | | | | | |
| 07/20/00 | System running on arrival (vapor extraction system only). System running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 12,226 | 225 | 215 | 78 | — | — | 9 | 4,500 | 97 | A-INF | 42.3 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 2.4 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 07/31/00 | System down on departure for carbon changeout (2x500-pounds). | | | | | | | | | | | | | | | | | | | | | |
| | 12,493 | 492 | 267 | 87 | — | — | 9 | 4,500 | 95 | A-INF | 266.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 73.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 41.2 | | | | | | | | | | | |
| 08/10/00 | System down on arrival for carbon changeout. System running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 12,733 | 732 | 0 | 80 | — | — | 30 | 800 | 17 | A-INF | 53.5 | 43 | — | <1 | 6.46 | <67.42 | <0.14 | 0.13 | — | — | <0.001 | |
| | | | | | | | | | | A-INT | 0.0 | <10 | — | <1 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <1 | | | | | | | | |
| 08/16/00 | 12,874 | 873 | 141 | 84 | — | — | 31.5 | 250 | 5 | A-INF | 164.1 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 08/24/00 | System down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | |
| | 13,065 | 1,064 | 191 | 76 | — | — | 20 | 2,400 | 52 | A-INF | 294.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 23.7 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 2.4 | | | | | | | | | | | |
| 09/12/00 | System down on arrival for carbon changeout. System running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 13,070 | 1,069 | 5 | 74 | — | — | 20 | 2,600 | 56 | A-INF | 247.5 | 190 | — | 2.5 | 5.39 | <72.48 | 0.08 | <0.21 | — | — | <0.00 | |
| | | | | | | | | | | A-INT | 0.0 | <10 | — | <1.0 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <1.0 | | | | | | | | |
| 09/26/00 | 13,406 | 1,405 | 336 | 80 | — | — | 22 | 2,450 | 52 | A-INF | 448.7 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 10.7 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/12/00 | System running on arrival and down on departure for carbon changeout. Samples taken. | | | | | | | | | | | | | | | | | | | | | |
| | 13,786 | 1,785 | 380 | 67 | — | — | 24 | 2,400 | 53 | A-INF | 96.4 | 55 | — | <1.0 | 17.86 | <90.66 | <0.26 | <0.46 | — | — | <0.004 | |
| | | | | | | | | | | A-INT | 72.3 | 21 | — | <1.0 | | | | | | | | |
| | | | | | | | | | | A-EFF | 9.0 | <10 | — | <1.0 | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|---|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--|--|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | |
| 10/30/00 | System down on arrival for carbon changeout. System running on departure. | | | | | | | | | | | | | | | | | | | | | | |
| | 13,788 | 1,787 | 2 | 56 | -- | -- | 24 | 2,450 | 55 | A-INF | 10,024 | 1,700 | -- | 15 | 0.35 | <91.01 | 0.00 | <0.47 | -- | -- | <0.005 | | |
| | | | | | | | | | | A-INT | 59.1 | <10 | -- | <1.0 | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | -- | <1.0 | | | | | | | | | |
| 11/08/00 | 14,008 | 2,007 | 220 | 60 | -- | -- | 25 | 2,300 | 51 | A-INF | 102.6 | 29 | -- | <1.0 | 37.69 | <128.70 | <0.35 | <0.81 | -- | -- | <0.004 | | |
| | | | | | | | | | | A-INT | 41.8 | <10 | -- | <1.0 | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | -- | <1.0 | | | | | | | | | |
| 11/21/00 | System running on arrival. System down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | | |
| | 14,314 | 2,313 | 306 | 68 | -- | -- | 25 | 2,300 | 50 | A-INF | 322.0 | | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 32.3 | | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 42.9 | | | | | | | | | | | | |
| 12/06/00 | System down on arrival for carbon changeout. System down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | | |
| 12/11/00 | System down on arrival due to carbon changeout. System running on departure. | | | | | | | | | | | | | | | | | | | | | | |
| | 14,316 | 2,315 | 2 | 52 | -- | -- | 24 | 2,400 | 54 | A-INF | 957 | 240 | -- | 2.1 | 8.15 | <136.86 | 0.09 | <0.91 | -- | -- | <0.005 | | |
| | | | | | | | | | | A-INT | 1.2 | <10 | -- | <1.0 | | | | | | | | | |
| | | | | | | | | | | A-EFF | 3.1 | <10 | -- | <1.0 | | | | | | | | | |
| 12/27/00 | 14,697 | 2,696 | 381 | 56 | -- | -- | 26 | 2,600 | 58 | A-INF | 192.1 | | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 4.8 | | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | | |
| 01/09/01 | 15,012 | 3,011 | 315 | 56 | -- | -- | 25 | 2,400 | 54 | A-INF | 82.4 | 32 | -- | <1.0 | 19.10 | <155.95 | <0.22 | <1.12 | -- | -- | <0.005 | | |
| | | | | | | | | | | A-INT | 23.2 | <10 | -- | <1.0 | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | -- | <1.0 | | | | | | | | | |
| 01/23/01 | System down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | | |
| | 15,353 | 3,352 | 341 | 60 | -- | -- | 26 | 2,300 | 51 | A-INF | 485.0 | | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 35.2 | | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 20.7 | | | | | | | | | | | | |
| 01/31/01 | 15,355 | 3,354 | 2 | 45 | -- | -- | 33 | 1,500 | 34 | A-INF | 10,000 | | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0 | | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0 | | | | | | | | | | | | |
| 02/13/01 | 15,669 | 3,668 | 314 | 56 | -- | -- | 12 | 4,000 | 90 | A-INF | 37.8 | 31 | -- | <1.0 | 5.55 | <161.50 | <0.18 | <1.31 | -- | -- | <0.008 | | |
| | | | | | | | | | | A-INT | 29.5 | <10 | -- | <1.0 | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0 | <10 | -- | <1.0 | | | | | | | | | |
| 02/27/01 | System down on departure for changeout. | | | | | | | | | | | | | | | | | | | | | | |
| | 15,999 | 3,998 | 330 | 70 | -- | -- | 8 | 4,000 | 87 | A-INF | 316 | | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 37.5 | | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 73.6 | | | | | | | | | | | | |
| 03/13/01 | System down on arrival for changeout and running on departure. Monthly samples taken. | | | | | | | | | | | | | | | | | | | | | | |
| | 16,002 | 4,001 | 3 | 65 | -- | -- | 9 | 4,000 | 88 | A-INF | 5,833 | 1,300 | -- | 6.1 | 73.60 | <235.10 | 0.39 | <1.69 | -- | -- | <0.008 | | |
| | | | | | | | | | | A-INT | 190.4 | 16 | -- | <1.0 | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0 | 11 | -- | <1.0 | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|-------|-----|-----|--------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | |
| 03/27/01 | System running on arrival and departure. | | | | 16,336 | 4,335 | 334 | 62 | --- | --- | 10 | 4,000 | 89 | A-INF | 182.6 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT | 16.8 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0 | | | | | | | | | | |
| 04/12/01 | System running on arrival and departure. | | | | 16,725 | 4,724 | 389 | 72 | --- | --- | 8 | 4,000 | 87 | A-INF | 4.8 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT | 2.6 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0 | | | | | | | | | | |
| 04/25/01 | System running on arrival and departure. | | | | 17,034 | 5,033 | 309 | 80 | --- | --- | 9 | 4,000 | 86 | A-INF | 18.6 | <10 | --- | <1.0 | <219.46 | <454.56 | <1.19 | <2.86 | --- | --- | <0.008 |
| | | | | | | | | | | | | | | A-INT | 9.5 | <10 | --- | <1.0 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0 | 26 | --- | <1.0 | | | | | | | |
| 05/09/01 | System running on arrival and departure. | | | | 17,371 | 5,370 | 337 | 86 | --- | --- | 10 | 4,000 | 85 | A-INF | 11.3 | <10 | --- | <1.0 | <1.07 | <455.64 | <0.11 | <2.99 | --- | --- | <0.007 |
| | | | | | | | | | | | | | | A-INT | 3.6 | <10 | --- | <1.0 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 5.9 | <10 | --- | <1.0 | | | | | | | |
| 05/24/01 | System running on arrival and departure. | | | | 17,734 | 5,733 | 363 | 86 | --- | --- | 20 | 3,050 | 65 | A-INF | 6.2 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT | 1.6 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 3.1 | | | | | | | | | | |
| 06/04/01 | System running on arrival and departure. | | | | 17,992 | 5,991 | 258 | 80 | --- | --- | 40 | 500 | 11 | A-INF | 496 | 280 | --- | <1.0 | 16.05 | <471.69 | <0.11 | <3.11 | --- | --- | <0.001 |
| | | | | | | | | | | | | | | A-INT | 19.7 | <10 | --- | <1.0 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 3.2 | <10 | --- | <1.0 | | | | | | | |
| 06/19/01 | System running on arrival and departure. | | | | 18,353 | 6,352 | 361 | 80 | --- | --- | 38 | 500 | 11 | A-INF | 140 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT | 6.4 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 3.0 | | | | | | | | | | |
| 07/02/01 | System running on arrival and departure. | | | | 18,660 | 6,659 | 307 | 80 | --- | --- | 38 | 500 | 11 | A-INF | 7.2 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/17/01 | System running on arrival and departure. | | | | 19,028 | 7,027 | 368 | 75 | --- | --- | 10 | 4,000 | 86 | A-INF | 0.0 | <10 | --- | <1.0 | <27.27 | <498.96 | <0.19 | <3.29 | --- | --- | <0.008 |
| | | | | | | | | | | | | | | A-INT | 0.0 | <10 | --- | <1.0 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <10 | --- | <1.0 | | | | | | | |
| 08/07/01 | System running on arrival and shut down on departure for blower failure. | | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | A-INF | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT | | | | | | | | | | | |
| 08/13/01 | System down on arrival; blower removed awaiting replacement. | | | | | | | | | | | | | | | | | | | | | | | | |
| 08/27/01 | System down awaiting blower replacement. | | | | | | | | | | | | | | | | | | | | | | | | |
| 09/10/01 | System down awaiting blower replacement. | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/18/01 | System down on arrival, installed blower, and running on departure. | | | | 19,534 | 7,533 | 506 | 120 | --- | --- | 31 | 4,000 | 80 | A-INF | 568.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT | 3.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 2.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|--|-------------|--------------------|--------------|------------|----------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|--|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF ("H2O) | Pressure ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) | |
| 10/24/01 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 19,673 | 7,672 | 139 | 80 | — | — | 41 | 3,300 | 71 | A-INF | 93.1 | 72 | — | <1.0 | 7.76 | <506.73 | <0.19 | <3.48 | — | — | <0.006 | |
| | | | | | | | | | | A-INT | 7.3 | <10 | — | <1.0 | | | | | | | | |
| | | | | | | | | | | A-EFF | 5 | <10 | — | <1.0 | | | | | | | | |
| 11/07/01 | System running on arrival and down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | |
| | 20,012 | 8,011 | 339 | 74 | — | — | 45 | 3,000 | 65 | A-INF | 230.0 | 55 | — | <1.0 | 5.46 | <512.18 | <0.09 | <3.57 | — | — | <0.005 | |
| | | | | | | | | | | A-INT | 27.0 | <10 | — | <1.0 | | | | | | | | |
| | | | | | | | | | | A-EFF | 5.1 | <10 | — | <1.0 | | | | | | | | |
| 11/21/01 | System running on arrival and down on departure for carbon changeout. Samples taken. | | | | | | | | | | | | | | | | | | | | | |
| | 20,012 | 8,011 | 0 | 150 | — | — | 45 | 3,000 | 57 | A-INF | 373.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0 | | | | | | | | | | | |
| 12/12/01 | System down on arrival, knockout tank High/High (H/H), and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 20,361 | 8,360 | 349 | 142 | — | — | 46 | 3,000 | 58 | A-INF | 98.1 | 45 | — | 1.3 | 4.00 | <516.18 | 0.09 | <3.66 | — | — | <0.005 | |
| | | | | | | | | | | A-INT | 1.0 | <10 | — | <1.0 | | | | | | | | |
| | | | | | | | | | | A-EFF | 2.7 | <10 | — | <1.0 | | | | | | | | |
| 12/27/01 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 20,508 | 8,507 | 147 | 142 | — | — | 44 | 2,400 | 46 | A-INF | 2,396 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 2.4 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0 | | | | | | | | | | | |
| 01/09/02 | System down on arrival, knockout tank H/H, and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 20,541 | 8,540 | 33 | 148 | — | — | 42 | 2,700 | 51 | A-INF | 794.5 | 670 | — | 8.0 | 13.10 | <529.28 | 0.17 | <3.82 | — | — | <0.004 | |
| | | | | | | | | | | A-INT | 36.2 | <10 | — | <1.0 | | | | | | | | |
| | | | | | | | | | | A-EFF | 2 | <10 | — | <1.0 | | | | | | | | |
| 01/23/02 | System running on arrival and down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | |
| | 20,876 | 8,875 | 335 | 136 | — | — | 45 | 3,800 | 74 | A-INF | 41.2 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 8.3 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 7.2 | | | | | | | | | | | |
| 02/06/02 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 20,877 | 8,876 | 1 | 50 | — | — | 50 | 3,000 | 68 | A-INF | 260 | 458 | — | 24.5 | 42.27 | <571.55 | 1.22 | <4.92 | — | — | <0.003 | |
| | | | | | | | | | | A-INT | 4.9 | <5.00 | — | <0.500 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.1 | <5.00 | — | <0.500 | | | | | | | | |
| 02/21/02 | System running on arrival and on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 21,237 | 9,236 | 360 | 158 | — | — | 50 | 2,600 | 49 | A-INF | 189.8 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 4.7 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 03/06/02 | System running on arrival and on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 21,549 | 9,548 | 312 | 152 | — | — | 45 | 2,800 | 53 | A-INF | 185.2 | 82.3 | — | 2.90 | 41.02 | <612.57 | 2.08 | <6.90 | — | — | <0.002 | |
| | | | | | | | | | | A-INT | 14.2 | 15.1 | — | <0.500 | | | | | | | | |
| | | | | | | | | | | A-EFF | 1.4 | 16.0 | — | <0.500 | | | | | | | | |
| 03/21/02 | System running on arrival and departure. Installed pressure gauge for field reading. | | | | | | | | | | | | | | | | | | | | | |
| | 21,913 | 9,912 | 364 | 146 | — | — | 38 | 3,200 | 61 | A-INF | 96.3 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 1.5 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 1.7 | | | | | | | | | | | |
| 04/10/02 | System running on arrival and down on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 22,393 | 10,392 | 480 | 76 | — | — | 45 | 3,200 | 69 | A-INF | 64.3 | 12.0 | — | 0.16 | 9.07 | <621.64 | 0.29 | <7.40 | — | — | <0.001 | |
| | | | | | | | | | | A-INT | 19.6 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 6 | <10 | — | <0.10 | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|---|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|--|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) | |
| 05/08/02 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 22,394 | 10,393 | 1 | 109 | — | — | 37 | 3,000 | 61 | A-INF | 354.1 | 440.0 | — | 3.2 | 0.05 | <621.69 | 0.00 | <7.43 | — | — | <0.000 | |
| | | | | | | | | | | A-INT | 16.7 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 11.9 | 10 | — | <0.10 | | | | | | | | |
| 05/16/02 | System running on arrival and on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 22,592 | 10,591 | 198 | 118 | 7 | — | 41 | 2,800 | 57 | A-INF | 98.1 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 3.9 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 3.9 | | | | | | | | | | | |
| 05/22/02 | System running on arrival and on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 22,731 | 10,730 | 139 | 118 | 7 | — | 38 | 2,800 | 57 | A-INF | 98.1 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 3.9 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 3.9 | | | | | | | | | | | |
| 06/05/02 | System running on arrival and down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | |
| | 23,068 | 11,067 | 337 | 118 | — | — | 38 | 3,000 | 60 | A-INF | 101.1 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 10.1 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 18.2 | | | | | | | | | | | |
| 06/19/02 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 23,068 | 11,067 | 0 | 76 | — | — | 9 | 3,000 | 65 | A-INF | 178.8 | 120.0 | — | 0.83 | 44.32 | <666.01 | 0.32 | <7.73 | — | — | <0.001 | |
| | | | | | | | | | | A-INT | 0.0 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <0.10 | | | | | | | | |
| 07/03/02 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 23,409 | 11,408 | 341 | 112 | — | — | 25 | 3,000 | 61 | A-INF | 62.2 | 33 | — | 0.25 | 6.11 | <672.12 | 0.04 | <7.79 | — | — | <0.001 | |
| | | | | | | | | | | A-INT | 0.0 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <0.10 | | | | | | | | |
| 07/17/02 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 23,434 | 11,433 | 25 | 109 | — | — | 70 | 3,000 | 61 | A-INF | 82.2 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 07/31/02 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 23,764 | 11,763 | 330 | 110 | — | — | 21 | 3,000 | 61 | A-INF | 16.4 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 08/14/02 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 24,103 | 12,102 | 339 | 112 | — | — | 16 | 3,000 | 61 | A-INF | 9.8 | 19 | — | 0.21 | 4.09 | <676.21 | 0.04 | <7.83 | — | — | <0.001 | |
| | | | | | | | | | | A-INT | 0.0 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <0.10 | | | | | | | | |
| 08/28/02 | System running on arrival and down departure. | | | | | | | | | | | | | | | | | | | | | |
| | 24,414 | 12,413 | 311 | 110 | — | — | 16 | 3,000 | 61 | A-INF | 16.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 11/06/02 | System down on arrival and running departure. | | | | | | | | | | | | | | | | | | | | | |
| | 24,415 | 12,414 | 1 | 106 | — | — | 26 | 3,000 | 61 | A-INF | 1282 | 1,300 | — | 12 | 46.88 | <723.10 | 0.43 | <8.24 | — | — | <0.001 | |
| | | | | | | | | | | A-INT | 0.0 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <0.10 | | | | | | | | |
| 11/20/02 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 24,754 | 12,753 | 339 | 122 | — | — | 36 | 3,300 | 66 | A-INF | 67.6 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 1.1 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|--|-------------|--------------------|--------------|------------|----------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|--|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF ("H2O) | Pressure ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) | |
| 12/04/02 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 25,084 | 13,083 | 330 | 112 | — | — | 46 | 3,200 | 65 | A-INF | 47.5 | <500 | — | <5.0 | <141.73 | <864.83 | <1.34 | <9.48 | — | — | <0.005 | |
| | | | | | | | | | | A-INT | 0.2 | <100 | — | <1.0 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <100 | — | <1.0 | | | | | | | | |
| 12/18/02 | System running on arrival and departure. Carbon changeout performed. | | | | | | | | | | | | | | | | | | | | | |
| | 25,422 | 13,421 | 668 | 112 | 7 | — | 46 | 3,000 | 62 | A-INF | 76.1 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 2.1 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 01/06/03 | System running on arrival and on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | |
| | 25,875 | 13,874 | 453 | — | — | — | 35 | 3200 | 80 | A-INF | 372.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 602.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 604.0 | | | | | | | | | | | |
| 01/15/03 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 25,875 | 13,874 | 0 | 112 | — | — | 45 | 2,800 | 57 | A-INF | 134.0 | 110 | — | 1.4 | 54.68 | <919.51 | 0.57 | <10.11 | — | — | <0.001 | |
| | | | | | | | | | | A-INT | 1.3 | 22 | — | <0.20 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <20 | — | <0.20 | | | | | | | | |
| 01/29/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 26,210 | 14,209 | 335 | 114 | — | — | 45 | 2,700 | 54 | A-INF | 56.9 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 02/12/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 26,548 | 14,547 | 338 | 110 | — | — | 44 | 2,800 | 57 | A-INF | 50.6 | 24 | — | 0.27 | 9.55 | <929.06 | 0.12 | <10.28 | — | — | <0.000 | |
| | | | | | | | | | | A-INT | 3.4 | 90 | — | 1.1 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <0.10 | | | | | | | | |
| 02/26/03 | System running on arrival and departure. Carbon changeout performed | | | | | | | | | | | | | | | | | | | | | |
| | 26,884 | 14,883 | 336 | 112 | — | — | 44 | 2,300 | 46 | A-INF | 122.9 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 1.9 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 03/12/03 | System running on arrival and departure. Carbon changeout performed | | | | | | | | | | | | | | | | | | | | | |
| | 27,218 | 15,217 | 334 | 120 | — | — | 43 | 2,600 | 52 | A-INF | 30.4 | 59 | — | 0.81 | 5.64 | <934.71 | 0.07 | <10.36 | — | — | <0.000 | |
| | | | | | | | | | | A-INT | 0.6 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.1 | <10 | — | <0.10 | | | | | | | | |
| 03/26/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 27,555 | 15,554 | 337 | 116 | — | — | 40 | 2,700 | 54 | A-INF | 12.4 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 2.5 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.1 | | | | | | | | | | | |
