ExxonMobil Refining & Supply Company
Global Remediation – US Retail
4096 Piedmont Avenue #194
Oakland, California 94611
510.547.8196
510.547.8706 Fax
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek
Project Manager

ExxonMobil
*Refining & Supply*

July 12, 2006

Mr. Chris Murray
Industrial Waste Inspector
City of Santa Rosa Utilities Department
Environmental Services Section
4300 Llano Road
Santa Rosa, California 95407

**RE: Former Exxon RAS #7-0277/1101 Yulupa Avenue, Santa Rosa, California.**

Dear Mr. Murray:

Attached for your review and comment is a copy of the letter report entitled ***Laboratory Analysis Results of Groundwater Treatment System,*** dated July 12, 2006, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details remedial activities at the subject site.

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

Sincerely,

FDR
Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Laboratory Analysis Results of Groundwater Treatment System, dated July 12, 2006.

cc: w/ attachment
Mr. Jo Bentz, California Regional Water Quality Control Board, North Coast Region

w/o attachment
Mr. James F. Chappell, Environmental Resolutions, Inc.

ERI

**ENVIRONMENTAL RESOLUTIONS, INC.**

July 12, 2006
ERI 210111CM.L38

Ms. Jennifer C. Sedlachek
ExxonMobil Refining & Supply – Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611

**SUBJECT** Laboratory Analysis Results of Groundwater Treatment System, Second Quarter 2006
Former Exxon Service Station 7-0277
1101 Yulupa Avenue, Santa Rosa, California

**City of Santa Rosa Industrial User Permit No. SR-GW6590**

Ms. Sedlachek:

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) is submitting this letter to the Santa Rosa Subregional Wastewater Management System as the Quarterly Self-Monitoring Report for second quarter 2006 for the groundwater extraction and treatment (GET) system located at 1101 Yulupa Avenue, Santa Rosa, California. This report covers activities from March 30, 2006, through June 26, 2006.

ERI began operating the GET system under City of Santa Rosa Discharge Permit No. SR-GW6590 on February 17, 2005. The GET system extracted, treated, and discharged approximately 899,825 gallons in compliance with permit conditions during the second quarter 2006 reporting period.

ERI collects influent (before treatment) and effluent (after treatment) samples on a monthly basis from the system and submits the samples for analysis to a California state-certified laboratory under Chain-of-Custody protocol. Samples are analyzed for total petroleum hydrocarbons as gasoline (TPHg) using Environmental Protection Agency (EPA) Method 8015B; and benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), and volatile organic compounds using EPA Method 624. ERI also collects samples from the intermediate 1 (between the first and second carbon vessels) and intermediate 2 (between the second and third carbon vessels) sample locations to monitor carbon performance. Samples collected from the intermediate locations are analyzed for TPHg, BTEX, and MTBE using the methods previously listed.

Operation and performance data for the GET system is included in Table 1. Completed critical parameters report forms for each monthly sampling event are included in Attachment A. Laboratory analysis reports and Chain-of-Custody records for each monthly sampling event are included in Attachment B.

*601 North McDowell Boulevard, Petaluma, California 94954 707-766-2000 FAX 707-789-0414*
*Lake Forest • Petaluma • Seattle • Phoenix*

## DOCUMENT DISTRIBUTION

ERI recommends forwarding a copy of this report to:

Mr. Chris Murray
Subregional Water Management System
Industrial Waste Section
4300 Llano Road
Santa Rosa, California 95407

Ms. Jo Bentz
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Please contact Mr. James F. Chappell, ERI's project manager for this site, at (707) 766-2000 with any questions.

Sincerely,
Environmental Resolutions, Inc.

Matthew J. Herman
Senior Staff Engineer

James F. Chappell
Project Manager

Attachments: Table 1: Operation and Performance Data for Groundwater Extraction and Treatment System

Attachment A: Critical Parameters Report Forms
Attachment B: Laboratory Analysis Reports and Chain-of-Custody Records