| 04/09/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 27,889 | 15,888 | 334 | 120 | — | — | 40 | 2,800 | 56 | A-INF | 36.0 | 57 | — | 0.36 | 7.83 | <942.53 | 0.08 | <10.45 | — | — | <0.001 | |
| | | | | | | | | | | A-INT | 2.4 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 1.0 | <10 | — | <0.10 | | | | | | | | |
| 04/23/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 28,227 | 16,226 | 338 | 113 | — | — | 39 | 2,400 | 48 | A-INF | 54.7 | | | | | | | | | | | |
| | | | | | | | | | | A-INT | 4.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 3.7 | | | | | | | | | | | |
| 05/07/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 28,563 | 16,562 | 336 | 118 | — | — | 40 | 2,500 | 50 | A-INF | 8.5 | 14 | — | 0.34 | 4.73 | <947.27 | 0.05 | <10.49 | — | — | <0.000 | |
| | | | | | | | | | | A-INT | 1.8 | <10 | — | <0.10 | | | | | | | | |
| | | | | | | | | | | A-EFF | 2.2 | <10 | — | <0.10 | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Field Measurements | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | | |
|----------|---|-------------|--------------------|--------------------|------------|----------------|-----------------|--------------|-------------|-------------------------------|------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|---------------------|---|---|---------|
| | | | | Temp (deg F) | EFF ("H2O) | Pressure ("Hg) | Vacuum (in H2O) | Vacuum (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | Per Period (pounds) | Cumulative (pounds) | | | |
| 05/21/03 | System running on arrival and departure. | | | 28,900 | 16,899 | 337 | 127 | — | — | 38 | 2,750 | 54 | A-INF | 15.8 | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT | 2.4 | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 1.3 | | | | | | | | | | |
| 06/04/03 | System running on arrival. System down on departure for carbon changeout. | | | 29,234 | 17,233 | 334 | 121 | — | — | 39 | 2,900 | 58 | A-INF | 81.2 | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT | 90.7 | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 70.2 | | | | | | | | | | |
| 06/18/03 | System down on arrival for changeout. System running on departure. | | | 29,237 | 17,236 | 3 | 120 | — | — | 39 | 2,800 | 56 | A-INF | 120.0 | 790 | — | 12 | 53.58 | <1,000.85 | 0.82 | <11.32 | — | — | <0.001 |
| | | | | | | | | | | | | | A-INT | 0.1 | <10 | — | 0.13 | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.1 | <10 | — | <0.10 | | | | | | | |
| 07/02/03 | System running on arrival and departure. | | | 29,576 | 17,575 | 339 | 120 | — | — | 38 | 3,200 | 64 | A-INF | 91.0 | 70 | — | 1.1 | 32.58 | <1,033.43 | 0.50 | <11.81 | — | — | <0.001 |
| | | | | | | | | | | | | | A-INT | 0.0 | <10 | — | <0.10 | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.1 | <10 | — | <0.10 | | | | | | | |
| 07/16/03 | System running on arrival and departure. | | | 29,910 | 17,909 | 334 | 129 | — | — | 39 | 3,150 | 62 | A-INF | 95.0 | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT | 6.6 | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 2.5 | | | | | | | | | | |
| 07/30/03 | System running on arrival. Shut down for carbon changeout. Down on departure. | | | 30,241 | 18,240 | 331 | 118 | — | — | 40 | 3,050 | 61 | A-INF | 51.7 | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT | 22.6 | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 08/13/03 | System down on arrival. Restarted. Running on departure. | | | 30,244 | 18,243 | 3 | 125 | — | — | 39 | 3,100 | 61 | A-INF | 321.0 | 110 | — | 1.9 | 14.05 | <1,047.48 | 0.23 | <12.05 | — | — | <0.001 |
| | | | | | | | | | | | | | A-INT | 5.7 | <10 | — | <0.10 | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 6.8 | 10 | — | 0.26 | | | | | | | |
| 08/27/03 | System running on arrival and departure. | | | 30,501 | 18,500 | 257 | 121 | — | — | 39 | 2,900 | 58 | A-INF | 122.6 | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT | 2.6 | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 1.5 | | | | | | | | | | |
| 09/10/03 | System running on arrival and departure. | | | 30,919 | 18,918 | 418 | 126 | — | — | 40 | 2,650 | — | A-INF | 117.0 | 93 | — | 2.4 | 14.54 | <1,062.02 | 0.31 | <12.35 | — | — | <0.0005 |
| | | | | | | | | | | | | | A-INT | 6.4 | <10 | — | <0.10 | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 3.0 | <10 | — | <0.10 | | | | | | | |
| 09/24/03 | System running on arrival and departure. | | | 31,256 | 19,255 | 337 | 120 | — | — | 38.5 | 3,150 | 63 | A-INF | 96.0 | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT | 17.0 | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.6 | | | | | | | | | | |
| 10/08/03 | System running on arrival and departure. | | | 31,587 | 19,586 | 331 | 120 | — | — | 38 | 3,000 | 60 | A-INF | 31.0 | 33 | — | 0.52 | 8.82 | <1,070.84 | 0.20 | <12.56 | — | — | <0.0005 |
| | | | | | | | | | | | | | A-INT | 1.9 | <10 | — | <0.10 | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | <10 | — | <0.10 | | | | | | | |
| 10/22/03 | System running on arrival. Shut down due to bad motor starter. | | | 31,923 | 19,922 | 336 | — | — | — | 41 | 2,700 | 68 | A-INF | 36.0 | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT | 3.0 | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 2.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | |
| 11/03/03 | System down on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| 11/12/03 | System down on arrival and departure. Replaced blower motor starter heater assembly. | | | | | | | | | | | | | | | | | | | | |
| 11/17/03 | System down on arrival, Restarted. Running on departure. | | | | | | | | | | | | | | | | | | | | |
| | 31,927 | 19,926 | 4 | 110 | — | — | 36 | 3,100 | 63 | A-INF | 262.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT | 3.1 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.2 | | | | | | | | | | |
| 12/01/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 32,263 | 20,262 | 336 | 108 | — | — | 38 | 2,800 | 57 | A-INF | 25.3 | 26 | — | 0.55 | 4.35 | <1,075.19 | 0.08 | <12.64 | — | — | <0.0005 |
| | | | | | | | | | | A-INT | 0.0 | <10 | — | <0.10 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <10 | — | <0.10 | | | | | | | |
| 12/15/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 32,600 | 20,599 | 337 | 102 | 10 | — | 32 | 3,400 | 72 | A-INF | 53.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT | 7.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 2.7 | | | | | | | | | | |
| 12/29/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 32,932 | 20,931 | 332 | 94 | 9.5 | — | 34 | 3,400 | 73 | A-INF | 46.9 | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/12/04 | System down on arrival, groundwater pump and treat transfer pump failure. System down for knockout drum replacement. | | | | | | | | | | | | | | | | | | | | |
| 01/26/04 | System down on arrival and departure, blower not starting (needs troubleshooting). | | | | | | | | | | | | | | | | | | | | |
| 02/09/04 | System retrofit complete, commencing startup with new blower and new Bay Area Air Quality Management District (BAAQMD) conditions. | | | | | | | | | | | | | | | | | | | | |
| 06/27/05 | Retrofitted system startup. | | | | | | | | | | | | | | | | | | | | |
| | 33,268 | 21,267 | 336 | 72 | 1 | — | 136.1 | 3,900 | 85 | A-INF | 185.6 | 124 | 8.63 | 11.3 | 20.00 | <1,095.18 | 1.58 | <14.22 | 0.00 | 0.00 | <0.0039 |
| | | | | | | | | | | A-INT | 0.0 | <10.2 | <0.508 | <0.508 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.6 | <10.2 | <0.508 | <0.508 | | | | | | | |
| 06/28/05 | 33,269 | 21,268 | 1 | 72 | 2 | — | 88.5 | 3,400 | 74 | A-INF | 34.1 | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/29/05 | Shut down system on departure for bi-weekly visitation request with the BAAQMD. | | | | | | | | | | | | | | | | | | | | |
| | 33,289 | 21,288 | 20 | 72 | 1 | — | 74.9 | 2,800 | 61 | A-INF | 711.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/01/05 | System down awaiting Bay Area Air Quality Management District permit modification. | | | | | | | | | | | | | | | | | | | | |
| 07/08/05 | Restart system with bi-weekly visitation frequency (BAAQMD). | | | | | | | | | | | | | | | | | | | | |
| | 33,291 | 21,290 | 2 | 70 | 2 | — | 95.3 | 3,000 | 66 | A-INF | 571.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 4.7 | | | | | | | | | | |
| 07/11/05 | Shut down system on departure for vapor-phase carbon (VPC) changeout 3@500-pounds. | | | | | | | | | | | | | | | | | | | | |
| | 33,362 | 21,361 | 71 | 79 | 1 | — | 68.1 | 4,000 | 86 | A-INF | 1,683.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT | 196.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 224.0 | | | | | | | | | | |
| 07/15/05 | Restarted system post VPC changeout. Added one more 500-pound vessel in series, three total before discharge to atmosphere. | | | | | | | | | | | | | | | | | | | | |
| | 33,363 | 21,362 | 1 | 78 | 2 | — | 108.9 | 3,000 | 65 | A-INF | 440.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Field Measurements | | | | | | Laboratory Analytical Results | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|---|-------------|--------------------|--------------------|---------------------|--------------|-----------------|------------|-------------|------------------------------------|----------------------------|---------------------------------|--------------------------------------|-------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|--|
| | | | | Temp (deg F) | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) | |
| 07/22/05 | 33,363 | 21,362 | 0 | 78 | 2 | — | 108.9 | 3,000 | 65 | A-INF A-INT1 A-INT2 A-EFF | 440.0 0.0 — 0.0 | 799 20.2 — <10.2 | 71.8 4.87 — 0.508 | 72.7 2.03 — 0.508 | 12.27 | <1,107.45 | 1.12 | <15.33 | 1.07 | 1.07 | 0.003 | |
| 07/24/05 | Responded to auto dialer callout. Shut down system, arranging for liquid-phase carbon (LPC) changeout (clogged) 3@500-pounds. | | | | | | | | | | | | | | | | | | | | | |
| | 33,462 | 21,461 | 99 | 80 | 2 | — | 108.9 | 2,600 | 56 | | | | | | | | | | | | | |
| 07/29/05 | 33,462 | 21,461 | 0 | — | — | — | — | — | — | | | | | | | | | | | | | |
| 08/05/05 | 33,462 | 21,461 | 0 | 78 | 2 | — | 108.9 | 2,800 | 60 | A-INF A-INT1 A-INT2 A-EFF | 16.0 0.0 0.0 0.0 | 8.64 <5.00 <5.00 <5.00 | 0.704 <0.500 <0.500 <0.500 | 0.855 <0.500 <0.500 <0.500 | 9.36 | <1,116.81 | 0.85 | <16.19 | 0.84 | 1.91 | <0.003 | |
| 08/12/05 | 33,470 | 21,469 | 8 | 78 | 2 | — | 108.9 | 2,600 | 56 | A-INF A-INT1 A-INT2 A-EFF | 56.0 46.0 6.0 0.0 | | | | | | | | | | | |
| 08/19/05 | 33,638 | 21,637 | 168 | 70 | 2 | — | 108.9 | 2,600 | 57 | A-INF A-INT A-EFF | 18.0 8.1 7.6 | | | | | | | | | | | |
| 08/26/05 | 33,638 | 21,637 | 0 | 70 | 2 | — | 108.9 | 2,600 | 57 | A-INF A-INT1 A-INT2 A-EFF | 56.0 0.0 0.0 0.0 | | | | | | | | | | | |
| 09/02/05 | 33,806 | 21,805 | 168 | 70 | 2 | — | 122.5 | 3,000 | 66 | A-INF A-INT1 A-INT2 A-EFF | 58.3 0.0 0.0 0.0 | | | | | | | | | | | |
| 09/09/05 | 33,974 | 21,973 | 168 | 70 | 2 | — | 122.5 | 2,600 | 57 | A-INF A-INT1 A-INT2 A-EFF | 58.3 0.0 0.0 0.0 | 14.4 <5.00 <5.00 <5.00 | <0.500 <0.500 <0.500 <0.500 | 0.520 <0.500 <0.500 <0.500 | 1.29 | <1,118.11 | 0.08 | <16.26 | <0.07 | <1.98 | <0.003 | |
| 09/16/05 | 34,142 | 22,141 | 168 | 70 | 2 | — | 108.9 | 3,600 | 79 | A-INF A-INT1 A-INT2 A-EFF | 168.0 3.0 0.0 0.0 | | | | | | | | | | | |
| 09/19/05 | 34,208 | 22,207 | 66 | 70 | 2 | — | 108.9 | 3,600 | 79 | A-INF A-INT1 A-INT2 A-EFF | — — — — | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Flow (scfm) | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|---------------------------|-------------|-----------|------------|-------------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------|---------------------------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | TPHg (mg/M ³) | | | | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | |
| 10/07/05 | 34,208 | 22,207 | 0 | 70 | 2 | — | 108.9 | 3,600 | 78 | A-INF | 6.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 21.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/14/05 | System shut down for blower repair and vapor piping size increase. | | | | | | | | | | | | | | | | | | | | | |
| | 34,335 | 22,334 | 127 | — | — | — | — | — | — | A-INF | — | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | — | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | — | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | — | | | | | | | | | | | |
| 02/23/06 | System down on arrival. Retrofit complete. Restarted. Running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 3 | 34,338 | 3 | 69 | — | — | 122.5 | 3,000 | 147 | A-INF | 12.2 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 12.1 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.8 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.4 | | | | | | | | | | | |
| 02/24/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 24 | 34,359 | 21 | 70 | 2 | — | 136 | 1,600 | 79 | A-INF | 0.0 | <5.00 | <0.500 | <0.500 | <0.95 | <1,119.06 | <0.05 | <16.31 | <0.05 | <2.03 | <0.004 | |
| | | | | | | | | | | A-INT1 | 0.0 | 27.3 | 3.24 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <5.00 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <5.00 | <0.500 | <0.500 | | | | | | | | |
| 03/03/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 191 | 34,526 | 167 | 70 | 2 | — | 136 | 1,600 | 79 | A-INF | 0.0 | 24.5a | <0.500 | <0.500 | <0.73 | <1,119.78 | <0.02 | <16.34 | <0.02 | <2.05 | <0.004 | |
| | | | | | | | | | | A-INT1 | 0.0 | 58.9 a | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | 5.00 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | 5.00 | <0.500 | <0.500 | | | | | | | | |
| 03/10/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 277 | 34,612 | 86 | 70 | 2 | — | 136 | 1,600 | 79 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 03/17/06 | System down on arrival (well box high level). Restarted. Running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 375 | 34,710 | 98 | 70 | 2 | — | 136 | 1,200 | 59 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 03/24/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 510 | 34,845 | 135 | 70 | 2 | — | 136 | 1,400 | 69 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 03/31/06 | System down on arrival (well box high level). Restarted. Running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 527 | 34,862 | 17 | 70 | 2 | — | 149.71 | 1,500 | 74 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | |
| 04/07/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 696 | 35,031 | 169 | 70 | 2 | — | 135.9 | 1,400 | 69 | A-INF | 0.0 | <50.0 | <0.500 | 0.535 | <5.20 | <1,124.98 | <0.07 | <16.41 | <0.07 | <2.12 | <0.003 | |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | 0.571 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | 70.8 a | <0.500 | <0.500 | | | | | | | | |
| 04/13/06 | System running on arrival, down on departure for carbon changeout. | | | | | | | | | | | | | | | | | | | | | |
| | 837 | 35,172 | 141 | 76 | 2 | — | 135.9 | 2,200 | 107 | A-INF | 1.5 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 43.9 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 30.3 | | | | | | | | | | | |
| 04/28/06 | System down on arrival and running on departure (carbon changeout 3@500 lbs.). | | | | | | | | | | | | | | | | | | | | | |
| | 837 | 23,171 | 0 | 76 | 2 | — | 135.9 | 1,400 | 68 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 05/05/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 1,006 | 23,340 | 169 | 70 | 2 | — | 108.7 | 1,500 | 74 | A-INF | 0.0 | b | b | b | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | b | b | b | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 05/12/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 1,172 | 23,506 | 166 | 70 | 2 | — | 122.3 | 1,500 | 74 | A-INF | 0.0 | <50.0 | <0.500 | <0.500 | <6.36 | <1,131.33 | <0.07 | <16.48 | <0.06 | <2.18 | <0.003 | |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 05/19/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 1,339 | 23,673 | 167 | 70 | 2 | — | 135.9 | 1,600 | 79 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 05/25/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 1,485 | 23,819 | 146 | 70 | 2 | — | 135.9 | 1,600 | 79 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 06/02/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 1,676 | 24,010 | 191 | 70 | 2 | — | 135.9 | 1,600 | 79 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 06/09/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 1,846 | 24,180 | 170 | 70 | 2 | — | 135.9 | 1,499 | 74 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|--|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) | |
| 06/16/06 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 1,967 | 24,301 | 121 | 70 | 2 | -- | 135.9 | 1,400 | 69 | A-INF | 0.0 | <50.0 | 2.73 | <0.500 | <10.61 | <1,141.95 | <0.11 | <16.58 | <0.34 | <2.53 | <0.003 | |
| | | | | | | | | | | A-INT1 | 0.0 | -- | -- | -- | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 06/23/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 2,134 | 24,468 | 167 | 70 | 2 | -- | 135.9 | 1,450 | 71 | A-INF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 06/30/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 2,300 | 24,634 | 166 | 70 | 2 | -- | 135.9 | 1,400 | 69 | A-INF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 07/05/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 2,424 | 24,758 | 124 | 70 | 2 | -- | 135.9 | 2,000 | 98 | A-INF | 15.7 | <50.0 | <0.500 | <0.500 | <7.15 | <1,149.10 | <0.07 | <16.65 | <0.23 | <2.76 | <0.004 | |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 07/14/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 2,644 | 24,978 | 220 | 70 | 2 | -- | 135.9 | 2,000 | 98 | A-INF | 240.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT1 | 3.2 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 07/20/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 2,804 | 25,138 | 160 | 70 | 2 | -- | 135.9 | 1,800 | 89 | A-INF | 61.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 07/28/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 2,973 | 25,307 | 169 | 70 | 2 | -- | 135.9 | 1,800 | 89 | A-INF | 56.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| 08/04/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 3,144 | 25,478 | 171 | 70 | 2 | -- | 135.9 | 1,800 | 89 | A-INF | 96.0 | 147 | 1.30 | 1.71 | <24.82 | <1,173.92 | <0.28 | <16.93 | <0.23 | <2.98 | <0.004 | |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 08/11/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 3,308 | 25,642 | 164 | 70 | 2 | -- | 135.9 | 2,200 | 108 | A-INF | 65.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|---|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|--|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) | |
| 08/18/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 3,483 | 25,817 | 175 | 70 | 2 | — | 135.9 | 2,500 | 123 | A-INF | 60.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 08/25/06 | System down on arrival (H/H moisture separator), restarted system. | | | | | | | | | | | | | | | | | | | | | |
| | 3,486 | 25,820 | 3 | 70 | 2 | — | 135.9 | 2,500 | 123 | A-INF | 56.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 09/01/06 | System running on arrival and down for LPC changeout on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 3,654 | 25,988 | 168 | 70 | 2 | — | 135.9 | 2,500 | 123 | A-INF | 27.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 09/15/06 | System down on arrival, (carbon changeout completed), restarted system. | | | | | | | | | | | | | | | | | | | | | |
| | 3,657 | 25,991 | 3 | 70 | 2 | — | 135.9 | 2,500 | 123 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 09/22/06 | System down on arrival, locked out/tagged out system for repair. | | | | | | | | | | | | | | | | | | | | | |
| 10/06/06 | 3,734 | 26,068 | 77 | 70 | 2 | — | 136.1 | 2,500 | 123 | A-INF | 30.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/13/06 | 3,742 | 26,076 | 8 | 70 | 2 | — | 136.1 | 2,500 | 123 | A-INF | 60.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/20/06 | System down on arrival. System shut down for carbon changeout. | | | | | | | | | | | | | | | | | | | | | |
| | 3,744 | 26,078 | 2 | 70 | 2 | — | — | — | — | A-INF | — | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | — | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | — | | | | | | | | | | | |
| 10/27/06 | System down on arrival for carbon changeout. System running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 3,744 | 26,078 | 0 | 70 | 2 | — | 136.1 | 2,500 | 123 | A-INF | 204.0 | <50.0 | <0.500 | <0.500 | <23.40 | <1,197.32 | <0.26 | <17.19 | <0.21 | <3.20 | <0.006 | |
| | | | | | | | | | | A-INT1 | 1.0 | <50.0 | 2.08 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 11/03/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 3,915 | 26,249 | 171 | 70 | 0 | — | 136.1 | 2,500 | 122 | A-INF | 10.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | | | | |
|----------|--|-------------|--------------------|--------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|-------|-------|--------|--|--|--|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | | | | |
| 11/10/06 | System running on arrival and departure. | | | | 4,079 | 26,413 | 164 | 100 | 2 | — | 136.1 | 2,500 | 117 | A-INF | 72.0 | 141 | 2.68 | 2.86 | <14.34 | <1,211.65 | <0.25 | <17.45 | <0.24 | <3.44 | 0.012 | | | |
| | | | | | | | | | | | | | A-INT1 | 2.0 | 65.4 | 3.46 | <0.500 | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | <50.0 | 1.31 | 0.686 | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | 1.16 | | | | | | | | | | | |
| 11/14/06 | System running on arrival and departure. | | | | 4,135 | 26,469 | 56 | 110 | 1 | — | 149.7 | 2,500 | 114 | A-INF | 53.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT1 | 1.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | | | | |
| 11/20/06 | System running on arrival and departure. | | | | 4,321 | 26,655 | 186 | 110 | 1 | — | 149.7 | 2,500 | 114 | A-INF | 63.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | | | | |
| 11/27/06 | System running on arrival and departure. | | | | 4,487 | 26,821 | 166 | 110 | 1 | — | 136.1 | 2,500 | 114 | A-INF | 63.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | | | | |
| 12/05/06 | System running on arrival and departure. | | | | 4,677 | 27,011 | 190 | 100 | 1 | 10 | 136.1 | 2,600 | 121 | A-INF | 10.0 | <50.0 | <0.500 | <0.500 | <25.35 | <1,237.00 | <0.45 | <17.89 | <0.42 | <3.86 | <0.005 | | | |
| | | | | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | | | | |
| 12/15/06 | System down on arrival and running on departure. | | | | 4,784 | 27,118 | 107 | 110 | 1 | — | 136.1 | 2,500 | 114 | A-INF | 16.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | | | | |
| 12/21/06 | System running on arrival and departure. | | | | 4,952 | 27,286 | 168 | 100 | 10 | — | 136.1 | 2,500 | 119 | A-INF | 46.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | | | | |
| 12/27/06 | System down on arrival and running on departure. | | | | 5,039 | 27,373 | 87 | 120 | 10 | 11 | 149.7 | 2,250 | 103 | A-INF | 0.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | | | | |
| 01/05/07 | System down on arrival and running on departure. | | | | 5,137 | 27,471 | 98 | 110 | 10 | 10 | 136.1 | 2,400 | 112 | A-INF | 0.0 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|---|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|--|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) | |
| 01/12/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 5,297 | 27,631 | 160 | 110 | 10 | 11 | 149.66 | 2,400 | 112 | A-INF | 10.0 | <50.0 | <0.500 | <0.500 | <13.50 | <1,250.51 | <0.14 | <18.03 | <0.14 | <3.99 | <0.005 | |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 01/19/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 5,370 | 27,704 | 73 | 110 | 10 | 10 | 136.1 | 2,400 | 112 | A-INF | 6.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 01/26/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 5,528 | 27,862 | 158 | 110 | 10 | 8 | 108.84 | 2,600 | 121 | A-INF | 1.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 02/02/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 5,696 | 28,030 | 168 | 90 | 9 | 8 | 108.8 | 2,400 | 116 | A-INF | 3.0 | <50.0 | <0.500 | <0.500 | <8.50 | <1,259.01 | <0.09 | <18.11 | <0.09 | <4.08 | <0.005 | |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 02/09/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 5,865 | 28,199 | 169 | 90 | 9 | 8 | 108.84 | 2,400 | 116 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 02/16/07 | System running on arrival and locked out/tagged out on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 6,033 | 28,367 | 168 | 110 | 0 | 8 | 108.84 | 2,400 | 109 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 02/23/07 | System locked out/tagged out on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| 03/02/07 | System locked out/tagged out on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| 03/09/07 | System locked out/tagged out on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| 04/03/07 | System locked out/tagged out on arrival, restarted, and running on departure. | | | | | | | | | | | | | | | | | | | | | |
| | 6,033 | 28,367 | 0 | 110 | 0 | 8 | 108.84 | 2,600 | 118 | A-INF | 2.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 04/12/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 6,240 | 28,574 | 207 | 90 | 0 | 8 | 108.84 | 2,600 | 123 | A-INF | 2.0 | <50.0 | <0.500 | <0.500 | <12.14 | <1,271.14 | <0.12 | <18.23 | <0.12 | <4.20 | <0.006 | |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | 0.703 | 0.888 | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | 0.646 | <0.500 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 04/20/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | | |
| | 6,430 | 28,764 | 190 | 110 | 0 | 8 | 108.84 | 2,600 | 118 | A-INF | 4.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | | |
|----------|---|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|--------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|-------|-------|--------|--|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M³) | MTBE (mg/M³) | Benzene (mg/M³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | | |
| 04/25/07 | System down on arrival and running on departure. | | | | 6,475 | 28,809 | 45 | 110 | 0 | 8 | 108.84 | 2,600 | 118 | A-INF | 4.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 05/04/07 | System down on arrival and running on departure. | | | | 6,491 | 28,825 | 16 | 110 | 0 | 8 | 108.84 | 2,600 | 118 | A-INF | 2.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 05/11/07 | System down on arrival and running on departure. | | | | 6,647 | 28,981 | 156 | 120 | 0 | 8 | 108.84 | 2,600 | 116 | A-INF | 4.0 | <50.0 | <0.500 | <0.500 | <9.10 | <1,280.25 | <0.09 | <18.32 | <0.09 | <4.29 | <0.005 | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <50.0 | 0.973 | <0.500 | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 05/17/07 | System down on arrival and running on departure. | | | | 6,760 | 29,094 | 113 | 100 | 0 | 6 | 81.63 | 2,600 | 121 | A-INF | 3.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 05/25/07 | System running on arrival and departure. | | | | 6,930 | 29,264 | 170 | 100 | 0 | 6 | 81.63 | 2,600 | 121 | A-INF | 2.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 06/08/07 | System running on arrival and shut down on departure. | | | | 7,284 | 29,618 | 354 | 100 | 0 | 6 | 81.63 | 2,600 | 121 | A-INF | 4.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 06/21/07 | System down on arrival and running on departure. | | | | 7,428 | 29,762 | 144 | 100 | 0 | 8 | 108.84 | 2,600 | 121 | A-INF | 1.0 | b | b | b | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <50.0 | 1.17 | <0.500 | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 06/29/07 | System down on arrival and running on departure. | | | | 7,615 | 29,949 | 187 | 150 | 0 | 8 | 108.84 | 2,600 | 111 | A-INF | 1.0 | <50.0 | <0.500 | <0.500 | <20.56 | <1,300.80 | <0.21 | <18.53 | <0.21 | <4.50 | <0.005 | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | 0.753 | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <50.0 | 1.81 | <0.500 | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | | |
| 07/06/07 | System down on arrival and running on departure. | | | | 7,660 | 29,994 | 45 | 150 | 0 | 7 | 95.24 | 2,400 | 102 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | |
|----------|---|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|
| | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) |
| 07/11/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | |
| | 7,703 | 30,037 | 43 | 110 | 0 | 8 | 108.84 | 2,600 | 118 | A-INF | 1.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/18/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | |
| | 7,819 | 30,153 | 116 | 80 | 0 | 6 | 81.63 | 3,000 | 144 | A-INF | 1.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/20/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | |
| | 7,858 | 30,192 | 39 | — | — | — | — | — | — | A-INF | — | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | — | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | — | | | | | | | | | | |
| | | | | | | | | | | A-EFF | — | | | | | | | | | | |
| 07/24/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 7,952 | 30,286 | 94 | 70 | 0 | 6 | 81.63 | 3,200 | 157 | A-INF | 1.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/31/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 8,120 | 30,454 | 168 | 70 | 0 | 6 | 81.63 | 3,400 | 167 | A-INF | 1.0 | <50.0 | <0.500 | <0.500 | <13.09 | <1,313.90 | <0.13 | <18.66 | <0.13 | <4.63 | 0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | b | b | b | | | | | | | |
| 08/09/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 8,337 | 30,671 | 217 | 80 | 0 | 6 | 81.63 | 3,400 | 164 | A-INF | 0.0 | 1,100 | 27.5 | 29.7 | <77.03 | <1,390.92 | <2.02 | <20.68 | <1.88 | <6.50 | <0.007 |
| | | | | | | | | | | A-INT1 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <50.0 | <0.500 | <0.500 | | | | | | | |
| 08/15/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 8,458 | 30,792 | 121 | 80 | 0 | 6 | 81.63 | 3,400 | 164 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 08/23/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 8,674 | 31,008 | 216 | 85 | 0 | 6 | 81.63 | 3,000 | 143 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 08/28/07 | System restarted on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | |
| | 8,780 | 31,114 | 106 | 85 | 0 | 6 | 81.63 | 3,000 | 143 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | |
|----------|---|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|-------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | |
| 09/07/07 | System running on arrival and departure. | | | | 100 | 0 | 6 | 81.63 | 3,600 | 167 | A-INF | 0.0 | | | | | | | | | | |
| | 9,002 | 31,336 | 222 | 100 | 0 | 6 | 81.63 | 3,600 | 167 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 09/14/07 | System running on arrival and departure. | | | | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | <11d | 0.097d | 0.0046d | <261.88 | <1,652.81 | 7.00 | <27.69 | 6.51 | <13.01 | 0.000 |
| | 9,170 | 31,504 | 168 | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | <11d | 0.097d | 0.0046d | <261.88 | <1,652.81 | 7.00 | <27.69 | 6.51 | <13.01 | 0.000 | |
| | | | | | | | | | | A-INT1 | 0.0 | <11d | 0.26d | 0.0099d | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <11d | 0.25d | 0.0055d | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <11d | <0.0072d | 0.0029d | | | | | | | | |
| 09/21/07 | System running on arrival and departure. | | | | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | |
| | 9,337 | 31,671 | 167 | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 09/28/07 | System running on arrival and departure. | | | | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | |
| | 9,505 | 31,839 | 168 | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/02/07 | System running on arrival and shut down on departure. | | | | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | |
| | 9,602 | 31,936 | 97 | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/05/07 | System restarted on arrival and running on departure. | | | | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | |
| | 9,602 | 31,936 | 0 | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/12/07 | System running on arrival and departure. | | | | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | <11 | 0.69c/0.40 | 0.013 | <3.55 | <1,656.35 | 0.00 | <27.69 | 0.13 | <13.14 | 0.000 |
| | 9,770 | 32,104 | 168 | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | <11 | 0.69c/0.40 | 0.013 | <3.55 | <1,656.35 | 0.00 | <27.69 | 0.13 | <13.14 | 0.000 | |
| | | | | | | | | | | A-INT1 | 0.0 | b | b | b | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.36c/0.14 | 0.009 | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <11 | 0.014 | 0.007 | | | | | | | | |
| 10/16/07 | System running on arrival and departure. | | | | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | | | | | | | | | | |
| | 9,866 | 32,200 | 96 | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/22/07 | System running on arrival and departure. | | | | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | | | | | | | | | | |
| | 10,012 | 32,346 | 146 | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Field Measurements | | | | | | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | |
|----------|--|-------------|--------------------|------------------|-----------------|--------------|-----------------|------------|-------------|-----------|-------------------------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|
| | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | | Cumulative (pounds) |
| 11/02/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 10,273 | 32,607 | 261 | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 11/09/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 10,444 | 32,778 | 171 | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | <11 | 0.36 | <0.0016 | <4.11 | <1,660.47 | <0.00 | <27.69 | 0.20 | <13.33 | <0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.20 | 0.018 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.42 | 0.014 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <11 | <0.0072 | <0.0016 | | | | | | | |
| 11/16/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 10,610 | 32,944 | 166 | 100 | 0 | 6 | 81.63 | 3,200 | 148 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 11/21/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 10,728 | 33,062 | 118 | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 11/26/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 10,848 | 33,182 | 120 | 100 | 0 | 6 | 81.63 | 3,000 | 139 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/07/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 11,112 | 33,446 | 264 | 90 | 0 | 6 | 81.63 | 3,000 | 142 | A-INF | 0.0 | <11 | 0.12 | 0.0021 | <3.99 | <1,664.45 | <0.00 | <27.69 | 0.09 | <13.42 | <0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.042 | 0.0029 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.12 | <0.0016 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <11 | <0.0072 | <0.0016 | | | | | | | |
| 12/13/07 | System down on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 11,235 | 33,569 | 123 | 160 | 0 | 6 | 81.63 | 2,800 | 117 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/14/07 | System shut down. | | | | | | | | | | | | | | | | | | | | |
| | 11,261 | 33,595 | 26 | 160 | 0 | | | | | | | | | | | | | | | | |
| 12/19/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | |
| | 11,262 | 33,596 | 1 | 160 | 0 | 6.5 | 88.44 | 2,800 | 117 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/21/07 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 11,303 | 33,637 | 41 | 160 | 0 | 6.5 | 88.44 | 2,800 | 117 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|-------|--------|--------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | |
| 12/27/07 | System running on arrival and departure. | | | | 11,470 | 33,804 | 167 | 160 | 0 | 6.5 | 88.44 | 2,800 | 117 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/04/08 | System down on arrival and departure. | | | | 11,636 | 33,970 | 166 | 160 | 0 | | | | | | | | | | | | | | | | |
| 01/07/08 | System down on arrival and running on departure. | | | | 11,636 | 33,970 | 0 | 160 | 0 | 6 | 81.63 | 2,800 | 117 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/18/08 | System running on arrival and departure. | | | | 11,904 | 34,238 | 268 | 160 | 0 | 6 | 81.63 | 2,800 | 117 | A-INF | 0.0 | <11d | <0.0072d | <0.0016d | <4.22 | <1,668.67 | <0.00 | <27.69 | <0.02 | <13.44 | 0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11d | 0.20d | 0.015d | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11d | 0.31d | <0.0016d | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <1d | 0.044d | 0.0028d | | | | | | | |
| 01/25/08 | System down on arrival and running on departure. | | | | 12,045 | 34,379 | 141 | 135 | 0 | 6 | 81.63 | 3,100 | 135 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/27/08 | System down on arrival and running on departure. | | | | 12,052 | 34,386 | 7 | 145 | 0 | 6 | 81.63 | 3,000 | 129 | A-INF | — | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | — | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | — | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | — | | | | | | | | | | |
| 01/31/08 | System down on arrival and running on departure. | | | | 12,140 | 34,474 | 88 | 160 | 0 | 7 | 95.24 | 2,600 | 109 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 02/08/08 | System running on arrival and departure. | | | | 12,261 | 34,595 | 121 | 165 | 0 | 7.5 | 102.04 | 2,500 | 104 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 02/15/08 | System running on arrival and departure. | | | | 12,481 | 34,815 | 220 | 150 | 0 | 5 | 68.03 | 2,800 | 119 | A-INF | 0.0 | <11d | 0.12d | <0.0016d | <2.81 | <1,671.48 | <0.00 | <27.69 | <0.02 | <13.46 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 d | 0.078 d | 0.0059 d | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 d | 0.22 d | <0.0016 d | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <11d | <0.0072 d | <0.0016 d | | | | | | | |
| 02/22/08 | System running on arrival and departure. | | | | 12,651 | 34,985 | 170 | 150 | 0 | 5.5 | 74.83 | 2,800 | 119 | A-INF | 0.8 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 1.4 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.8 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|--------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M³) | MTBE (mg/M³) | Benzene (mg/M³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | |
| 02/26/08 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 12,746 | 35,080 | 95 | 155 | 0 | 5.5 | 74.83 | 2,800 | 118 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 03/06/08 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 12,988 | 35,322 | 242 | 160 | 0 | 5.5 | 74.83 | 2,600 | 109 | A-INF | 3.7 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 3.7 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 2.2 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.7 | | | | | | | | | | |
| 03/14/08 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 13,150 | 35,484 | 162 | 160 | 0 | 5.5 | 74.83 | 2,600 | 109 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 03/21/08 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 13,327 | 35,661 | 177 | 162 | 0 | 6.0 | 81.63 | 3,000 | 125 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 03/28/08 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 13,491 | 35,825 | 164 | 160 | 0 | 5.5 | 74.83 | 2,600 | 109 | A-INF | 0.0 | <11d | 0.059d | <0.0016d | <4.74 | <1,676.22 | <0.00 | <27.69 | 0.04 | <13.50 | <0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <11d | 0.13d | 0.0043d | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <11d | 0.17d | <0.0016d | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <11d | <0.0072d | <0.0016d | | | | | | | |
| 04/05/08 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 13,656 | 35,990 | 165 | 155 | 0 | 5.5 | 74.83 | 2,600 | 110 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 04/11/08 | System running on arrival and down on departure. | | | | | | | | | | | | | | | | | | | | |
| | 13,825 | 36,159 | 169 | 155 | 0 | 5.5 | 74.83 | 2,600 | 110 | A-INF | 0.0 | <11 | 0.037 | 0.0030 | <1.50 | <1,677.72 | <0.00 | <27.69 | 0.01 | <13.50 | <0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.11 | 0.0056 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.14 | <0.0016 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <11 | <0.0072 | <0.0016 | | | | | | | |
| 04/15/08 | System down on arrival and running on departure. | | | | | | | | | | | | | | | | | | | | |
| | 13,918 | 36,252 | 93 | 160 | 0 | 5.5 | 74.83 | 2,600 | 109 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 04/22/08 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 14,085 | 36,419 | 167 | 160 | 0 | 5.5 | 74.83 | 2,600 | 109 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | | |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|------|--------|--------|--|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | | |
| 05/02/08 | System running on arrival and departure. | | | | 14,326 | 36,660 | 241 | 160 | 0 | 5.0 | 68.03 | 2,600 | 109 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 05/06/08 | System running on arrival and departure. | | | | 14,413 | 36,747 | 87 | 160 | 0 | 5.0 | 68.03 | 2,600 | 109 | A-INF | 0.0 | <11 | 0.21 | <0.0016 | <2.65 | <1,680.37 | <0.00 | <27.69 | 0.03 | <13.53 | <0.000 | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.066 | 0.0035 | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.093 | <0.0016 | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <11 | <0.0072 | <0.0016 | | | | | | | | |
| 05/16/08 | System running on arrival and departure. | | | | 14,650 | 36,984 | 237 | 160 | 0 | 5.0 | 68.03 | 2,800 | 117 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 05/23/08 | System running on arrival and departure. | | | | 14,819 | 37,153 | 169 | 160 | 0 | 5.0 | 68.03 | 2,800 | 117 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 05/28/08 | System running on arrival and departure. | | | | 14,940 | 37,274 | 121 | 160 | 0 | 5.0 | 68.03 | 2,800 | 117 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 06/03/08 | System running on arrival and departure. | | | | 15,083 | 37,417 | 143 | 150 | 0 | 5.0 | 68.03 | 2,800 | 119 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 06/13/08 | System running on arrival and departure. | | | | 15,323 | 37,657 | 240 | 160 | 0 | 5.0 | 68.03 | 2,800 | 117 | A-INF | 0.0 | <11 | 0.080 | <0.0016 | <4.23 | <1,684.60 | <0.00 | <27.70 | 0.06 | <13.59 | <0.000 | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.27 | 0.0094 | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.25 | <0.0016 | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <11 | <0.0072 | <0.0016 | | | | | | | | |
| 06/17/08 | System running on arrival and departure. | | | | 15,418 | 37,752 | 95 | 100 | 0 | 5.0 | 68.03 | 2,800 | 130 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 06/23/08 | System running on arrival and departure. | | | | 15,565 | 37,899 | 147 | 100 | 0 | 5.5 | 74.83 | 2,800 | 130 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | |
|----------|---|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|------|--------|--------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | |
| 07/03/08 | System running on arrival and departure. | | | | 15,802 | 38,136 | 237 | 100 | 0 | 5.5 | 74.83 | 2,800 | 130 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/08/08 | System running on arrival and departure. | | | | 15,920 | 38,254 | 118 | 120 | 0 | 5.5 | 74.83 | 2,800 | 125 | A-INF | 0.0 | <11 | 0.047 | 0.0023 | <2.98 | <1,687.58 | <0.00 | <27.70 | 0.02 | <13.61 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.17 | 0.0061 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.28 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <11 | 0.014 | <0.0016 | | | | | | | |
| 07/14/08 | System Lock out/tag out for LPC carbon changeout. | | | | | | | | | | | | | | | | | | | | | | | | |
| 07/15/08 | System running on arrival and departure. | | | | 16,061 | 38,395 | 141 | 120 | 0 | 5.5 | 74.83 | 2,800 | 125 | A-INF | 0.0 | <11 | 0.16 | 0.018 | <0.73 | <1,688.31 | 0.00 | <27.70 | 0.01 | <13.61 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.024 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.077 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <11 | <0.0072 | <0.0016 | | | | | | | |
| 07/21/08 | System running on arrival and departure. | | | | 16,205 | 38,539 | 144 | 120 | 0 | 5.5 | 74.83 | 2,800 | 125 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/29/08 | System running on arrival and departure. | | | | 16,395 | 38,729 | 190 | 120 | 0 | 5.5 | 74.83 | 2,800 | 125 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 08/08/08 | System running on arrival and departure. | | | | 16,632 | 38,966 | 237 | 120 | 0 | 5.5 | 74.83 | 2,800 | 125 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 08/15/08 | System running on arrival and departure. | | | | 16,806 | 39,140 | 174 | 175 | 0 | 7.0 | 95.24 | 2,000 | 82 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 08/22/08 | System running on arrival and departure. | | | | 16,971 | 39,305 | 165 | 200 | 0 | 7.0 | 95.24 | 2,600 | 102 | A-INF | 0.0 | <11d | 0.062d | 0.0067d | <4.26 | <1,692.57 | 0.00 | <27.70 | 0.04 | <13.66 | 0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 d | 0.099 d | 0.018 d | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 d | 0.0075 d | 0.0098 d | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <11d | 0.023d | 0.0039d | | | | | | | |
| 08/29/08 | System running on arrival and departure. | | | | 17,137 | 39,471 | 166 | 100 | 0 | 7.0 | 95.24 | 2,500 | 116 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | | |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|------|--------|--------|--|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | | |
| 09/05/08 | System running on arrival and departure. | | | | 17,307 | 39,641 | 170 | 100 | 0 | 7.0 | 95.24 | 2,600 | 121 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 09/12/08 | System running on arrival and departure. | | | | 17,472 | 39,806 | 165 | 100 | 0 | 6.0 | 81.63 | 2,600 | 121 | A-INF | 0.0 | <11 | 0.029 | <0.0030 | <2.30 | <1,694.87 | <0.00 | <27.70 | 0.01 | <13.67 | <0.000 | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.011 | 0.0029 | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.13 | <0.0016 | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <11 | 0.0075 | <0.0016 | | | | | | | | |
| 09/19/08 | System down on arrival and running on departure. | | | | 17,631 | 39,965 | 159 | 100 | 0 | 6.0 | 81.63 | 2,800 | 130 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 09/26/08 | System running on arrival and departure. | | | | 17,796 | 40,130 | 165 | 100 | 0 | 5.0 | 68.03 | 2,800 | 130 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/03/08 | System running on arrival and departure. | | | | 17,964 | 40,298 | 168 | 120 | 0 | 5.0 | 68.03 | 2,900 | 130 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/10/08 | System running on arrival and departure. | | | | 18,132 | 40,466 | 168 | 120 | 0 | 5.0 | 68.03 | 2,900 | 130 | A-INF | 0.0 | <11 | 0.29c | <0.0023 | <3.40 | <1,698.27 | <0.00 | <27.70 | 0.05 | <13.72 | <0.000 | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.19 | 0.0044 | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.24 | <0.0016 | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <11 | <0.0072 | <0.0016 | | | | | | | | |
| 10/17/08 | System running on arrival and departure. | | | | 18,303 | 40,637 | 171 | 120 | 0 | 5.0 | 68.03 | 2,900 | 130 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 10/31/08 | System running on arrival and departure. | | | | 18,640 | 40,974 | 337 | 150 | 0 | 6.0 | 81.63 | 2,700 | 115 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |
| 11/07/08 | System running on arrival and departure. | | | | 18,804 | 41,138 | 164 | 130 | 0 | 6.0 | 81.63 | 2,700 | 119 | A-INF | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|--------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|------|--------|--------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M³) | MTBE (mg/M³) | Benzene (mg/M³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | |
| 11/15/08 | System running on arrival and departure. | | | | 18,973 | 41,307 | 169 | 105 | 0 | 6.0 | 81.63 | 2,800 | 129 | A-INF | 1.2 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 11/17/08 | System running on arrival and departure. | | | | 18,992 | 41,326 | 19 | 105 | 0 | 6.0 | 81.63 | 2,700 | 124 | A-INF | 0.0 | <11 | 0.19 | 0.0046 | <4.49 | <1,702.76 | <0.00 | <27.70 | 0.10 | <13.81 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <11 | 0.20 | 0.0023 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <11 | 0.092 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | 13 | 0.022 | <0.0016 | | | | | | | |
| 11/25/08 | System running on arrival and departure. | | | | 19,156 | 41,490 | 164 | 100 | 0 | 5.0 | 68.03 | 2,800 | 130 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/05/08 | System running on arrival and departure. | | | | 19,395 | 41,729 | 239 | 100 | 0 | 5.0 | 68.03c | 2,800 | 130 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/12/08 | System running on arrival and departure. | | | | 19,397 | 41,731 | 2 | 100 | 0 | 5.0 | 68.03c | 2,700 | 125 | A-INF | 0.0 | <5.7 | 0.14 | 0.0046 | <1.58 | <1,704.34 | 0.00 | <27.71 | 0.03 | <13.84 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.15 | 0.0018 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.098 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.028 | <0.0016 | | | | | | | |
| 12/16/08 | System running on arrival and departure. | | | | 19,492 | 41,826 | 95 | 100 | 0 | 5.0 | 68.03 | 2,800 | 130 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/24/08 | System running on arrival and departure. | | | | 19,689 | 42,023 | 197 | 110 | -- | 5.0 | 68.03 | 2,800 | 128 | A-INF | 4.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/02/09 | System running on arrival and departure. | | | | 19,899 | 42,233 | 210 | 110 | -- | 5.0 | 68.03 | 2,900 | 132 | A-INF | 3.5 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/09/09 | System running on arrival and departure. | | | | 20,067 | 42,401 | 168 | 110 | -- | 5.0 | 68.03 | 2,900 | 132 | A-INF | 0.0 | <5.7 | 0.13 | <0.0016 | <1.84 | <1,706.17 | <0.00 | <27.71 | 0.04 | <13.89 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.18 | 0.0021 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.079 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.088 | <0.0016 | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|------|--------|--------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | |
| 01/16/09 | System running on arrival and departure. | | | | 20,234 | 42,568 | 167 | 110 | -- | 5.0 | 68.03 | 2,900 | 132 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/20/09 | System running on arrival and departure. | | | | 20,331 | 42,665 | 97 | 110 | -- | 5.0 | 68.03 | 2,900 | 132 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/30/09 | System running on arrival and departure. | | | | 20,572 | 42,906 | 241 | 110 | -- | 5.0 | 68.03 | 2,900 | 132 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 02/06/09 | System running on arrival and departure. | | | | 20,738 | 43,072 | 166 | 110 | -- | 5.0 | 68.03 | 2,400 | 109 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 02/13/09 | System running on arrival and departure. | | | | 20,904 | 43,238 | 166 | 110 | -- | 5.0 | 68.03 | 2,800 | 128 | A-INF | 0.0 | <5.7 | 0.15 | 0.0050 | <2.32 | <1,708.49 | <0.00 | <27.71 | 0.06 | <13.95 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.13 | 0.0024 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.061 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.20 | <0.0016 | | | | | | | |
| 02/20/09 | System running on arrival and departure. | | | | 21,072 | 43,406 | 168 | 110 | -- | 5.0 | 68.03 | 2,800 | 128 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 02/27/09 | System running on arrival and departure. | | | | 21,240 | 43,574 | 168 | 110 | -- | 5.0 | 68.03 | 3,100 | 141 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 03/06/09 | System running on arrival and departure. | | | | 21,406 | 43,740 | 166 | 110 | -- | 5.0 | 68.03 | 3,100 | 141 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 03/13/09 | System running on arrival and departure. | | | | 21,574 | 43,908 | 168 | 110 | -- | 5.0 | 68.03 | 3,100 | 141 | A-INF | 0.0 | <5.7 | 0.078 | 0.0023 | <1.92 | <1,710.41 | 0.00 | <27.71 | 0.04 | <13.98 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.27 | 0.0019 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.069 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.11 | <0.0016 | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | |
| 03/20/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 21,740 | 44,074 | 166 | 120 | --- | 5.0 | 68.03 | 3,000 | 134 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 03/23/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 21,830 | 44,164 | 90 | 125 | --- | 5.0 | 68.03 | 3,000 | 133 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 03/31/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 22,003 | 44,337 | 173 | 100 | --- | 5.0 | 68.03 | 2,600 | 121 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 04/07/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 22,175 | 44,509 | 172 | 100 | --- | 5.0 | 68.03 | 2,600 | 121 | A-INF | 0.0 | <5.7 | 0.26 | <0.0016 | <1.68 | <1,712.09 | <0.00 | <27.71 | 0.05 | <14.03 | <0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.21 | 0.0018 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.051 | <0.0016 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.13 | <0.0016 | | | | | | | |
| 04/17/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 22,417 | 44,751 | 242 | 100 | --- | 5.0 | 68.03 | 2,600 | 121 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 04/24/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 22,578 | 44,912 | 161 | 110 | --- | 5.0 | 68.03 | 2,600 | 118 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 05/01/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 22,747 | 45,081 | 169 | 100 | --- | 5.0 | 68.03 | 2,600 | 121 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 05/08/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 22,912 | 45,246 | 165 | 100 | --- | 5.0 | 68.03 | 2,600 | 121 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 05/15/09 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 23,110 | 45,444 | 198 | 100 | --- | 5.0 | 68.03 | 2,000 | 93 | A-INF | 0.0 | <5.7 | 0.34 | <0.0016 | <2.13 | <1,714.21 | <0.00 | <27.71 | 0.11 | <14.15 | <0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.44 | 0.0042 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.12 | <0.0016 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.40 | <0.0016 | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|------|--------|--------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | |
| 05/22/09 | System down on arrival and running on departure. | | | | 23,236 | 45,570 | 126 | 110 | — | 5.0 | 68.03 | 2,800 | 128 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 05/29/09 | System running on arrival and departure. | | | | 23,405 | 45,739 | 169 | 120 | — | 5.0 | 68.03 | 2,600 | 116 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/05/09 | System down on arrival and running on departure. | | | | 23,519 | 45,853 | 114 | 120 | — | 5.0 | 68.03 | 2,600 | 116 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/11/09 | System running on arrival and departure. | | | | 23,658 | 45,992 | 139 | 110 | — | 5.0 | 68.03 | 2,600 | 118 | A-INF | 0.0 | <5.7 | 0.87 | 0.0022 | <1.23 | <1,715.45 | <0.00 | <27.71 | 0.13 | <14.28 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.38 | 0.0025 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.15 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.72 | <0.0016 | | | | | | | |
| 06/12/09 | System down on arrival and running on departure. | | | | 23,670 | 46,004 | 12 | 110 | — | 0.0 | 0 | 2,600 | 118 | A-INF | — | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | — | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | — | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | — | | | | | | | | | | |
| 06/19/09 | System running on arrival and departure. | | | | 23,855 | 46,189 | 185 | 120 | — | 4.5 | 61.22 | 2,600 | 116 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/26/09 | System running on arrival and departure. | | | | 24,001 | 46,335 | 146 | 100 | — | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/29/09 | System running on arrival and departure. | | | | 24,076 | 46,410 | 75 | 100 | — | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/10/09 | System running on arrival and departure. | | | | 24,339 | 46,673 | 263 | 100 | — | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | |
| 07/17/09 | System running on arrival and departure. | | | | 100 | --- | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | <5.7 | 0.034 | 0.0020 | <2.08 | <1,717.53 | 0.00 | <27.71 | 0.17 | <14.44 | <0.000 |
| | A-INT1 | 0.0 | <5.7 | 0.27 | | | | | | | 0.0030 | | | | | | | | | | | |
| | A-INT2 | 0.0 | <5.7 | 0.24 | | | | | | | <0.0016 | | | | | | | | | | | |
| | A-EFF | 0.0 | <5.7 | 0.33 | | | | | | | <0.0016 | | | | | | | | | | | |
| 07/24/09 | System running on arrival and departure. | | | | 100 | --- | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | |
| 07/31/09 | System running on arrival and departure. | | | | 120 | --- | 5.0 | 68.03 | 2,400 | 107 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | |
| 08/04/09 | System running on arrival and departure. | | | | 100 | --- | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | <5.7d | 0.069d | 0.0088d | <1.03 | <1,718.56 | 0.00 | <27.71 | 0.01 | <14.45 | 0.000 |
| | A-INT1 | 0.0 | <5.7d | 0.33d | | | | | | | 0.0083d | | | | | | | | | | | |
| | A-INT2 | 0.0 | <5.7d | 0.31d | | | | | | | 0.0046d | | | | | | | | | | | |
| | A-EFF | 0.0 | <5.7d | 0.53d | | | | | | | 0.0035d | | | | | | | | | | | |
| 08/14/09 | System running on arrival and departure. | | | | 100 | --- | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | |
| 08/21/09 | System running on arrival and departure. | | | | 100 | --- | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | |
| 08/28/09 | System running on arrival and departure. | | | | 110 | --- | 5.0 | 68.03 | 2,400 | 109 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | |
| 09/04/09 | System running on arrival and departure. | | | | 110 | --- | 5.0 | 68.03 | 2,500 | 114 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | |
| 09/11/09 | System running on arrival and departure. | | | | 110 | --- | 5.0 | 68.03 | 2,400 | 109 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | | |
|----------|---|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|--|--|--|--|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | | |
| 09/14/09 | System running on arrival and departure. | | | | 95 | — | 5.0 | 68.03 | 2,600 | 122 | A-INF | 0.0 | <5.7 | 0.11 | <0.0016 | <2.44 | <1,721.00 | <0.00 | <27.71 | 0.04 | <14.49 | <0.000 | | | | |
| | A-INT1 | 0.0 | <5.7 | 0.20 | | | | | | | 0.0024 | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | <5.7 | 0.35 | | | | | | | <0.0016 | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | <5.7 | 0.33 | | | | | | | <0.0016 | | | | | | | | | | | | | | | |
| 09/25/09 | System running on arrival and departure. | | | | 100 | — | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/02/09 | System running on arrival and departure. | | | | 155 | — | 5.5 | 74.83 | 2,500 | 106 | A-INF | 0.0 | | | | | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/10/09 | System running on arrival and departure. | | | | 95 | — | 5.0 | 68.03 | 2,600 | 122 | A-INF | — | | | | | | | | | | | | | | |
| | A-INT1 | — | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | — | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | — | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/15/09 | System running on arrival and down on departure for carbon changeout. | | | | 105 | — | 5.0 | 68.03 | 2,600 | 120 | A-INF | 1.0 | <5.7 | <0.0072 | 0.0046 | <1.90 | <1,722.90 | <0.00 | <27.72 | <0.02 | <14.51 | <0.000 | | | | |
| | A-INT1 | 0.0 | <5.7 | 0.42 | | | | | | | 0.0050 | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | <5.7 | 0.54 | | | | | | | <0.0016 | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | <5.7 | 0.24 | | | | | | | <0.0016 | | | | | | | | | | | | | | | |
| 10/19/09 | System down on arrival for carbon changeout and running on departure. | | | | 95 | — | 5.0 | 68.03 | 2,750 | 129 | A-INF | 0.0 | | | | | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/30/09 | System running on arrival and departure. | | | | 155 | — | 5.4 | 73.47 | 2,300 | 97 | A-INF | 1.0 | | | | | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11/06/09 | System running on arrival and departure. | | | | 145 | — | 5.5 | 74.83 | 2,600 | 112 | A-INF | 0.0 | <5.7 | <0.0072 | <0.0016 | <1.07 | <1,723.97 | <0.00 | <27.72 | <0.00 | <14.51 | <0.000 | | | | |
| | A-INT1 | 0.0 | <5.7 | 0.39 | | | | | | | 0.0065 | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | <5.7 | 0.59 | | | | | | | 0.0036 | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | <5.7 | 0.27 | | | | | | | <0.0016 | | | | | | | | | | | | | | | |
| 11/13/09 | System running on arrival and departure. | | | | 145 | — | 5.5 | 74.83 | 2,400 | 103 | A-INF | 0.0 | | | | | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | | | |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-------------------------------|------------|---------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|---------------------|--------|-------|--------|--------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | Per Period (pounds) | Cumulative (pounds) | | | | |
| 11/20/09 | System running on arrival and departure. | | | | 27,436 | 49,770 | 172 | 100 | — | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 11/25/09 | System running on arrival and departure. | | | | 27,552 | 49,886 | 116 | 100 | — | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/04/09 | System down on arrival and running on departure. | | | | 27,726 | 50,060 | 174 | 100 | — | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/11/09 | System down on arrival and running on departure. | | | | 27,816 | 50,150 | 90 | 100 | — | 5.0 | 68.03 | 2,400 | 111 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 12/18/09 | System running on arrival and departure. | | | | 27,975 | 50,309 | 159 | 110 | — | 5.0 | 68.03 | 2,500 | 114 | A-INF | — | <5.7 | <0.0072 | 0.0023 | <2.11 | <1,726.08 | <0.00 | <27.72 | <0.00 | <14.51 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | — | <5.7 | 0.069 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | — | <5.7 | 0.24 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | — | <5.7 | 0.30 | <0.0016 | | | | | | | |