TABLE 5A
OPERATION AND PERFORMANCE DATA FOR
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 2 of 8)

| Date | Hours | Totalizer Effluent (gal) | Total Volume (gal) | Average Flowrate (gpm) | Sample ID | Laboratory Analytical Results TPHd (µg/L) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | TPHg Removal Per Period (lbs) | TPHg Removal Cumulative (lbs) | Benzene Removal Per Period (lbs) | Benzene Removal Cumulative (lbs) | MTBE Removal Per Period (lbs) | MTBE Removal Cumulative (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/17/03 | System running on arrival and departure. Collected samples. | | | | | | | | | | | | | | | | | |
| | 1,438 | 177,460 | | 1.1 | | | | | | | | | | | | | | |
| 11/24/03 | System running on arrival and departure. Collected samples. | | | | | | | | | | | | | | | | | |
| | 1,604 | 178,680 | | 0.1 | | | | | | | | | | | | | | |
| 12/01/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| | 1,769 | 179,270 | | 0.1 | | | | | | | | | | | | | | |
| 12/15/03 | System down on arrival, replaced RW2 pump, restarted system. | | | | | | | | | | | | | | | | | |
| | 1,771 | 179,440 | | 0.0 | | | | | | | | | | | | | | |
| 12/22/03 | System down on arrival (H/H well box). Reset and restarted system, collected monthly samples. b | | | | | | | | | | | | | | | | | |
| | 1,864 | 180,660 | | 0.1 | W-INF | < 48 | < 50 | < 1 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.006 | < 0.086 | < 0.0001 | < 0.002 | < 0.000 | < 0.031 |
| | | | | | W-BIO-INF | — | — | — | — | — | — | — | | | | | | |
| | | | | | W-BIO-EFF | < 48 | 3,600 | 7000.00 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 1 | < 48 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 2 | < 48 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | < 47 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 12/29/03 | System down on arrival (H/H well box). Reset and restarted system. | | | | | | | | | | | | | | | | | |
| | 1,897 | 184,700 | | 0.4 | | | | | | | | | | | | | | |
| 01/12/04 | System down on arrival (H/H well box). Reset and restarted system. | | | | | | | | | | | | | | | | | |
| | 1,964 | 192,500 | | 0.4 | | | | | | | | | | | | | | |
| 01/26/04 | System running on arrival and departure, collected monthly GRS samples. | | | | | | | | | | | | | | | | | |
| | 2,281 | 220,840 | | 1.4 | W-INF | < 51 | < 50 | 12 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.017 | < 0.102 | < 0.0002 | < 0.002 | < 0.002 | < 0.033 |
| | | | | | W-BIO-INF | < 51 | < 50 | 62 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-BIO-EFF | < 51 | 930 | 1600 | < 25 | <25 | <25 | <25 | | | | | | |
| | | | | | W-INT 1 | < 51 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 2 | < 50 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | < 50 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 02/09/04 | System running on arrival and down on departure for carbon changeout (3 @ 500 lbs, virgin coconut acid washed). Collected monthly samples. | | | | | | | | | | | | | | | | | |
| | 2,577 | 228,430 | | 0.4 | W-INF | < 50 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.009 | < 0.111 | < 0.0001 | < 0.0020 | < 0.0004 | < 0.033 |
| | | | | | W-BIO-INF | 57c | 150 | 210 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-BIO-EFF | < 51 | 770 | 1800 | < 5.0 | <5.0 | <5.0 | <5.0 | | | | | | |
| | | | | | W-INT 1 | < 51 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 2 | < 51 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | < 51 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 02/23/04 | System down on arrival and departure for carbon changeout and hydration. | | | | | | | | | | | | | | | | | |
| 03/01/04 | System down on arrival and departure, collected bio-assay samples. | | | | | | | | | | | | | | | | | |
| 03/03/04 | System down on arrival and departure, collected bio-assay samples. | | | | | | | | | | | | | | | | | |
| 03/10/04 | System down on arrival, set up acid wash recirculation (not discharging), to lower pH of carbon vessels. | | | | | | | | | | | | | | | | | |
| 03/18/04 | System down on arrival, continued acid wash procedure on carbon vessels. | | | | | | | | | | | | | | | | | |
| 03/22/04 | Completed acid wash of carbon vessels, stable at low 7's. | | | | | | | | | | | | | | | | | |
| 03/31/04 | System down on arrival and departure, repaired secondary containment, ready to re-innoculate bio and discharge to storage tank. | | | | | | | | | | | | | | | | | |
| 05/19/04 | Collected full sample run from system excluding Bio-Assay. Not discharging until authorization is granted from regional board. | | | | | | | | | | | | | | | | | |
| | 2,577 | 228,430 | | 0.0 | W-INF | < 50 | < 50 | 2.2 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.000 | < 0.111 | < 0.0000 | < 0.0020 | < 0.0000 | < 0.033 |
| | | | | | W-BIO-EFF | < 50 | < 50 | 1.4 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 1 | < 50 | < 50 | 1.4 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 2 | < 50 | < 50 | 1.1 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | < 50 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 6/7/04-6/11/04 | Collected bioassay samples, (Ceriodaphnia dubia). Passed the test. | | | | | | | | | | | | | | | | | |
| 07/21/04 | Discharged treated water. | | | | | | | | | | | | | | | | | |
| | | 228,800 | | 1.1 | | | | | | | | | | | | | | |

**TABLE 5A**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 3 of 6)

| Date | Hours | Totalizer Effluent (gal) | Total Volume (gal) | Average Flowrate (gpm) | Sample ID | Laboratory Analytical Results TPHd (µg/L) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | TPHg Removal Per Period (lbs) | TPHg Removal Cumulative (lbs) | Benzene Removal Per Period (lbs) | Benzene Removal Cumulative (lbs) | MTBE Removal Per Period (lbs) | MTBE Removal Cumulative (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/22/04 | Discharged treated water. | | | | | | | | | | | | | | | | | |
| | | 231,340 | | 1.8 | | | | | | | | | | | | | | |
| 07/26/04 | Collected bioassay samples for fat head larvae and selanastrum algae. Both tests passed. | | | | | | | | | | | | | | | | | |
| 09/08/04 | Discharged treated water. | | | | | | | | | | | | | | | | | |
| | | 233,360 | | 0.0 | | | | | | | | | | | | | | |
| 09/08/04 | System shut down awaiting sewer discharge permit and system retrofit. Final totalizer reading is 233,360. | | | | | | | | | | | | | | | | | |
| 02/17/05 | System retrofit and discharge permit complete. Started system and collected samples. Water stored in tank, no discharge. | | | | | | | | | | | | | | | | | |
| 02/17/05 | 2,603 | 406 | 233,766 | | W-INF | — | < 50.0 | 1.60 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.002 | < 0.114 | < 0.00002 | < 0.0020 | 0.0001 | < 0.033 |
| | | | | | W-INT1 | — | < 50.0 | 1.10 | < 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 | | | | | | |
| 03/01/05 | Discharged water from tank to sewer with City of Santa Rosa approval. Restarted system and left running. | | | | | | | | | | | | | | | | | |
| 03/01/05 | 2,607 | 1,560 | 234,920 | 0.1 | | | | | | | | | | | | | | |
| 03/03/05 | 2,622 | 22,000 | 255,360 | 7.1 | W-INF | — | < 50.0 | 6.20 | < 0.50 | 0.7 | <0.5 | 1.5 | < 0.009 | < 0.123 | < 0.0001 | < 0.0021 | 0.0007 | < 0.034 |
| | | | | | W-INT1 | — | < 50.0 | — | < 0.50 | 0.5 | <0.5 | 0.8 | | | | | | |
| | | | | | W-INT2 | — | < 50.0 | — | < 0.50 | <0.5 | <0.5 | <0.5 | | | | | | |
| | | | | | W-EFF | — | < 50.0 | < 0.50 | < 0.50 | <0.5 | <0.5 | <0.5 | | | | | | |
| 03/10/05 | 2,828 | 94,870 | 328,230 | 7.2 | | | | | | | | | | | | | | |
| 03/17/05 | 3,484 | 124,520 | 357,680 | 2.9 | | | | | | | | | | | | | | |
| 03/24/05 | — | 130,100 | 363,460 | 0.6 | | | | | | | | | | | | | | |
| 03/31/05 | — | 140,324 | 373,884 | 1.0 | | | | | | | | | | | | | | |
| 04/07/05 | — | 189,664 | 423,024 | 4.9 | W-INF | — | 50.3 | 7.30 | 2.10 | <1.00 | <1.00 | <1.00 | < 0.070 | < 0.193 | < 0.0018 | < 0.0040 | 0.0004 | < 0.044 |
| | | | | | W-INT1 | — | < 50.0 | — | < 0.50 | <0.5 | <0.5 | <0.5 | | | | | | |
| | | | | | W-INT2 | — | < 50.0 | — | < 0.50 | <0.5 | <0.5 | <0.5 | | | | | | |
| | | | | | W-EFF | — | < 50.0 | < 1.00 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| 04/14/05 | — | 198,131 | 431,491 | 0.8 | | | | | | | | | | | | | | |
| 04/21/05 | — | 273,224 | 506,584 | 7.4 | | | | | | | | | | | | | | |
| 04/28/05 | — | 367,210 | 600,570 | 9.3 | | | | | | | | | | | | | | |
| 05/05/05 | — | 450,250 | 683,610 | 8.2 | W-INF | — | 85.3 | 6.90 | 2.60 | <1.00 | <1.00 | <1.00 | 0.126 | < 0.318 | 0.0051 | < 0.0091 | 0.0154 | < 0.059 |
| | | | | | W-INT1 | — | < 50.0 | 2.00 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| | | | | | W-INT2 | — | < 50.0 | — | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| | | | | | W-EFF | — | < 50.0 | < 1.00 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| 05/12/05 | — | 468,470 | 699,830 | 1.6 | | | | | | | | | | | | | | |
| 05/19/05 | — | 537,330 | 770,690 | 7.0 | | | | | | | | | | | | | | |
| 05/26/05 | — | 628,444 | 861,804 | 9.0 | | | | | | | | | | | | | | |
| 06/02/05 | — | 721,050 | 954,410 | 9.2 | | | | | | | | | | | | | | |
| 06/09/05 | — | 821,250 | 1,054,610 | 9.9 | W-INF | — | 139 | 5.60 | 4.70 | <0.50 | <0.50 | 1.00 | 0.316 | < 0.635 | 0.0113 | < 0.0204 | 0.0193 | < 0.078 |
| | | | | | W-INT1 | — | < 50.0 | 2.20 | < 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 | | | | | | |
| 06/16/05 | — | 919,920 | 1,153,280 | 9.8 | | | | | | | | | | | | | | |
| 06/23/05 | — | 1,007,440 | 1,240,800 | 8.7 | | | | | | | | | | | | | | |
| 06/30/05 | — | 1,084,852 | 1,318,212 | 7.7 | | | | | | | | | | | | | | |
| 07/07/05 | — | 1,108,585 | 1,341,945 | 2.4 | W-INF | — | 94.0 | 4.50 | 1.00 | <1.00 | <1.00 | <1.00 | 0.279 | < 0.914 | 0.0068 | < 0.0272 | 0.0121 | < 0.090 |
| | | | | | W-INT1 | — | < 50.0 | 2.00 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| | | | | | W-INT2 | — | < 50.0 | < 1.00 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| | | | | | W-EFF | — | < 50.0 | < 1.00 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| 07/14/05 | — | 1,194,084 | 1,427,444 | 8.5 | | | | | | | | | | | | | | |
| 07/21/05 | — | 1,231,536 | 1,464,896 | 3.7 | | | | | | | | | | | | | | |
| 07/28/05 | — | 1,280,000 | 1,513,360 | 4.8 | | | | | | | | | | | | | | |