| 12/23/09 | System running on arrival and departure. | | | | 28,096 | 50,430 | 121 | 110 | — | 5.0 | 68.03 | 2,500 | 114 | A-INF | 0.0 | <5.7 | <0.0072 | 0.0022 | <0.29 | <1,726.37 | 0.00 | <27.72 | <0.00 | <14.51 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.026 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.098 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.067 | <0.0016 | | | | | | | |
| 12/31/09 | System running on arrival and departure. | | | | 28,291 | 50,625 | 195 | 105 | — | 5.0 | 68.03 | 2,600 | 120 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/08/10 | System running on arrival and departure. | | | | 28,480 | 50,814 | 189 | 90 | — | 5.0 | 68.03 | 2,500 | 118 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 01/15/10 | System running on arrival and departure. | | | | 28,648 | 50,982 | 168 | 90 | — | 5.0 | 68.03 | 2,600 | 123 | A-INF | 0.0 | <5.7d | 0.34d | <0.0016d | <1.39 | <1,727.76 | <0.00 | <27.72 | <0.04 | <14.56 | <0.000 |
| | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7d | 0.032d | <0.0016d | | | | | | | |
| | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7d | 0.22d | <0.0016d | | | | | | | |
| | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7d | 0.24d | <0.0016d | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | | | |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|--------|-----|------|-------|---------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | | | |
| 01/22/10 | System running on arrival and departure. | | | | 90 | --- | 5.0 | 68.03 | 2,400 | 113 | A-INF | 0.0 | <5.7 | 0.21 | <0.0016 | <0.43 | <1,728.19 | <0.00 | <27.72 | 0.02 | <14.58 | <0.000 | | | | | |
| | 28,818 | 51,152 | 170 | | | | | | | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.019 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.20 | <0.0016 |
| 01/29/10 | System running on arrival and departure. | | | | 90 | --- | 5.0 | 68.03 | 2,400 | 113 | A-INF | 0.0 | <5.7 | 0.20 | <0.0016 | <0.43 | <1,728.19 | <0.00 | <27.72 | 0.02 | <14.58 | <0.000 | | | | | |
| | 28,993 | 51,327 | 175 | | | | | | | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.019 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.20 | <0.0016 |
| 02/05/10 | System running on arrival and departure. | | | | 90 | --- | 5.0 | 68.03 | 2,600 | 123 | A-INF | 0.0 | <5.7 | 0.18 | <0.0016 | <1.27 | <1,729.46 | <0.00 | <27.72 | 0.04 | <14.62 | <0.000 | | | | | |
| | 29,153 | 51,487 | 160 | | | | | | | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.053 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.20 | <0.0016 |
| 02/12/10 | System running on arrival and departure. | | | | 90 | --- | 5.0 | 68.03 | 2,600 | 123 | A-INF | 0.0 | <5.7 | 0.18 | <0.0016 | <1.27 | <1,729.46 | <0.00 | <27.72 | 0.04 | <14.62 | <0.000 | | | | | |
| | 29,322 | 51,656 | 169 | | | | | | | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.053 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.20 | <0.0016 |
| 02/19/10 | System running on arrival and departure. | | | | 90 | --- | 5.0 | 68.03 | 2,500 | 118 | A-INF | 0.0 | <5.7 | 0.20 | <0.0016 | <1.27 | <1,729.46 | <0.00 | <27.72 | 0.04 | <14.62 | <0.000 | | | | | |
| | 29,487 | 51,821 | 165 | | | | | | | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.053 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.20 | <0.0016 |
| 02/26/10 | System running on arrival and departure. | | | | 100 | --- | 5.0 | 68.03 | 2,500 | 116 | A-INF | 0.0 | <5.7 | 0.20 | <0.0016 | <1.27 | <1,729.46 | <0.00 | <27.72 | 0.04 | <14.62 | <0.000 | | | | | |
| | 29,655 | 51,989 | 168 | | | | | | | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.053 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.20 | <0.0016 |
| 03/06/10 | System running on arrival and departure. | | | | 100 | --- | 5.0 | 68.03 | 2,500 | 116 | A-INF | 0.0 | <5.7 | 0.20 | <0.0016 | <1.27 | <1,729.46 | <0.00 | <27.72 | 0.04 | <14.62 | <0.000 | | | | | |
| | 29,807 | 52,141 | 152 | | | | | | | | | | | | | | | | | | | | A-INT1 | 0.0 | <5.7 | 0.053 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | 0.0 | <5.7 | 0.20 | <0.0016 |
| 03/09/10 | System down on arrival and running on departure. | | | | --- | --- | 5.0 | 68.03 | --- | --- | A-INF | --- | <5.7 | 0.20 | <0.0016 | <1.27 | <1,729.46 | <0.00 | <27.72 | 0.04 | <14.62 | <0.000 | | | | | |
| | 29,813 | 52,147 | 6 | | | | | | | | | | | | | | | | | | | | A-INT1 | --- | <5.7 | 0.053 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | --- | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | --- | <5.7 | 0.20 | <0.0016 |
| 03/10/10 | System running on arrival and departure. | | | | --- | --- | 5.0 | 68.03 | --- | --- | A-INF | --- | <5.7 | 0.20 | <0.0016 | <1.27 | <1,729.46 | <0.00 | <27.72 | 0.04 | <14.62 | <0.000 | | | | | |
| | 29,844 | 52,178 | 31 | | | | | | | | | | | | | | | | | | | | A-INT1 | --- | <5.7 | 0.053 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-INT2 | --- | <5.7 | 0.20 | <0.0016 |
| | | | | | | | | | | | | | | | | | | | | | | | A-EFF | --- | <5.7 | 0.20 | <0.0016 |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) |
|----------|--|-------------|--------------------|--------------|---------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| | | | | | EFF Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | |
| 03/19/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,500 | --- | A-INF | 0.0 | <5.7 | 0.017 | 0.0034 | <1.86 | <1,731.32 | <0.00 | <27.72 | 0.03 | <14.65 | <0.000 |
| | A-INT1 | 0.0 | <5.7 | 0.29 | | | | | | 0.0051 | | | | | | | | | | | |
| | A-INT2 | 0.0 | <5.7 | 0.26 | | | | | | <0.0016 | | | | | | | | | | | |
| | A-EFF | 0.0 | <5.7 | 0.15 | | | | | | <0.0016 | | | | | | | | | | | |
| 03/26/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,500 | 116 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | |
| 04/02/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,500 | 120 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | |
| 04/07/10 | System running on arrival and down on departure. | | | | --- | 5.0 | 68.03 | 2,500 | 120 | A-INF | --- | | | | | | | | | | |
| | A-INT1 | --- | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | --- | | | | | | | | | | | | | | | | | | | |
| | A-EFF | --- | | | | | | | | | | | | | | | | | | | |
| 04/16/10 | System down on arrival and running on departure. | | | | --- | 5.0 | 68.03 | 2,600 | 125 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | |
| 04/23/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,400 | 115 | A-INF | 0.0 | <5.7 | 0.16 | 0.0059 | <1.53 | <1,732.85 | 0.00 | <27.72 | 0.02 | <14.68 | <0.000 |
| | A-INT1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | A-INT2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | A-EFF | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 04/30/10 | System down on arrival and departure. | | | | --- | --- | --- | --- | --- | A-INF | --- | | | | | | | | | | |
| | A-INT1 | --- | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | --- | | | | | | | | | | | | | | | | | | | |
| | A-EFF | --- | | | | | | | | | | | | | | | | | | | |
| 05/05/10 | System down on arrival and running on departure. | | | | --- | --- | --- | --- | --- | A-INF | --- | | | | | | | | | | |
| | A-INT1 | --- | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | --- | | | | | | | | | | | | | | | | | | | |
| | A-EFF | --- | | | | | | | | | | | | | | | | | | | |
| 05/07/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,400 | 115 | A-INF | 0.0 | | | | | | | | | | |
| | A-INT1 | 0.0 | | | | | | | | | | | | | | | | | | | |
| | A-INT2 | 0.0 | | | | | | | | | | | | | | | | | | | |
| | A-EFF | 0.0 | | | | | | | | | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | |
| 05/14/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 31,027 | 53,361 | 168 | 90 | -- | 5.0 | 68.03 | 2,400 | 113 | A-INF | 0.0 | <5.7 | 0.12 | <0.0016 | <0.87 | <1,733.71 | <0.00 | <27.72 | 0.02 | <14.70 | <0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <5.7 | <0.0072 | <0.0016 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <5.7 | <0.0072 | <0.0016 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <5.7 | <0.0072 | <0.0016 | | | | | | | |
| 05/21/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 31,196 | 53,530 | 169 | 90 | -- | 5.0 | 68.03 | 2,400 | 113 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 05/28/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 31,361 | 53,695 | 165 | 80 | -- | 5.0 | 68.03 | 2,000 | 96 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/04/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 31,531 | 53,865 | 170 | 90 | -- | 5.0 | 68.03 | 2,500 | 118 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/09/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 31,648 | 53,982 | 117 | 90 | -- | 5.0 | 68.03 | 2,500 | 118 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/18/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 31,866 | 54,200 | 218 | 90 | -- | 5.0 | 68.03 | 2,500 | 118 | A-INF | 0.0 | <5.7 | 0.026 | <0.0016 | <2.07 | <1,735.78 | <0.00 | <27.72 | 0.03 | <14.72 | <0.000 |
| | | | | | | | | | | A-INT1 | 0.0 | <5.7 | <0.0072 | <0.0016 | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | <5.7 | 0.0085 | <0.0016 | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | <5.7 | <0.0072 | <0.0016 | | | | | | | |
| 06/23/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 31,985 | 54,319 | 119 | 90 | -- | 5.0 | 68.03 | 2,500 | 118 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 06/30/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 32,153 | 54,487 | 168 | 90 | -- | 5.0 | 68.03 | 2,400 | 113 | A-INF | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-INT2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | A-EFF | 0.0 | | | | | | | | | | |
| 07/07/10 | System running on arrival and departure. | | | | | | | | | | | | | | | | | | | | |
| | 32,321 | 54,655 | 168 | 90 | -- | 5.0 | 68.03 | 2,400 | 113 | V-INF-VC0 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | V-OUT-VC1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | V-OUT-VC2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | V-DSCHG | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-------------------------------|------------|--------------|--------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|---------------------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | Sample ID | PID (ppmv) | TPHg (mg/M³) | MTBE (mg/M³) | Benzene (mg/M³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | Per Period (pounds) | Cumulative (pounds) |
| 07/14/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,200 | 102 | V-INF-VC0 | 0.0 | <5.7 | 0.013 | 0.0022 | <1.47 | <1,737.25 | <0.00 | <27.72 | 0.01 | <14.73 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 07/22/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,400 | 111 | V-INF-VC0 | 0.0 | <5.7 | <0.0072 | <0.0016 | <1.53 | <1,738.77 | <0.00 | <27.72 | 0.00 | <14.73 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 07/29/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,400 | 111 | V-INF-VC0 | 0.0 | <5.7 | 0.0097 | <0.0016 | <1.53 | <1,738.77 | <0.00 | <27.72 | 0.00 | <14.73 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 08/03/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,400 | 111 | V-INF-VC0 | 0.0 | <5.7 | 0.0097 | <0.0016 | <1.53 | <1,738.77 | <0.00 | <27.72 | 0.00 | <14.73 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 08/11/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,400 | 111 | V-INF-VC0 | 0.0 | <5.7 | 0.0097 | <0.0016 | <1.53 | <1,738.77 | <0.00 | <27.72 | 0.00 | <14.73 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 08/17/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,400 | 113 | V-INF-VC0 | 0.0 | <5.7 | 0.0097 | <0.0016 | <1.53 | <1,738.77 | <0.00 | <27.72 | 0.00 | <14.73 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 08/24/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,200 | 104 | V-INF-VC0 | 0.0 | <5.7 | 0.0097 | <0.0016 | <1.53 | <1,738.77 | <0.00 | <27.72 | 0.00 | <14.73 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 09/01/10 | System running on arrival and departure. | | | | --- | 5.0 | 68.03 | 2,200 | 104 | V-INF-VC0 | 0.0 | <5.7 | 0.0097 | <0.0016 | <1.53 | <1,738.77 | <0.00 | <27.72 | 0.00 | <14.73 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| 09/09/10 | System down on arrival and running on departure. | | | | --- | 5.0 | 68.03 | 2,000 | 94 | V-INF-VC0 | 0.0 | <5.7 | 0.031 | <0.0016 | <1.53 | <1,740.30 | <0.00 | <27.72 | 0.01 | <14.74 | <0.000 |
| | V-OUT-VC1 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-OUT-VC2 | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |
| | V-DSCHG | 0.0 | <5.7 | <0.0072 | | | | | | <0.0016 | | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Hour Meter | Total Hours | Hours of Operation | Temp EFF (deg F) | Field Measurements | | | | | Sample ID | PID (ppmv) | Laboratory Analytical Results | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | Benzene Emitted (lbs/day) | | | | |
|----------|--|-------------|--------------------|------------------|--------------------|--------------|-----------------|------------|-------------|-----------|------------|-------------------------------|---------------------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|--------|------|--------|--------|
| | | | | | Pressure ("H2O) | Vacuum ("Hg) | Vacuum (in H2O) | Flow (fpm) | Flow (scfm) | | | TPHg (mg/M ³) | MTBE (mg/M ³) | Benzene (mg/M ³) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | Per Period (pounds) | Cumulative (pounds) | | | | | |
| 09/14/10 | System running on arrival and departure. | | | | 33,976 | 56,310 | 116 | 90 | -- | 6.0 | 81.63 | 2,000 | 94 | V-INF-VC0 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-DSCHG | 0.0 | | | | | | | | | | |
| 09/17/10 | System running on arrival and departure. | | | | 34,048 | 56,382 | 72 | -- | -- | -- | -- | -- | -- | V-INF-VC0 | -- | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC1 | -- | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC2 | -- | | | | | | | | | | |
| | | | | | | | | | | | | | | V-DSCHG | -- | | | | | | | | | | |
| 09/24/10 | System running on arrival and departure. | | | | 34,218 | 56,552 | 170 | -- | -- | 6.0 | 81.63 | 2,000 | -- | V-INF-VC0 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-DSCHG | 0.0 | | | | | | | | | | |
| 10/01/10 | System running on arrival and departure. | | | | 34,384 | 56,718 | 166 | 90 | -- | 6.0 | 81.63 | 2,200 | 104 | V-INF-VC0 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-DSCHG | 0.0 | | | | | | | | | | |
| 10/05/10 | System running on arrival and departure. | | | | 34,483 | 56,817 | 99 | 91 | -- | 6.0 | 81.63 | 2,100 | 99 | V-INF-VC0 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-DSCHG | 0.0 | | | | | | | | | | |
| 10/15/10 | System running on arrival and departure. | | | | 34,725 | 57,059 | 242 | 90 | -- | 6.0 | 81.63 | 1,900 | 90 | V-INF-VC0 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-DSCHG | 0.0 | | | | | | | | | | |
| 10/25/10 | System running on arrival and departure. | | | | 34,961 | 57,295 | 236 | 90 | -- | 6.0 | 81.63 | 2,000 | 94 | V-INF-VC0 | 0.0 | <7.0 | 0.057 | <0.0016 | <2.47 | <1,742.77 | <0.00 | <27.72 | 0.02 | <14.75 | <0.000 |
| | | | | | | | | | | | | | | V-OUT-VC1 | 0.0 | <7.0 | <0.0072 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC2 | 0.0 | <7.0 | <0.0072 | <0.0016 | | | | | | | |
| | | | | | | | | | | | | | | V-DSCHG | 0.0 | <7.0 | <0.0072 | <0.0016 | | | | | | | |
| 11/05/10 | System running on arrival and departure. | | | | 35,202 | 57,536 | 241 | 90 | -- | 6.0 | 81.63 | 2,000 | 94 | V-INF-VC0 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC1 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-OUT-VC2 | 0.0 | | | | | | | | | | |
| | | | | | | | | | | | | | | V-DSCHG | 0.0 | | | | | | | | | | |

TABLE 1
OPERATION AND PERFORMANCE DATA FOR AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM

Former Exxon Service Station 70104
 1725 Park Street
 Alameda, California

Notes: Removal rates are calculated using SOP-25: "Hydrocarbons removed from a Vadose Well"
 Data prior to April 1, 2000, provided by Delta Environmental Consultants, Inc.

| | | |
|-------------------|---|---|
| A-INF/V-INF-VC0 | = | Influent vapor sample collected prior to biofilters. |
| A-INT1/V-OUT-VC1 | = | Vapor sample collected after 1st carbon vessel. |
| A-INT2/V-OUT-VC2 | = | Vapor sample collected after 2nd carbon vessel. |
| A-EFF/V-DSCHG | = | Vapor sample collected from effluent sample port. |
| TPHg | = | Total petroleum hydrocarbons as gasoline using EPA Method T0-3M; on and prior to 08/09/07, analyzed using EPA Method 18M. |
| MTBE | = | Methyl tertiary butyl ether analyzed using EPA Method T0-15M; on and prior to 08/09/07, analyzed using EPA Method 18M. |
| Benzene | = | Benzene analyzed using EPA Method T0-15M; on and prior to 08/09/07, analyzed using EPA Method 18M. |
| Temp EFF | = | Temperature effluent. |
| deg F | = | Degrees Fahrenheit. |
| In H2O | = | Inches of water column. |
| In Hg | = | Inches of mercury vacuum. |
| scfm | = | Standard cubic feet per minute. |
| fpm | = | Feet per minute. |
| lbs/day | = | Pounds per day. |
| ppmv | = | Parts per million by volume. |
| mg/M ³ | = | Milligrams per cubic meter. |
| --- | = | Not sampled/Not measured/Not analyzed/Not calculated. |
| a | = | Analyte was detected in the associated Method Blank. |
| b | = | Tedlar Bag deflated, sample could not be analyzed. |
| c | = | Concentration exceeds the calibration range. |
| d | = | Sample analyzed past recommended holding time. |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | |
|----------|----------------------|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | |
| 10/10/94 | 1,331,420 | --- | W-INF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 12/02/94 | 1,392,010 | 0.8 | W-INF | 65 | 1.9 | 0.9 | <0.5 | 2.4 | --- | <0.029 | <0.0 | <0.0006 | <0.001 | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 01/13/95 | 1,415,980 | 0.4 | W-INF | 1,000 | <0.5 | <0.5 | <0.5 | <0.5 | --- | 0.106 | <0.1 | <0.0002 | <0.001 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 02/23/95 | 1,494,030 | 1.3 | W-INF | 57 | <0.5 | <0.5 | <0.5 | 2.7 | --- | 0.344 | <0.5 | <0.0003 | <0.001 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 03/14/95 | --- | --- | W-INF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 04/14/95 | 1,513,240 | 0.3 | W-INF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | <0.009 | <0.5 | <0.0001 | <0.001 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 05/18/95 | 1,714,850 | 4.1 | W-INF | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| 06/30/95 | 1,847,330 | 2.1 | W-INF | 1,700 | 480 | 23 | 66 | 180 | --- | <2.439 | <2.9 | 0.6685 | <0.670 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 07/12/95 | 1,908,730 | 3.6 | W-INF | 290 | 68 | <2.0 | 2.4 | 5.6 | --- | 0.510 | <3.4 | 0.1404 | <0.810 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 08/09/95 | 2,027,830 | 3.0 | W-INF | 6,600 | 1,700 | 260 | 370 | 550 | --- | 3.423 | <6.9 | 0.8784 | <1.689 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 09/06/95 | 2,158,260 | 3.2 | W-INF | 120 | 17 | 0.84 | 1.0 | 3.0 | --- | 3.656 | <10.5 | 0.9342 | <2.623 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 10/11/95 | 2,215,310 | 1.1 | W-INF | 160 | 22 | 0.97 | 1.2 | 4.0 | --- | 0.067 | <10.6 | 0.0093 | <2.632 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 11/16/95 | 2,384,880 | 3.3 | W-INF | 120 | 4.9 | <0.5 | <0.5 | 5.9 | --- | 0.198 | <10.8 | 0.0190 | <2.651 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 12/14/95 | 2,453,200 | 1.7 | W-INF | 450 | 46 | 16 | 4.6 | 65 | --- | 0.162 | <10.9 | 0.0145 | <2.666 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| 01/05/96 | 2,516,900 | 2.0 | W-INF | 240 | 26 | 2.4 | 1.2 | 20 | --- | 0.183 | <11.1 | 0.0191 | <2.685 | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | --- | --- | --- | --- |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|----------------------|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 02/14/96 | 2,680,160 | 2.8 | W-INF | 470 | 43 | 5.5 | <0.5 | 55 | -- | 0.484 | <11.6 | 0.0470 | <2.732 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 03/12/96 | 2,767,820 | 2.3 | W-INF | 620 | 60 | 9.8 | 3.9 | 70 | -- | 0.399 | <12.0 | 0.0377 | <2.769 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 04/16/96 | 2,927,390 | 3.2 | W-INF | 790 | 120 | 27 | 8.8 | 120 | -- | 0.939 | <12.9 | 0.1198 | <2.889 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 05/07/96 | 2,971,100 | 1.5 | W-INF | 430 | 66 | 2.7 | 5 | 32 | -- | 0.222 | <13.2 | 0.0339 | <2.923 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 06/11/96 | 3,109,730 | 2.8 | W-INF | 2,900 | 470 | 120 | 19 | 410 | -- | 1.926 | <15.1 | 0.3100 | <3.233 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 07/09/96 | 3,232,330 | 3.0 | W-INF | 490 | 55 | 6.2 | <0.5 | 110 | -- | 1.734 | <16.8 | 0.2685 | <3.502 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 08/08/96 | 3,365,060 | 3.1 | W-INF | 580 | 49 | 4.6 | <1.0 | 75 | -- | 0.592 | <17.4 | 0.0576 | <3.559 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 09/05/96 | --- | --- | W-INF | 740 | 67 | 19 | 10 | 72 | -- | -- | -- | -- | -- | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 10/02/96 | 3,530,230 | 2.1 | W-INF | 980 | 130 | 39 | 7.8 | 130 | -- | 1.075 | <18.5 | 0.1233 | <3.683 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 11/08/96 | 3,657,370 | 2.4 | W-INF | 480 | 42 | 7.1 | 0.69 | 79 | -- | 0.774 | <19.3 | 0.0912 | <3.774 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 12/09/96 | 3,735,650 | 1.8 | W-INF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | <0.173 | <19.4 | <0.0139 | <3.788 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 01/21/97 | 3,735,730 | 0.0 | W-INF | 690 | 69 | 20 | 20 | 91 | -- | 0.000 | <19.4 | 0.0000 | <3.788 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 02/10/97 | 3,735,360 | 0.0 | W-INF | 860 | 100 | 24 | 1.4 | 160 | -- | | <19.4 | | <3.788 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 03/20/97 | 3,843,430 | 2.0 | W-INF | 86 | <0.5 | <0.5 | <0.5 | 5.1 | -- | 0.426 | <19.9 | <0.0453 | <3.833 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|----------------------|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 04/03/97 | 3,918,650 | 3.7 | W-INF | 690 | 31 | 6.1 | <5.0 | 89 | -- | 0.244 | <20.1 | 0.0099 | <3.843 | -- | -- |
| | | | W-INT1 | <1,000 | <10 | <10 | <10 | <10 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 05/07/97 | 4,092,720 | 3.6 | W-INF | 1,000 | 57 | 29 | 11 | 110 | -- | 1.227 | <21.3 | 0.0639 | <3.907 | -- | -- |
| | | | W-INT1 | <50 | 1.1 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 06/11/97 | 4,144,600 | 1.0 | W-INF | 570 | 66 | 14 | 4.7 | 75 | -- | 0.340 | <21.7 | 0.0266 | <3.933 | -- | -- |
| | | | W-INT1 | <50 | 0.57 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 06/25/97 | 4,273,310 | 6.4 | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | -- | -- |
| | | | W-INF | 470 | 25 | 8.8 | 3.7 | 49 | -- | 0.948 | <22.6 | 0.0829 | <4.016 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 08/04/97 | 4,408,100 | 2.8 | W-INF | 610 | 48 | 18 | 6.2 | 69 | -- | 0.203 | <22.8 | 0.0137 | <4.030 | -- | -- |
| | | | W-INT1 | <50 | 0.76 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 10/21/97 | 4,496,810 | 0.8 | W-INF | 250 | 16 | 5.4 | 2.3 | 29 | -- | 0.318 | <23.2 | 0.0237 | <4.054 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 11/04/97 | 4,553,090 | 2.8 | W-INF | 510 | 22 | 9.8 | 13 | 60 | -- | 0.178 | <23.3 | 0.0089 | <4.063 | -- | -- |
| | | | W-INT1 | <50 | 0.82 | <0.5 | <0.5 | 0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 12/05/97 | 4,588,340 | 0.8 | W-INF | 79 | 1.5 | <0.5 | <0.5 | 53 | -- | 0.087 | <23.4 | 0.0035 | <4.066 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 01/08/98 | 4,625,400 | 0.8 | W-INF | 83 | 2.6 | 0.74 | <0.5 | 5.4 | -- | 0.025 | <23.4 | 0.0006 | <4.067 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | 0.58 | <0.5 | 0.81 | 1.5 | -- | | | | | | |
| 03/03/98 | 4,662,470 | 0.5 | W-INF | <50 | 0.54 | <0.5 | <0.5 | 0.88 | -- | <0.021 | <23.5 | 0.0005 | <4.067 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | 0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 04/02/98 | 4,702,760 | 0.9 | W-INF | 1,100 | 170 | 32 | 12 | 160 | -- | 0.193 | <23.7 | 0.0287 | <4.096 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 05/04/98 | 4,786,330 | 1.8 | W-INF | 1,000 | 140 | 23 | 8.5 | 150 | -- | 0.732 | <24.4 | 0.1081 | <4.204 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | 0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| 06/10/98 | 4,852,030 | 1.2 | W-INF | 670 | 110 | 16 | 7.6 | 74 | -- | 0.458 | <24.8 | 0.0685 | <4.272 | -- | -- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|----------------------|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 07/07/98 | 4,951,910 | 2.6 | W-INF | 690 | 91 | 13 | 6.3 | 55 | --- | 0.567 | <25.4 | 0.0838 | <4.358 | --- | --- |
| | | | W-INT1 | <200 | <2.0 | <2.0 | <2.0 | <2.0 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 08/04/98 | 5,039,980 | 2.2 | W-INF | 230 | 36 | 6.4 | 2.5 | 17 | --- | 0.338 | <25.7 | 0.0467 | <4.403 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 09/03/98 | 5,080,850 | 1.0 | W-INF | 280 | 13 | 2.0 | 6.4 | 21 | --- | 0.087 | <25.8 | 0.0084 | <4.411 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 10/20/98 | --- | --- | W-INF | 740 | 43 | 54 | 25 | 110 | --- | --- | --- | --- | --- | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 11/09/98 | 5,232,360 | 1.6 | W-INF | 300 | 37 | 10 | 8.4 | 43 | --- | 0.367 | <26.2 | 0.0316 | <4.443 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 12/08/98 | 5,284,180 | 1.2 | W-INF | 700 | 82 | 25 | 13 | 100 | --- | 0.216 | <26.4 | 0.0257 | <4.469 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 01/13/99 | 5,377,930 | 1.8 | W-INF | 1,030 | 155 | 46.5 | 52.7 | 73.3 | --- | 0.677 | <27.1 | 0.0927 | <4.561 | --- | --- |
| | | | W-INT1 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | --- | | | | | | |
| | | | W-EFF | <500 | <5.0 | <5.0 | <5.0 | <5.0 | --- | | | | | | |
| 02/08/99 | 5,441,820 | 1.7 | W-INF | 260 | 31 | 9.0 | 2.4 | 33 | --- | 0.344 | <27.4 | 0.0496 | <4.611 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 03/08/99 | 5,509,090 | 1.7 | W-INF | 800 | 87 | 16 | 8.5 | 140 | --- | 0.297 | <27.7 | 0.0331 | <4.644 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 04/05/99 | 5,571,890 | 1.6 | W-INF | <500 | 36.6 | 12.2 | 5.84 | 20.9 | --- | <0.341 | <28.1 | 0.0324 | <4.676 | --- | --- |
| | | | W-INT1 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | --- | | | | | | |
| | | | W-EFF | <500 | <5.0 | <5.0 | <5.0 | <5.0 | --- | | | | | | |
| 05/06/99 | 5,621,560 | 1.1 | W-INF | 310 | 45 | 6.0 | 0.86 | 41 | --- | 0.168 | <28.2 | 0.0169 | <4.693 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 06/07/99 | 5,706,250 | 1.8 | W-INF | <250 | 24.8 | <2.5 | <2.5 | 8.74 | --- | <0.198 | <28.4 | 0.0247 | <4.718 | --- | --- |
| | | | W-INT1 | <100 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-EFF | <250 | <2.5 | <2.5 | <2.5 | <2.5 | --- | | | | | | |
| 07/28/99 | 5,805,010 | 1.3 | W-INF | <100 | 7.00 | <1.0 | 2.40 | 6.40 | --- | <0.144 | <28.6 | 0.0131 | <4.731 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 08/09/99 | 5,849,280 | 2.6 | W-INF | <500 | 17.1 | 5.88 | <5.0 | 26.8 | --- | <0.111 | <28.7 | 0.0045 | <4.735 | --- | --- |
| | | | W-INT1 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | --- | | | | | | |
| | | | W-EFF | <250 | <2.5 | <2.5 | <2.5 | <2.5 | --- | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 09/07/99 | 5,880,860 | 0.8 | W-INF | <500 | 20.4 | <5.0 | <5.0 | 31.1 | --- | <0.132 | <28.8 | 0.0049 | <4.740 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 10/12/99 | 5,966,690 | 1.7 | W-INF | 100 | 2 | <1.0 | <1.0 | <1.0 | --- | 0.215 | <29.0 | 0.0080 | <4.748 | --- | --- |
| | | | W-INT1 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-EFF | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| 11/18/99 | 5,971,540 | 0.1 | W-INF | 660 | 66 | 7.8 | 5.6 | 57 | --- | 0.015 | <29.1 | 0.0014 | <4.750 | --- | --- |
| | | | W-INT1 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-EFF | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| 12/09/99 | 5,992,780 | 0.7 | W-INF | 200 | 28 | 3.2 | 2.2 | 22.4 | --- | 0.076 | <29.1 | 0.0083 | <4.758 | --- | --- |
| | | | W-INT1 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-INT2 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-EFF | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| 01/10/00 | 6,035,690 | 0.9 | W-INF | 120 | 11 | 1.5 | 1.8 | 14.5 | --- | 0.057 | <29.2 | 0.0070 | <4.765 | --- | --- |
| | | | W-INT1 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-EFF | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| 02/08/00 | 6,055,000 | 0.5 | W-INF | 130 | 14 | <1.0 | <1.0 | 11.9 | --- | 0.020 | <29.2 | 0.0020 | <4.767 | --- | --- |
| | | | W-INT2 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-EFF | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| 03/24/00 | System shut down pending evaluation. | | | | | | | | | | | | | | |
| | 6,080,125 | 0.4 | | | | | | | | | | | | | |
| 03/28/00 | System shut down upon departure. | | | | | | | | | | | | | | |
| | 6,080,360 | 0.0 | W-INF | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | <0.019 | <29.2 | <0.0016 | <4.769 | --- | --- |
| | | | W-INT1 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-INT2 | <50 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| | | | W-EFF | <67 | <1.0 | <1.0 | <1.0 | <1.0 | --- | | | | | | |
| 04/01/00 | Environmental Resolutions, Inc. assumed operation of the remediation system. | | | | | | | | | | | | | | |
| 06/05/02 | System down on arrival and running on departure. Startup. Water samples collected for startup. | | | | | | | | | | | | | | |
| | 10 | 0.0 | W-INF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | <0.000 | <29.2 | <0.0000 | <4.769 | --- | --- |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-INT2 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | --- | | | | | | |
| 06/19/02 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 47,370 | 2.4 | | | | | | | | | | | | | |
| 07/03/02 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 114,030 | 3.3 | W-INF | 270 | <2.5 | <2.5 | <2.5 | <2.5 | 1,300 | 0.152 | <29.4 | <0.0014 | <4.770 | 2.473 | 2.473 |
| | | | W-INT1 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 46 | | | | | | |
| | | | W-INT2 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | | | | | | |
| 07/17/02 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 114,230 | 0.0 | | | | | | | | | | | | | |
| 07/31/02 | System running on arrival and down on departure. | | | | | | | | | | | | | | |
| | 179,580 | 3.2 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 08/14/02 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 179,930 | 0.0 | W-INF | 620 | 4.1 | <2.5 | <2.5 | <2.5 | 1,400 | 0.245 | <29.6 | 0.0018 | <4.772 | 0.742 | 3.216 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.5 | 150 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.5 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 08/28/02 | System running on arrival and down on departure. | | | | | | | | | | | | | | |
| | 222,900 | 2.1 | | | | | | | | | | | | | |
| 11/06/02 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 223,080 | 0.0 | W-INF | 660 | <5.0 | <5.0 | <5.0 | <5.0 | 1,700 | 0.230 | <29.9 | <0.0016 | <4.774 | 0.558 | 3.774 |
| | | | W-INT1 | 100 | 3.9 | <0.5 | <0.5 | 1.4 | 150 | | | | | | |
| | | | W-INT2 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | | | | | | |
| 11/20/02 | System down on arrival and departure. | | | | | | | | | | | | | | |
| 12/04/02 | System down on arrival and departure. | | | | | | | | | | | | | | |
| 12/18/02 | System down on arrival and departure. | | | | | | | | | | | | | | |
| 01/03/03 | System down on arrival and departure. | | | | | | | | | | | | | | |
| | 224,032 | 0.0 | | | | | | | | | | | | | |
| 01/06/03 | System down on arrival and departure. | | | | | | | | | | | | | | |
| 01/15/03 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 224,360 | 0.0 | W-INF | 730 | <5.0 | <5.0 | <5.0 | <5.0 | 1,200 | 0.007 | <29.9 | <0.0001 | <4.774 | 0.015 | 3.789 |
| | | | W-INT1 | 71 | <0.50 | <0.50 | <0.50 | <0.50 | 110 | | | | | | |
| | | | W-INT2 | -- | -- | -- | -- | -- | -- | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 01/29/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 283,830 | 3.0 | | | | | | | | | | | | | |
| 02/12/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 321,540 | 1.9 | W-INF | <500 | <5.0 | <5.0 | <5.0 | <5.0 | 500 | <0.499 | <30.4 | <0.0041 | <4.778 | 0.689 | 4.478 |
| | | | W-INT1 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | 500 | | | | | | |
| | | | W-INT2 | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 330 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 02/26/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 383,280 | 3.1 | | | | | | | | | | | | | |
| 03/12/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 439,050 | 2.8 | W-INF | 190 | <10 | <10 | <10 | <10 | 1,200 | 0.338 | <30.7 | <0.0074 | <4.785 | 0.833 | 5.312 |
| | | | W-INT1 | 86 | <2.5 | <2.5 | <2.5 | <2.5 | 150 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.5 | | | | | | |
| 03/26/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 489,680 | 2.5 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 04/09/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 537,030 | 2.4 | W-INF | <500 | <25 | <25 | <25 | <25 | 930 | <0.282 | <31.0 | <0.0143 | <4.799 | 0.871 | 6.182 |
| | | | W-INT1 | 50 | <2.5 | <2.5 | <2.5 | <2.5 | 91 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 8.7 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.5 | | | | | | | |
| 04/23/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 584,410 | 2.4 | | | | | | | | | | | | | |
| 05/07/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 613,620 | 1.5 | W-INF | 180 | <5.0 | <5.0 | <5.0 | <5.0 | 430 | 0.217 | <31.2 | <0.0096 | <4.809 | 0.435 | 6.617 |
| | | | W-INT1 | 110 | <0.50 | <0.50 | <0.50 | <0.50 | 99 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 18 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| 05/21/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 646,410 | 1.6 | | | | | | | | | | | | | |
| 06/04/03 | System running on arrival, down on departure for carbon changeout. | | | | | | | | | | | | | | |
| | 723,100 | 3.8 | | | | | | | | | | | | | |
| 06/18/03 | System down on arrival, running on departure, monthly samples taken. | | | | | | | | | | | | | | |
| | 723,320 | 0.0 | W-INF | <250 | <2.5 | <2.5 | <2.5 | <2.5 | 410 | <0.197 | <31.4 | <0.0034 | <4.812 | 0.384 | 7.001 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | | |
| 07/02/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 751,630 | 1.4 | W-INF | 120 | <25 | <25 | <25 | 29 | 560 | 0.044 | <31.4 | <0.0032 | <4.816 | 0.115 | 7.116 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| 07/16/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 778,100 | 1.3 | | | | | | | | | | | | | |
| 07/30/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 805,390 | 1.4 | | | | | | | | | | | | | |
| 08/13/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 828,920 | 1.2 | W-INF | 390 | <10 | <10 | <10 | <10 | 620 | 0.164 | <31.6 | <0.0113 | <4.827 | 0.380 | 7.496 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.90 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| 08/27/03 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 854,560 | 1.3 | | | | | | | | | | | | | |
| 09/10/03 | System down on arrival, running on departure. | | | | | | | | | | | | | | |
| | 854,800 | 0.0 | W-INF | 89 | <5.0 | <5.0 | <5.0 | <5.0 | 140 | 0.052 | <31.7 | <0.0016 | <4.828 | 0.082 | 7.578 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.81 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|-------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | |
| 09/24/03 | System running on arrival and departure. 879,920 1.3 | | | | | | | | | | | | | | | |
| 10/08/03 | System running on arrival and departure. 903,850 1.2 | | | W-INF | 330 | <10 | <10 | <10 | <10 | 540 | 0.086 | <31.7 | <0.0031 | <4.832 | 0.139 | 7.718 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.5 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| 10/22/03 | System running on arrival and departure. 927,460 1.2 | | | | | | | | | | | | | | | |
| 11/03/03 | System running on arrival and departure. 947,710 1.2 | | | W-INF | 530 | <10 | <10 | <10 | <10 | 810 | 0.157 | <31.9 | <0.0037 | <4.835 | 0.247 | 7.965 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 4.4 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| 11/17/03 | System down on arrival. Restarted. Running on departure. 964,770 0.9 | | | | | | | | | | | | | | | |
| 12/01/03 | System running on arrival and departure. 992,510 1.4 | | | W-INF | 410 | <250 | <250 | <250 | <250 | 820 | 0.176 | <32.1 | <0.0486 | <4.884 | 0.305 | 8.269 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 4.2 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| 12/15/03 | System running on arrival and departure. 1,021,420 1.4 | | | | | | | | | | | | | | | |
| 12/29/03 | System running on arrival and departure. 1,051,220 1.5 | | | | | | | | | | | | | | | |
| 01/12/04 | System down on arrival High/High ([H/H] holding tank), transfer pump failure. 1,062,140 0.5 | | | | | | | | | | | | | | | |
| 01/26/04 | System shut down on arrival, replaced transfer pump restarted system. Collected monthly samples. 1,062,440 0.0 | | | W-INF | 300 | <5.0 | <5.0 | <5.0 | <5.0 | 770 | 0.207 | <32.3 | <0.0744 | <4.958 | 0.464 | 8.733 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 5.7 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 02/09/04 | System down on arrival (H/H holding tank, transfer pump appears to have failed). System shut down on departure. 1,062,450 0.0 | | | | | | | | | | | | | | | |
| 04/08/05 | Started system and ran water through system into holding tank (did not discharge). Approximately 400 gallons. 1,064,739 0.0 | | | W-INF | 600 | <0.50 | <0.5 | <0.5 | <0.5 | 748 | 0.009 | <32.3 | <0.0001 | <4.958 | 0.015 | 8.748 |
| | | | W-INT1 | <50.0 | <0.50 | <0.5 | <0.5 | <0.5 | <0.5 | 2.9 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | | | | |
| | | | W-EFF | <50.0 | <0.50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | | | | |
| 06/27/05 | 1,065,780 | 0.0 | | | | | | | | | | | | | | |
| 06/28/05 | 1,066,510 | 0.5 | | | | | | | | | | | | | | |
| 06/29/05 | 1,075,770 | 6.4 | | | | | | | | | | | | | | |
| 07/01/05 | 1,093,250 | 6.1 | | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|----------------------|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 07/08/05 | 1,146,060 | 5.2 | | | | | | | | | | | | | |
| 07/15/05 | 1,201,070 | 5.5 | | | | | | | | | | | | | |
| 07/22/05 | 1,257,570 | 5.6 | W-INF | 844 | 8.80 | 2.3 | 0.7 | 30.9 | 707 | 1,162 | <33.5 | 0.0075 | <4.966 | 1.170 | 9,918 |
| | | | W-INT1 | 151 | <0.50 | <0.5 | <0.5 | <0.5 | 151 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.5 | <0.5 | <0.5 | 1.9 | | | | | | |
| | | | W-EFF | <50.0 | <0.50 | <0.5 | <0.5 | <0.5 | <0.5 | | | | | | |
| 07/24/05 | 1,271,470 | 4.8 | | | | | | | | | | | | | |
| 07/29/05 | 1,272,030 | 0.1 | | | | | | | | | | | | | |
| 08/05/05 | 1,272,630 | 0.1 | W-INF | 713 | 6.01 | <0.500 | 0.569 | 9.69 | 647 | 0.098 | <33.6 | 0.0009 | <4.967 | 0.085 | 10.003 |
| | | | W-INT1 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 0.698 | | | | | | |
| | | | W-INT2 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | | | | | | |
| | | | W-EFF | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | | | | | | |
| 08/12/05 | 1,326,820 | 5.4 | | | | | | | | | | | | | |
| 08/19/05 | 1,330,450 | 0.4 | | | | | | | | | | | | | |
| 08/26/05 | 1,346,130 | 1.6 | | | | | | | | | | | | | |
| 09/02/05 | 1,384,160 | 3.8 | | | | | | | | | | | | | |
| 09/09/05 | 1,436,360 | 5.2 | W-INF | 681 | 0.96 | <0.50 | <0.50 | <0.50 | 664 | 0.952 | <34.5 | 0.0048 | <4.971 | 0.895 | 10.899 |
| | | | W-INT1 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-EFF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 09/16/05 | 1,488,660 | 5.2 | | | | | | | | | | | | | |
| 09/19/05 | 1,507,200 | 4.3 | | | | | | | | | | | | | |
| 10/07/05 | 1,507,820 | 0.0 | | | | | | | | | | | | | |
| 10/14/05 | 1,550,690 | 4.3 | | | | | | | | | | | | | |
| 10/21/05 | 1,563,060 | 1.2 | | | | | | | | | | | | | |
| 10/28/05 | 1,578,720 | 1.6 | | | | | | | | | | | | | |
| 11/04/05 | 1,634,790 | 5.6 | | | | | | | | | | | | | |
| 11/11/05 | 1,670,990 | 3.6 | W-INF | 858 | 0.86 | <0.50 | <0.50 | <0.50 | 695 | 1.506 | <36.0 | 0.0018 | <4.973 | 1.330 | 12.229 |
| | | | W-INT1 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | 3.25 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | 0.53 | | | | | | |
| | | | W-EFF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 11/18/05 | 1,706,440 | 3.5 | | | | | | | | | | | | | |
| 11/21/05 | 1,715,550 | 2.1 | | | | | | | | | | | | | |
| 12/02/05 | 1,772,310 | 3.6 | | | | | | | | | | | | | |
| 12/09/05 | 1,786,420 | 1.4 | W-INF | 1,060 | <0.50 | <0.50 | <0.50 | <0.50 | 821 | 0.924 | <36.9 | <0.0007 | <4.974 | 0.730 | 12.959 |
| | | | W-INT1 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | 16.0 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-EFF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 12/16/05 | 1,800,240 | 1.4 | | | | | | | | | | | | | |
| 12/22/05 | 1,804,140 | 0.5 | | | | | | | | | | | | | |