**TABLE 5A**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 4 of 6)

| Date | Hours | Totalizer Effluent (gal) | Total Volume (gal) | Average Flowrate (gpm) | Sample ID | Laboratory Analytical Results TPHd (µg/L) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | TPHg Removal Per Period (lbs) | TPHg Removal Cumulative (lbs) | Benzene Removal Per Period (lbs) | Benzene Removal Cumulative (lbs) | MTBE Removal Per Period (lbs) | MTBE Removal Cumulative (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08/04/05 | — | 1,325,990 | 1,559,350 | 4.6 | W-INF | — | 47.8 | 3.06 | < 1.00 | <1.00 | <1.00 | <1.00 | 0.129 | < 1.043 | < 0.0018 | < 0.0290 | 0.0069 | < 0.097 |
| | | | | | W-INT1 | — | < 50.0 | 1.95 | < 0.500 | <0.500 | <0.500 | <0.500 | | | | | | |
| | | | | | W-INT2 | — | < 50.0 | < 1.00 | < 0.500 | <0.500 | <0.500 | <0.500 | | | | | | |
| | | | | | W-EFF | — | < 50.0 | < 0.50 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| 08/11/05 | — | 1,330,920 | 1,564,280 | 0.5 | | | | | | | | | | | | | | |
| 08/18/05 | — | 1,366,800 | 1,600,160 | 3.6 | | | | | | | | | | | | | | |
| 08/25/05 | — | 1,369,500 | 1,602,860 | 0.3 | | | | | | | | | | | | | | |
| 09/01/05 | — | 1,406,425 | 1,639,785 | 3.7 | | | | | | | | | | | | | | |
| 09/08/05 | — | 1,410,620 | 1,643,980 | 0.4 | W-INF | — | < 50.0 | 2.55 | < 1.00 | <1.00 | <1.00 | <1.00 | < 0.035 | < 1.077 | < 0.0007 | < 0.0297 | 0.0020 | < 0.099 |
| | | | | | W-INT1 | — | < 50.0 | 1.61 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| | | | | | W-INT2 | — | < 50.0 | < 1.00 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| | | | | | W-EFF | — | < 50.0 | < 0.50 | < 1.00 | <1.00 | <1.00 | <1.00 | | | | | | |
| 09/15/05 | — | 1,451,838 | 1,685,198 | 4.1 | | | | | | | | | | | | | | |
| 09/22/05 | — | 1,452,662 | 1,686,022 | 0.1 | | | | | | | | | | | | | | |
| 09/29/05 | — | 1,466,134 | 1,699,494 | 1.3 | | | | | | | | | | | | | | |
| 10/06/05 | — | 1,471,344 | 1,704,704 | 0.5 | W-INF | — | < 50.0 | 1.50 | < 1.00 | <1.00 | <1.00 | <2.00 | < 0.025 | < 1.102 | < 0.0005 | < 0.0302 | 0.0010 | < 0.100 |
| | | | | | W-INT1 | — | < 50.0 | 0.74 | < 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 | < 1.00 | < 1.00 | <1.00 | <1.00 | <2.00 | | | | | | |
| 10/13/05 | — | 1,490,810 | 1,724,170 | 1.9 | | | | | | | | | | | | | | |
| 10/20/05 | — | 1,499,453 | 1,732,813 | 0.9 | | | | | | | | | | | | | | |
| 10/27/05 | — | 1,500,130 | 1,733,490 | 0.1 | | | | | | | | | | | | | | |
| 11/03/05 | — | 1,500,130 | 1,733,490 | 0.0 | | | | | | | | | | | | | | |