| 12/30/05 | 1,804,160 | 0.0 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|---|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 01/06/06 | 1,823,487 | 1.9 | W-INF | 3,210c | <0.50 | <0.50 | <0.50 | <0.50 | 1,240 | 0.660 | <37.6 | <0.0002 | <4.974 | 0.319 | 13.277 |
| | | | W-INT1 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | 28.8 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-EFF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 01/13/06 | 1,840,520 | 1.7 | | | | | | | | | | | | | |
| 01/20/06 | 1,853,860 | 1.3 | | | | | | | | | | | | | |
| 01/27/06 | 1,870,720 | 1.7 | | | | | | | | | | | | | |
| 02/03/06 | 1,887,390 | 1.7 | W-INF | 1,700d | <10 | <10 | <10 | <10 | 1,700 | 1.309 | <38.9 | <0.0028 | <4.977 | 0.784 | 14.061 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 35 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 02/10/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 1,904,310 | 1.7 | | | | | | | | | | | | | |
| 02/17/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 1,921,860 | 1.7 | | | | | | | | | | | | | |
| 02/23/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 1,936,920 | 1.7 | | | | | | | | | | | | | |
| 02/24/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 1,941,290 | 3.0 | | | | | | | | | | | | | |
| 03/03/06 | 1,972,060 | 3.1 | W-INF | <2,500 | <25 | <25 | <25 | <25 | 1,700 | <1.484 | <40.4 | <0.0124 | <4.989 | 1.201 | 15.262 |
| | | | W-INT1 | <500 | <5.0 | <5.0 | <5.0 | <5.0 | 250 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 03/10/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 1,989,680 | 1.8 | | | | | | | | | | | | | |
| 03/17/06 | System down on arrival (moisture separator tank [MST] high level). Restarted. Running on departure. | | | | | | | | | | | | | | |
| | 2,002,980 | 1.3 | | | | | | | | | | | | | |
| 03/24/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,038,840 | 3.6 | | | | | | | | | | | | | |
| 03/31/06 | System down on arrival. Restarted. Running on departure. | | | | | | | | | | | | | | |
| | 2,042,050 | 0.3 | | | | | | | | | | | | | |
| 04/07/06 | 2,079,030 | 3.7 | W-INF | <2,500 | <25 | <25 | <25 | <25 | 1,800 | <2.231 | <42.6 | <0.0223 | <5.011 | 1.562 | 16.824 |
| | | | W-INT1 | 400d | <2.5 | <2.5 | <2.5 | <2.5 | 440 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 04/13/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,109,320 | 3.5 | | | | | | | | | | | | | |
| 04/28/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,145,290 | 1.7 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 05/05/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,180,750 | 3.5 | W-INF | <2,500 | <25 | <25 | <25 | <25 | 1,800 | <2.122 | <44.7 | <0.0212 | <5.033 | 1.528 | 18.352 |
| | | | W-INT1 | 650d | <5.0 | <5.0 | <5.0 | <5.0 | 800 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | | |
| 05/12/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,213,710 | 3.3 | | | | | | | | | | | | | |
| 05/19/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,245,730 | 3.2 | | | | | | | | | | | | | |
| 05/25/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,272,150 | 3.1 | | | | | | | | | | | | | |
| 06/02/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,305,800 | 2.9 | | | | | | | | | | | | | |
| 06/09/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,334,660 | 2.9 | W-INF | <2,500 | <25 | <25 | <25 | <25 | 2,100 | <3.210 | <48.0 | <0.0321 | <5.065 | 2.504 | 20.856 |
| | | | W-INT1 | 1,200d | 15 | <10 | <10 | <10 | 1,100 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | | |
| 06/16/06 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 2,354,230 | 1.9 | | | | | | | | | | | | | |
| 06/23/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,364,230 | 1.0 | | | | | | | | | | | | | |
| 06/30/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,373,900 | 1.0 | | | | | | | | | | | | | |
| 07/05/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,381,000 | 1.0 | W-INF | 113 | <0.50 | <0.50 | <0.50 | <0.50 | 169 | 0.505 | <48.5 | <0.0049 | <5.070 | 0.439 | 21.294 |
| | | | W-INT1 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | 9.86 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | W-EFF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| 07/14/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,435,000 | 4.2 | | | | | | | | | | | | | |
| 07/21/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,471,700 | 3.6 | | | | | | | | | | | | | |
| 07/28/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,505,700 | 3.4 | | | | | | | | | | | | | |
| 08/04/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,541,520 | 3.6 | W-INF | 1,800 | 1.97 | <0.50 | <0.50 | 2.27 | 2,220 | 1.281 | <49.7 | 0.0017 | <5.071 | 1.600 | 22.894 |
| | | | W-INT1 | 619 | <0.50 | <0.50 | <0.50 | <0.50 | 646 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.50 | <0.50 | 0.64 | <0.50 | | | | | | |
| | | W-EFF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |
| 08/11/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,578,290 | 3.7 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|---|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 08/18/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,614,050 | 3.6 | | | | | | | | | | | | | |
| 08/25/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,614,100 | 0.0 | | | | | | | | | | | | | |
| 09/01/06 | System running on arrival and shut down on departure for carbon changeout. | | | | | | | | | | | | | | |
| | 2,651,170 | 3.7 | | | | | | | | | | | | | |
| 09/15/06 | Carbon changeout complete. Restart system. | | | | | | | | | | | | | | |
| | 2,651,170 | 0.0 | | | | | | | | | | | | | |
| 09/22/06 | System down on arrival and locked out/tagged out on departure for repairs. | | | | | | | | | | | | | | |
| | 2,670,860 | 2.0 | W-INF | 861 | <0.50 | <0.50 | <0.50 | 0.67 | 924 | 1.436 | <51.2 | <0.0013 | <5.073 | 1.696 | 24.590 |
| | | | W-INT1 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | 6.66 | | | | | | |
| | | | W-INT2 | <50.0 | 0.84 | <0.50 | <0.50 | 2.98 | 1.29 | | | | | | |
| | | | W-EFF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 10/06/06 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 2,670,860 | 0.0 | | | | | | | | | | | | | |
| 10/13/06 | System down on arrival and departure. | | | | | | | | | | | | | | |
| | 2,672,600 | 0.2 | | | | | | | | | | | | | |
| 10/20/06 | System down on arrival and locked out/tagged out on departure for carbon changeout. | | | | | | | | | | | | | | |
| | 2,672,860 | 0.0 | | | | | | | | | | | | | |
| 10/27/06 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 2,672,860 | 0.0 | W-INF | <2,500 | <25 | <25 | <25 | <25 | 2,400 | <0.028 | <51.2 | <0.0002 | <5.073 | 0.028 | 24.618 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 11/03/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,710,410 | 3.7 | | | | | | | | | | | | | |
| 11/10/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,751,080 | 4.0 | W-INF | 2,700d | <25 | <25 | <25 | <25 | 2,500 | 1.697 | <52.9 | <0.0163 | <5.089 | 1.599 | 26.217 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 11/14/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,775,140 | 4.2 | | | | | | | | | | | | | |
| 11/20/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,808,860 | 3.9 | | | | | | | | | | | | | |
| 11/27/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,845,210 | 3.6 | | | | | | | | | | | | | |
| 12/05/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,885,930 | 3.5 | W-INF | 2,500d | <25 | <25 | <25 | <25 | 2,300 | 2.925 | <55.8 | <0.0281 | <5.117 | 2.700 | 28.917 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 38 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 12/15/06 | System down on arrival and running departure. | | | | | | | | | | | | | | |
| | 2,885,930 | 0.0 | | | | | | | | | | | | | |
| 12/21/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,922,240 | 4.2 | | | | | | | | | | | | | |
| 12/26/06 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,944,490 | 3.1 | | | | | | | | | | | | | |
| 01/05/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 2,969,800 | 1.8 | | | | | | | | | | | | | |
| 01/12/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,012,350 | 4.2 | W-INF | 1,600d | <12 | <12 | <12 | <12 | 1,700 | 2.162 | <58.0 | <0.0195 | <5.137 | 2.110 | 31.027 |
| | | | W-INT1 | 580d | <5.0 | <5.0 | <5.0 | <5.0 | 590 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 01/19/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,046,970 | 3.4 | | | | | | | | | | | | | |
| 01/26/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,090,550 | 4.3 | | | | | | | | | | | | | |
| 02/02/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,129,760 | 3.9 | W-INF | 1,400d | <12 | <12 | <12 | <12 | 2,100 | 1.469 | <59.5 | <0.0118 | <5.149 | 1.861 | 32.888 |
| | | | W-INT1 | 1,100d | <10 | <10 | <10 | <10 | 1,400 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 02/09/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,169,480 | 3.9 | | | | | | | | | | | | | |
| 02/16/07 | System running on arrival and locked out/tagged out on departure for carbon changeout. | | | | | | | | | | | | | | |
| | 3,187,150 | 1.8 | | | | | | | | | | | | | |
| 02/23/07 | System locked out/tagged out on arrival and departure. | | | | | | | | | | | | | | |
| 03/02/07 | System locked out/tagged out on arrival and departure. | | | | | | | | | | | | | | |
| 03/09/07 | System locked out/tagged out on arrival and departure. | | | | | | | | | | | | | | |
| 04/03/07 | System locked out/tagged out on arrival, restarted, and running on departure. | | | | | | | | | | | | | | |
| | 3,187,660 | 0.0 | | | | | | | | | | | | | |
| 04/12/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,223,250 | 2.8 | W-INF | 2,700d,e | <25e | <25e | <25e | <25e | 3,100e | 1.599 | <61.1 | <0.0144 | <5.163 | 2.028 | 34.916 |
| | | | W-INT1 | 1,600d,e | <10e | <10e | <10e | <10e | 1,800e | | | | | | |
| | | | W-INT2 | <50e | <0.50 e | <0.50 e | <0.50 e | <0.50 e | <2.5 e | | | | | | |
| | | | W-EFF | <50 e | <0.50 e | <0.50 e | <0.50 e | <0.50 e | <2.5 e | | | | | | |
| 04/20/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,235,130 | 1.0 | | | | | | | | | | | | | |
| 04/25/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,246,590 | 1.6 | | | | | | | | | | | | | |
| 05/04/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,248,650 | 0.2 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 05/11/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,255,710 | 0.7 | W-INF | 2,200f | <10 f | <10f | <10f | <10f | 3,400f | 0.664 | <61.7 | <0.0047 | <5,168 | 0.880 | 35.796 |
| | | | W-INT1 | 1,000f | <10f | <10f | <10f | <10f | 1,600f | | | | | | |
| | | | W-INT2 | <50f | <0.50 f | <0.50 f | <0.50 f | <0.50 f | <0.50 f | | | | | | |
| 05/17/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,276,990 | 2.5 | W-INF | <50 f | <0.50 f | <0.50 f | <0.50 f | <0.50 f | 2.5 f | | | | | | |
| | | | W-INT1 | | | | | | | | | | | | |
| | | | W-INT2 | | | | | | | | | | | | |
| 05/25/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,284,770 | 0.7 | W-INF | | | | | | | | | | | | |
| 05/30/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,299,240 | 2.0 | W-INF | | | | | | | | | | | | |
| 06/01/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | | | W-INF | | | | | | | | | | | | |
| 06/08/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,338,400 | 3.0 | W-INF | | | | | | | | | | | | |
| 06/15/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | | | W-INF | | | | | | | | | | | | |
| 06/21/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,351,600 | 0.7 | W-INF | <2,500 | <25 | <25 | <25 | <25 | 1,600 | <1.880 | <63.6 | <0,0140 | <5,182 | 2.000 | 37.796 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 06/29/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,374,190 | 2.0 | W-INF | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | | | | | | |
| 07/06/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,382,010 | 0.8 | W-INF | | | | | | | | | | | | |
| 07/11/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,388,110 | 0.9 | W-INF | | | | | | | | | | | | |
| 07/18/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,409,620 | 2.1 | W-INF | | | | | | | | | | | | |
| 07/20/07 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 3,411,890 | 0.8 | W-INF | | | | | | | | | | | | |
| 07/24/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,416,420 | 0.8 | W-INF | | | | | | | | | | | | |
| 07/31/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,425,640 | 0.9 | W-INF | 1,040 | 0.86 | <0.50 | <0.50 | <0.50 | 684 | 1.093 | <64.7 | 0.0080 | <5,190 | 0.705 | 38.502 |
| | | | W-INT1 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 08/09/07 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,437,380 | 0.9 | W-INF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | W-INT1 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | 0.65 | | | | | | |
| | | | W-INT2 | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | W-EFF | <50.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|---|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 08/14/07 | System running on arrival and departure. 3,446,080 1.2 | | | | | | | | | | | | | | |
| 08/21/07 | System running on arrival and departure. 3,456,500 1.0 | | | | | | | | | | | | | | |
| 08/28/07 | System down on arrival and running on departure. 3,467,940 1.1 | | | | | | | | | | | | | | |
| 09/07/07 | System running on arrival and departure. 3,478,900 0.8 | | | | | | | | | | | | | | |
| 09/14/07 | System running on arrival and departure. 3,485,690 0.7 | | W-INF | 120 | <0.50 | <0.50 | <0.50 | <1.0 | 330 | 0.494 | <65.4 | <0.0002 | <5.190 | 0.387 | 39.000 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | 79 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 09/21/07 | System running on arrival and departure. 3,492,210 0.7 | | | | | | | | | | | | | | |
| 09/28/07 | System running on arrival and departure. 3,498,950 0.7 | | | | | | | | | | | | | | |
| 10/02/07 | System running on arrival and shut down on departure. 3,502,850 0.7 | | | | | | | | | | | | | | |
| 10/05/07 | System shut down on arrival and running on departure. 3,502,920 0.0 | | | | | | | | | | | | | | |
| 10/12/07 | System running on arrival and running on departure. 3,522,910 2.0 | | W-INF | 1,200 | <5.0 | <5.0 | <5.0 | <10 | 1,900 | 0.205 | <65.6 | <0.0009 | <5.191 | 0.346 | 39.346 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 10/16/07 | System running on arrival and running on departure. 3,524,550 0.3 | | | | | | | | | | | | | | |
| 10/22/07 | System running on arrival and running on departure. 3,546,660 2.6 | | | | | | | | | | | | | | |
| 11/02/07 | System running on arrival and running on departure. 3,556,830 0.6 | | | | | | | | | | | | | | |
| 11/09/07 | System running on arrival and running on departure. 3,576,540 2.0 | | W-INF | 550 | <2.5 | <2.5 | <2.5 | <5.0 | 1,700 | 0.392 | <65.9 | <0.0017 | <5.193 | 0.805 | 40.152 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 11/16/07 | System running on arrival and running on departure. 3,585,210 0.9 | | | | | | | | | | | | | | |
| 11/21/07 | System running on arrival and running on departure. 3,590,160 0.7 | | | | | | | | | | | | | | |
| 11/26/07 | System down on arrival and running on departure. 3,595,010 0.7 | | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | |
| 12/07/07 | System running on arrival and running on departure. 3,605,900 | | | 0.7 | | | | | | | | | | | | |
| | | | W-INF | 250 | <2.5 | <2.5 | <2.5 | <5.0 | 380 | 0.098 | <66.0 | <0.0006 | <5,193 | 0.255 | 40.407 | |
| | | | W-INT1 | <50 | <0.50 | 0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 12/13/07 | System running on arrival and running on departure. 3,609,430 | | | 0.4 | | | | | | | | | | | | |
| 12/14/07 | System shut down on arrival and departure. 3,610,550 | | | 0.8 | | | | | | | | | | | | |
| 12/19/07 | System down on arrival and running on departure. 3,610,960 | | | 0.1 | | | | | | | | | | | | |
| 12/21/07 | System running on arrival and running on departure. 3,617,270 | | | 2.2 | | | | | | | | | | | | |
| 12/27/07 | System running on arrival and running on departure. 3,628,510 | | | 1.3 | | | | | | | | | | | | |
| 01/04/08 | System down on arrival and down on departure. 3,635,950 | | | 0.7 | | | | | | | | | | | | |
| 01/07/08 | System restarted. 3,635,950 | | | 0.0 | | | | | | | | | | | | |
| 01/18/08 | System running on arrival and departure. 3,647,250 | | | 0.7 | | | | | | | | | | | | |
| | | | W-INF | 360 | <1.0 | <1.0 | <1.0 | <2.0 | 500 | 0.105 | <66.2 | <0.0006 | <5,194 | 0.152 | 40.558 | |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 01/25/08 | System down on arrival and running on departure. 3,653,500 | | | 0.6 | | | | | | | | | | | | |
| 01/27/08 | System down on arrival and running on departure. 3,654,200 | | | 0.2 | | | | | | | | | | | | |
| 01/31/08 | System down on arrival and running on departure. 3,659,910 | | | 1.0 | | | | | | | | | | | | |
| 02/08/08 | System running on arrival and departure. 3,690,670 | | | 2.7 | | | | | | | | | | | | |
| 02/15/08 | Restart system; running on departure. 3,704,620 | | | 1.4 | | | | | | | | | | | | |
| | | | W-INF | <50 | <10.00 | 29 | <10.00 | 49 | 2,400 | <0.098 | <66.2 | <0.0026 | <5,196 | 0.694 | 41.252 | |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 14 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 02/22/08 | System running on arrival and departure. 3,716,980 | | | 1.2 | | | | | | | | | | | | |
| 02/26/08 | System running on arrival and departure. 3,722,530 | | | 1.0 | | | | | | | | | | | | |
| 03/06/08 | System running on arrival and departure. 3,738,110 | | | 1.2 | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | |
|----------|---|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|--------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | |
| 03/14/08 | System running on arrival and departure. 3,749,150 1.0 | | | | | | | | | | | | | | | |
| 03/21/08 | System down on arrival and running on departure. 3,757,000 0.8 | | | | | | | | | | | | | | | |
| 03/28/08 | System down on arrival and running on departure. 3,757,540 0.1 | | | W-INF | 120 | <0.50 | <0.50 | <0.50 | <1.0 | 210 | 0.038 | <66.3 | <0.0023 | <5.199 | 0.576 | 41.829 |
| | | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 21 | | | | | | |
| | | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 04/05/08 | System running on arrival and departure. 3,757,690 0.0 | | | | | | | | | | | | | | | |
| 04/11/08 | System running on arrival and down on departure. 3,757,750 0.0 | | | W-INF | 370 | <0.50 | <0.50 | <0.50 | <1.0 | 270 | 0.000 | <66.3 | <0.0000 | <5.199 | 0.000 | 41.829 |
| | | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 24 | | | | | | |
| | | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 04/15/08 | System down on arrival and running on departure. 3,757,750 0.0 | | | | | | | | | | | | | | | |
| 04/22/08 | System running on arrival and departure. 3,761,040 0.3 | | | | | | | | | | | | | | | |
| 05/02/08 | System running on arrival and departure. 3,769,160 0.6 | | | | | | | | | | | | | | | |
| 05/06/08 | System running on arrival and departure. 3,774,830 1.0 | | | W-INF | 870 | <2.5 | <2.5 | <2.5 | <5.0 | 1,300 | 0.088 | <66.4 | <0.0002 | <5.199 | 0.112 | 41,941 |
| | | | | W-INT1 | 65 | <0.50 | <0.50 | <0.50 | <1.0 | 86 | | | | | | |
| | | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 05/16/08 | System running on arrival and departure. 3,785,690 0.8 | | | | | | | | | | | | | | | |
| 05/23/08 | System running on arrival and departure. 3,788,780 0.3 | | | | | | | | | | | | | | | |
| 05/28/08 | System running on arrival and departure. 3,790,260 0.2 | | | | | | | | | | | | | | | |
| 06/03/08 | System running on arrival and departure. 3,795,970 0.7 | | | W-INF | 630 | <1.0 | <1.0 | <1.0 | <2.0 | 550 | 0.132 | <66.5 | <0.0003 | <5.199 | 0.163 | 42.104 |
| | | | | W-INT1 | 82 | 0.56 | <1.4 | <0.50 | <1.0 | 17 | | | | | | |
| | | | | W-INT2 | <50 | 0.62 | 1.5 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 06/13/08 | System running on arrival and departure. 3,796,670 0.1 | | | | | | | | | | | | | | | |
| 06/17/08 | System running on arrival and departure. 3,797,130 0.1 | | | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 06/23/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,797,230 | 0.0 | | | | | | | | | | | | | |
| 07/03/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,797,330 | 0.0 | | | | | | | | | | | | | |
| 07/08/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,797,510 | 0.0 | W-INF | 640 | <2.5 | <2.5 | <2.5 | <5.0 | 1,200 | 0.008 | <66.5 | <0.0000 | <5.199 | 0.011 | 42.115 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 77 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 07/15/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,797,760 | 0.0 | W-INF | <50 | 2.0 | <0.50 | <0.50 | <1.0 | 120 | <0.001 | <66.5 | 0.0000 | <5.199 | 0.001 | 42.117 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 07/21/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,799,120 | 0.2 | | | | | | | | | | | | | |
| 07/29/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,799,560 | 0.0 | | | | | | | | | | | | | |
| 08/08/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,799,950 | 0.0 | | | | | | | | | | | | | |
| 08/15/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,800,390 | 0.0 | | | | | | | | | | | | | |
| 08/22/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,800,440 | 0.0 | W-INF | 150 | 4.0 | <0.50 | <0.50 | <1.0 | 370 | 0.002 | <66.5 | 0.0001 | <5.199 | 0.005 | 42.122 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 08/29/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,801,090 | 0.1 | | | | | | | | | | | | | |
| 09/05/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,801,360 | 0.0 | W-INF | 570 | 5.6 | <5.0 | <5.0 | <10 | 4,700 | 0.003 | <66.5 | 0.0000 | <5.199 | 0.019 | 42.142 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 09/12/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,801,700 | 0.0 | | | | | | | | | | | | | |
| 09/19/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,802,220 | 0.1 | | | | | | | | | | | | | |
| 09/26/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,821,130 | 1.9 | | | | | | | | | | | | | |
| 10/03/08 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 3,829,660 | 0.9 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|---|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 10/10/08 | System running on arrival and departure. 3,836,030 | | | | | | | | | | | | | | |
| | | 0.6 | W-INF | 410 | <1.0 | <1.00 | <1.00 | <2.0 | 640 | 0.142 | <66.7 | <0.0010 | <5.200 | 0.772 | 42.914 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 10/17/08 | System running on arrival and departure. 3,842,780 | | | | | | | | | | | | | | |
| | | 0.7 | | | | | | | | | | | | | |
| 10/31/08 | System running on arrival and departure. 3,859,120 | | | | | | | | | | | | | | |
| | | 0.8 | | | | | | | | | | | | | |
| 11/07/08 | System running on arrival and departure. 3,865,290 | | | | | | | | | | | | | | |
| | | 0.6 | | | | | | | | | | | | | |
| 11/15/08 | System running on arrival and departure. 3,871,710 | | | | | | | | | | | | | | |
| | | 0.6 | | | | | | | | | | | | | |
| 11/17/08 | System running on arrival and departure. 3,872,707 | | | | | | | | | | | | | | |
| | | 0.4 | W-INF | 550 | <1.0 | <1.0 | <1.0 | <2.0 | 940 | 0.147 | <66.8 | <0.0003 | <5.201 | 0.242 | 43.156 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 11/25/08 | System running on arrival and departure. 3,875,830 | | | | | | | | | | | | | | |
| | | 0.3 | | | | | | | | | | | | | |
| 12/05/08 | System running on arrival and departure. 3,883,530 | | | | | | | | | | | | | | |
| | | 0.5 | | | | | | | | | | | | | |
| 12/12/08 | System running on arrival and departure. 3,887,570 | | | | | | | | | | | | | | |
| | | 0.4 | W-INF | 180 | <0.50 | <0.50 | <0.50 | <1.0 | 280 | 0.045 | <66.9 | <0.0001 | <5.201 | 0.076 | 43.231 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 12/16/08 | System running on arrival and departure. 3,891,390 | | | | | | | | | | | | | | |
| | | 0.7 | | | | | | | | | | | | | |
| 12/24/08 | System running on arrival and departure. 3,892,540 | | | | | | | | | | | | | | |
| | | 0.1 | | | | | | | | | | | | | |
| 01/02/09 | System running on arrival and departure. 3,912,840 | | | | | | | | | | | | | | |
| | | 1.6 | | | | | | | | | | | | | |
| 01/09/09 | System running on arrival and departure. 3,921,110 | | | | | | | | | | | | | | |
| | | 0.8 | W-INF | 63 | <0.50 | <0.50 | <0.50 | <1.0 | 310 | 0.034 | <66.9 | <0.0001 | <5.201 | 0.083 | 43.314 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 01/16/09 | System running on arrival and departure. 3,923,430 | | | | | | | | | | | | | | |
| | | 0.2 | | | | | | | | | | | | | |
| 01/20/09 | System running on arrival and departure. 3,928,540 | | | | | | | | | | | | | | |
| | | 0.9 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | |
|----------|---|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|--------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | |
| 01/30/09 | System running on arrival and departure. 3,939,740 | | | | | | | | | | | | | | | |
| 02/06/09 | System running on arrival and departure. 3,947,850 | | | | | | | | | | | | | | | |
| 02/13/09 | System running on arrival and departure. 3,955,300 | | | W-INF | 97 | <0.50 | <0.50 | <0.50 | <1.0 | 400 | 0.023 | <66.9 | <0.0001 | <5.201 | 0.101 | 43.415 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 02/20/09 | System down on arrival and departure. 3,961,760 | | | | | | | | | | | | | | | |
| 02/27/09 | System down on arrival and departure. 3,961,760 | | | | | | | | | | | | | | | |
| 03/06/09 | System running on arrival and departure. 3,969,890 | | | | | | | | | | | | | | | |
| 03/10/09 | System down on arrival and running on departure. 4,385,120 | | | | | | | | | | | | | | | |
| 03/13/09 | System running on arrival and departure. 3,989,370 | | | W-INF | 310 | 1.5 | <0.50 | <0.50 | 1.6 | 410 | 0.058 | <67.0 | 0.0003 | <5.201 | 0.115 | 43.530 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 03/20/09 | System running on arrival and departure. 3,999,140 | | | | | | | | | | | | | | | |
| 03/23/09 | System running on arrival and departure. 3,999,870 | | | | | | | | | | | | | | | |
| 03/31/09 | System running on arrival and departure. 4,009,710 | | | | | | | | | | | | | | | |
| 04/07/09 | System running on arrival and departure. 4,015,770 | | | W-INF | 360 | <0.50 | <0.50 | <0.50 | <1.0 | 490 | 0.074 | <67.0 | <0.0002 | <5.202 | 0.099 | 43.629 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 04/17/09 | System running on arrival and departure. 4,030,486 | | | | | | | | | | | | | | | |
| 04/29/09 | System running on arrival and departure. 4,047,450 | | | | | | | | | | | | | | | |
| 05/01/09 | System running on arrival and departure. 4,057,140 | | | | | | | | | | | | | | | |
| 05/08/09 | System running on arrival and departure. 4,064,660 | | | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 05/15/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,070,650 | 0.6 | W-INF | 360 | <0.50 | <0.50 | <0.50 | <1.0 | 470 | 0.165 | <67.2 | <0.0002 | <5.202 | 0.220 | 43.849 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 05/22/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,075,430 | 0.5 | | | | | | | | | | | | | |
| 05/29/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,077,470 | 0.2 | | | | | | | | | | | | | |
| 06/05/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,083,490 | 0.6 | | | | | | | | | | | | | |
| 06/11/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,094,140 | 1.2 | W-INF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 700 | <0.040 | <67.2 | <0.0001 | <5.202 | 0.115 | 43.964 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | W-EFF | <50 | <0.50 | 0.69g | <0.50 | 3.4 | <5.0 | | | | | | | |
| 06/12/09 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,095,170 | 0.7 | | | | | | | | | | | | | |
| 06/19/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,104,580 | 1.9 | | | | | | | | | | | | | |
| 06/26/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,112,860 | 0.8 | | | | | | | | | | | | | |
| 06/29/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,116,600 | 0.9 | | | | | | | | | | | | | |
| 07/10/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,129,920 | 0.8 | | | | | | | | | | | | | |
| 07/17/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,137,560 | 0.8 | W-INF | 160 | <2.5 | <2.5 | <2.5 | <5.0 | 220 | 0.038 | <67.3 | <0.0005 | <5.202 | 0.167 | 44.130 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 07/24/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,145,570 | 0.8 | | | | | | | | | | | | | |
| 07/31/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,152,830 | 0.7 | | | | | | | | | | | | | |
| 08/04/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,157,350 | 0.8 | W-INF | 260 | 1.3 | 1.0 | <0.50 | 1.4g | 340 | 0.035 | <67.3 | 0.0003 | <5.203 | 0.046 | 44.177 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 08/14/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,167,720 | 0.7 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPH _g Removed | | Benzene Removed | | MTBE Removed | |
|----------|---|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|--------------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPH _g (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 08/21/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,175,880 | 0.8 | | | | | | | | | | | | | |
| 08/28/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,183,940 | 0.8 | | | | | | | | | | | | | |
| 09/04/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,190,890 | 0.7 | | | | | | | | | | | | | |
| 09/11/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,198,820 | 0.8 | | | | | | | | | | | | | |
| 09/14/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,202,640 | 0.9 | W-INF | 1,300 | 3.8g | <2.5 | <2.5 | <5.0 | 2,200 | 0.295 | <67.6 | 0.0010 | <5.204 | 0.480 | 44.657 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 09/25/09 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,224,590 | 1.4 | | | | | | | | | | | | | |
| 10/02/09 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,236,600 | 1.2 | | | | | | | | | | | | | |
| 10/15/09 | System running on arrival and down on departure for carbon changeout. | | | | | | | | | | | | | | |
| | 4,260,050 | 1.3 | W-INF | 380h | <2.5 | <2.5 | <2.5 | <5.0 | 670 | 0.402 | <68.0 | <0.0015 | <5.205 | 0.687 | 45.344 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 9.1 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 10/19/09 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,260,050 | 0.0 | | | | | | | | | | | | | |
| 10/30/09 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,260,050 | 0.0 | | | | | | | | | | | | | |
| 11/06/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,260,660 | 0.1 | W-INF | 73h | 5.4 | <2.5 | <2.5 | <5.0 | 58 | 0.001 | <68.0 | 0.0000 | <5.205 | 0.002 | 45.346 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 11/13/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,260,670 | 0.0 | | | | | | | | | | | | | |
| 11/20/09 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,261,910 | 0.1 | | | | | | | | | | | | | |
| 11/25/09 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,265,320 | 0.5 | | | | | | | | | | | | | |
| 12/04/09 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,278,560 | 1.0 | | | | | | | | | | | | | |
| 12/11/09 | System down on arrival and departure. | | | | | | | | | | | | | | |
| | 4,280,560 | 0.2 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 12/18/09 | System down on arrival and departure. | | | | | | | | | | | | | | |
| | 4,280,650 | 0.0 | W-INF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | <0.010 | <68.0 | <0.0005 | <5.206 | <0.005 | <45.351 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 12/23/09 | System down on arrival and departure. | | | | | | | | | | | | | | |
| | 4,280,660 | 0.0 | | | | | | | | | | | | | |
| 12/31/09 | System down on arrival and departure. | | | | | | | | | | | | | | |
| | 4,280,660 | 0.0 | | | | | | | | | | | | | |
| 01/08/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,284,140 | 0.3 | | | | | | | | | | | | | |
| 01/15/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,288,090 | 0.4 | W-INF | 300h | <0.50 | <0.50 | <0.50 | <1.0 | 450 | 0.011 | <68.0 | <0.0000 | <5.206 | 0.014 | <45.365 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 01/22/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,291,420 | 0.3 | | | | | | | | | | | | | |
| 01/29/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,294,656 | 0.3 | | | | | | | | | | | | | |
| 02/05/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,297,890 | 0.3 | | | | | | | | | | | | | |
| 02/12/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,301,320 | 0.3 | W-INF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 110 | <0.019 | <68.1 | <0.0001 | <5.206 | 0.031 | <45.396 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 02/19/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,331,510 | 3.0 | | | | | | | | | | | | | |
| 02/26/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,358,820 | 2.7 | | | | | | | | | | | | | |
| 03/06/10 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,384,020 | 2.2 | | | | | | | | | | | | | |
| 03/09/10 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,384,970 | 0.2 | | | | | | | | | | | | | |
| 03/10/10 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,385,120 | 0.1 | | | | | | | | | | | | | |
| 03/12/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,393,310 | 1.9 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 03/19/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,425,590 | 3.2 | W-INF | 1,100 | 8.5 | <5.0 | <5.0 | <10 | 1,700 | 0.596 | <68.7 | 0.0047 | <5.210 | 0.938 | <46.334 |
| | | | W-INT1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 03/26/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,457,600 | 3.2 | | | | | | | | | | | | | |
| 04/02/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,477,070 | 1.9 | | | | | | | | | | | | | |
| 04/07/10 | System running on arrival and down on departure. | | | | | | | | | | | | | | |
| | 4,489,430 | 1.7 | | | | | | | | | | | | | |
| 04/16/10 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,489,500 | 0.0 | | | | | | | | | | | | | |
| 04/23/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,518,760 | 2.9 | W-INF | 950h | <5.0 | <5.0 | <5.0 | <10 | 1,400 | 0.797 | <69.5 | <0.0052 | <5,216 | 1.205 | <47.539 |
| | | | W-INT1 | 120h | <0.50 | <0.50 | <0.50 | <1.0 | 180 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 04/30/10 | System down on arrival and departure. | | | | | | | | | | | | | | |
| | 4,545,880 | 2.7 | | | | | | | | | | | | | |
| 05/05/10 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,546,150 | 0.0 | | | | | | | | | | | | | |
| 05/07/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,552,010 | 2.0 | | | | | | | | | | | | | |
| 05/14/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,572,650 | 2.1 | W-INF | 1,000h | <5.0 | <5.0 | <5.0 | <10 | 1,400 | 0.438 | <69.9 | <0.0022 | <5,218 | 0.629 | <48.169 |
| | | | W-INT1 | 340h | <0.50 | <0.50 | <0.50 | <1.0 | 420 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| 05/21/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,592,460 | 1.8 | | | | | | | | | | | | | |
| 05/28/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,611,710 | 1.9 | | | | | | | | | | | | | |
| 06/04/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,631,150 | 1.9 | | | | | | | | | | | | | |
| 06/09/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,642,820 | 1.6 | | | | | | | | | | | | | |
| 06/18/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,663,990 | 2.5 | W-INF | 650h | <2.5 | <2.5 | <2.5 | <5.0 | 950 | 0.629 | <70.5 | <0.0029 | <5,221 | 0.895 | <49.064 |
| | | | W-INT1 | 500h | <2.5 | <2.5 | <2.5 | <5.0 | 760 | | | | | | |
| | | | W-INT2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | W-EFF | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | |
|----------|--|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) |
| 06/23/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,675,290 | 1.0 | | | | | | | | | | | | | |
| 06/30/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,691,220 | 1.6 | | | | | | | | | | | | | |
| 07/07/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,706,210 | 1.5 | | | | | | | | | | | | | |
| 07/14/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,720,680 | 1.4 | W-INF-HT | 710h | <2.5 | <2.5 | <2.5 | <5.0 | 1,000 | 0.322 | <70.8 | <0.0012 | <5.222 | 0.461 | <49.525 |
| | | | W-OUT-WC1 | 450h | <2.5 | <2.5 | <2.5 | <5.0 | 670 | | | | | | |
| | | | W-OUT-WC2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-PSP-1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 07/22/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,735,260 | 1.3 | | | | | | | | | | | | | |
| 07/29/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,747,631 | 1.2 | | | | | | | | | | | | | |
| 08/03/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,755,840 | 1.1 | | | | | | | | | | | | | |
| 08/11/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,767,777 | 1.0 | W-INF-HT | 670h | <2.5 | <2.5 | <2.5 | <5.0 | 750 | 0.271 | <71.1 | <0.0010 | <5.223 | 0.344 | <49.869 |
| | | | W-OUT-WC1 | 490 h | <2.5 | <2.5 | <2.5 | <5.0 | 620 | | | | | | |
| | | | W-OUT-WC2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-PSP-1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 08/17/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,775,300 | 0.9 | | | | | | | | | | | | | |
| 08/24/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,781,750 | 0.6 | | | | | | | | | | | | | |
| 09/01/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,786,540 | 0.4 | | | | | | | | | | | | | |
| 09/09/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,789,970 | 0.3 | W-INF-HT | 980h | <2.5 | <2.5 | <2.5 | <5.0 | 990 | 0.153 | <71.3 | <0.0005 | <5.223 | 0.161 | <50.030 |
| | | | W-OUT-WC1 | 500h | <2.5 | <2.5 | <2.5 | <5.0 | 560 | | | | | | |
| | | | W-OUT-WC2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| | | | W-PSP-1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | |
| 09/14/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,802,950 | 1.8 | | | | | | | | | | | | | |
| 09/16/10 | System down on arrival and running on departure. | | | | | | | | | | | | | | |
| | 4,810,780 | 2.7 | | | | | | | | | | | | | |
| 09/24/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,828,980 | 1.6 | | | | | | | | | | | | | |
| 10/01/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,846,780 | 1.8 | | | | | | | | | | | | | |
| 10/05/10 | System running on arrival and departure. | | | | | | | | | | | | | | |
| | 4,856,970 | 1.8 | | | | | | | | | | | | | |

TABLE 2
OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
Former Exxon Service Station 70104
1725 Park Street
Alameda, California

| Date | Total Flow (gallons) | Average Flow Rate (gpm) | Sample ID | Laboratory Analytical Results | | | | | | TPHg Removed | | Benzene Removed | | MTBE Removed | | |
|----------|---|-------------------------|-----------|-------------------------------|----------|----------|----------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
| | | | | TPHg (µg/l) | B (µg/l) | T (µg/l) | E (µg/l) | X (µg/l) | MTBE (µg/l) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | Per Period (lbs) | Cumulative (lbs) | |
| 10/15/10 | System running on arrival and departure. 4,882,060 | | | | | | | | | | | | | | | |
| 10/25/10 | System down on arrival and running on departure. 4,903,760 | | | | | | | | | | | | | | | |
| | | 1.5 | W-INF-HT | 520 | <2.5 | <2.5 | <2.5 | <5.0 | 830 | 0.712 | <72.0 | <0.0024 | <5.226 | 0.864 | <50.894 | |
| | | | W-OUT-WC1 | 350 | <2.5 | <2.5 | <2.5 | <5.0 | 600 | | | | | | | |
| | | | W-OUT-WC2 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | | | | | | | |
| | | | W-PSP-1 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | 25 | | | | | | | |
| 11/04/10 | System running on arrival and departure. 4,929,030 | | | | | | | | | | | | | | | |
| | | 1.8 | | | | | | | | | | | | | | |

TABLE 2
 OPERATION AND PERFORMANCE DATA FOR GROUNDWATER PUMP AND TREAT SYSTEM
 Former Exxon Service Station 70104
 1725 Park Street
 Alameda, California

| | |
|------------------|--|
| Notes: | * If value is below laboratory detection limit, then detection limit value is used for removal calculations. Data prior to April 1, 2000, provided by Delta Environmental Consultants, Inc. |
| W- INF/W-INF-HT | = Water sample collected at the influent sample port. |
| W-INT1/WC-OUT-WC | = Water sample collected at the intermediate 1 sample port. |
| W-INT2/WC-OUT-WC | = Water sample collected at the intermediate 2 sample port. |
| W-EFF/W-PSP#1 | = Water sample collected at the effluent sample port. Also referred to as PSP#1 for reporting purposes. |
| TPHg | = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified)/8015B or LUFT GCMS. |
| BTEX | = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 5030/8021B or 624. |
| MTBE | = Methyl tertiary butyl ether analyzed using EPA Method 8020/8021B. |
| gal | = Gallons. |
| gpm | = Gallons per day. |
| µg/L | = Micrograms per liter. |
| lbs | = Pounds. |
| < | = Less than the stated laboratory method reporting limit. |
| --- | = Not sampled/Not analyzed/Not recorded/Not measured/Not calculated/Not applicable. |
| a | = Incorrect sample date is shown on laboratory report. The correct date is shown on table. |
| b | = Estimated value above laboratory equipment calibration range. |
| c | = Analyte detected in associated Method Blank. |
| d | = The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range. |
| e | = Samples exceeded the EPA recommended temperature for analyses. |
| f | = Sample analyzed past EPA recommended hold time. |
| g | = Analyte presence was not confirmed by second column or GC/MS analysis. |
| h | = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. |