| 11/10/05 | — | 1,500,130 | 1,733,490 | 0.0 | W-INF | — | < 50.0 | 1.13 | < 0.500 | <0.500 | <0.500 | <1.00 | < 0.012 | < 1.114 | < 0.0002 | < 0.0304 | 0.0003 | < 0.101 |
| | | | | | W-INT1 | — | < 50.0 | 0.99 | < 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 | < 0.500 | < 0.500 | <0.500 | <0.500 | <1.00 | | | | | | |
| 11/17/05 | — | 1,554,977 | 1,788,337 | 5.4 | | | | | | | | | | | | | | |
| 11/22/05 | — | 1,619,180 | 1,852,540 | 8.9 | | | | | | | | | | | | | | |
| 12/01/05 | — | 1,705,410 | 1,938,770 | 6.7 | | | | | | | | | | | | | | |
| 12/04/05 | — | 1,723,791 | 1,957,151 | 4.3 | | | | | | | | | | | | | | |
| 12/08/05 | — | 1,735,780 | 1,969,140 | 2.1 | | | | | | | | | | | | | | |
| 12/15/05 | — | 1,742,196 | 1,975,556 | 0.6 | W-INF | — | < 50.0 | < 1.00 | < 1.00 | <1.00 | <1.00 | <2.00 | < 0.101 | < 1.215 | < 0.0015 | < 0.0319 | 0.0022 | < 0.103 |
| | | | | | W-INT1 | — | < 50.0 | 1.22 | < 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 | < 1.00 | < 1.00 | <1.00 | <1.00 | <2.00 | | | | | | |
| 12/22/05 | — | 1,759,700 | 1,993,060 | 1.7 | | | | | | | | | | | | | | |
| 01/04/06 | — | 1,760,247 | 1,993,607 | 0.0 | | | | | | | | | | | | | | |
| 01/05/06 | — | 1,769,830 | 2,003,190 | 6.7 | | | | | | | | | | | | | | |
| 01/10/06 | System shut down for filter replacement. | | | | | | | | | | | | | | | | | |
| 01/10/06 | — | 1,828,512 | 2,061,872 | 8.2 | | | | | | | | | | | | | | |
| 01/19/06 | Filter replacement complete, restart system. | | | | | | | | | | | | | | | | | |
| 01/19/06 | — | 1,828,676 | 2,062,036 | 0.0 | W-INF | — | < 50 | 2.9 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.036 | < 1.251 | < 0.0005 | < 0.0325 | 0.0014 | < 0.104 |
| | | | | | W-INT1 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT2 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | — | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 01/26/06 | — | 1,901,140 | 2,134,500 | 7.2 | | | | | | | | | | | | | | |
| 02/03/06 | — | 1,978,496 | 2,211,856 | 6.7 | W-INF | — | 110 | 5.6 | 2.9 | <0.50 | <0.50 | <0.50 | < 0.100 | < 1.351 | < 0.0021 | < 0.0346 | 0.0053 | < 0.109 |
| | | | | | W-INT1 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT2 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | — | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 02/09/06 | — | 2,055,750 | 2,289,110 | 8.9 | | | | | | | | | | | | | | |
| 02/16/06 | — | 2,133,000 | 2,366,360 | 7.7 | | | | | | | | | | | | | | |
| 02/23/06 | — | 2,212,570 | 2,445,930 | 7.9 | | | | | | | | | | | | | | |
| 03/02/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |

**TABLE 5A**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 5 of 6)

| Date | Hours | Totalizer Effluent (gal) | Total Volume (gal) | Average Flowrate (gpm) | Sample ID | Laboratory Analytical Results TPHd (µg/L) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | TPHg Removal Per Period (lbs) | TPHg Removal Cumulative (lbs) | Benzene Removal Per Period (lbs) | Benzene Removal Cumulative (lbs) | MTBE Removal Per Period (lbs) | MTBE Removal Cumulative (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/02/06 | — | 2,292,789 | 2,526,149 | 8.0 | W-INF | — | 160 | 6.0 | 4.8 | <0.50 | <0.50 | 1.3 | 0.354 | < 1.705 | < 0.0101 | < 0.0447 | 0.0152 | < 0.125 |
| | | | | | W-INT1 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT2 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | — | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 03/09/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 03/09/06 | — | 2,351,370 | 2,584,730 | 5.8 | | | | | | | | | | | | | | |
| 03/16/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 03/16/06 | — | 2,413,600 | 2,647,160 | 6.2 | | | | | | | | | | | | | | |
| 03/23/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 03/23/06 | — | 2,472,855 | 2,706,215 | 5.9 | | | | | | | | | | | | | | |
| 03/30/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 03/30/06 | — | 2,539,985 | 2,773,345 | 6.7 | | | | | | | | | | | | | | |
| 04/06/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 04/06/06 | — | 2,607,880 | 2,841,240 | 6.7 | W-INF | — | 250 | 4.2 | < 0.50 | <0.50 | <0.50 | <0.50 | 0.539 | < 2.244 | < 0.0070 | < 0.0516 | 0.0134 | < 0.138 |
| | | | | | W-INT1 | — | < 50 | 2.6 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT2 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | — | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 04/13/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 04/13/06 | — | 2,670,199 | 2,903,559 | 6.2 | | | | | | | | | | | | | | |
| 04/20/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 04/20/06 | — | 2,703,880 | 2,937,240 | 3.3 | | | | | | | | | | | | | | |
| 04/26/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 04/26/06 | — | 2,761,530 | 2,994,890 | 6.7 | | | | | | | | | | | | | | |
| 05/04/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 05/04/06 | — | 2,852,170 | 3,085,530 | 7.9 | W-INF | — | 240 | 5.0 | 6.0 | 0.69 | 1.1 | 5.0 | 0.499 | < 2.744 | < 0.0066 | < 0.0583 | 0.0094 | < 0.147 |
| | | | | | W-INT1 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT2 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | — | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 05/11/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 05/11/06 | — | 2,930,018 | 3,163,378 | 7.7 | | | | | | | | | | | | | | |
| 05/18/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 05/18/06 | — | 3,006,806 | 3,240,166 | 7.6 | | | | | | | | | | | | | | |
| 05/26/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 05/26/06 | — | 3,095,250 | 3,328,610 | 7.7 | | | | | | | | | | | | | | |
| 06/01/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 06/01/06 | — | 3,162,888 | 3,396,248 | 7.6 | | | | | | | | | | | | | | |
| 06/05/06 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 06/05/06 | — | 3,205,350 | 3,438,710 | 7.4 | W-INF | — | 190 | 3.9 | 2.4 | <0.50 | <0.50 | 2.2 | 0.634 | < 3.377 | < 0.0124 | < 0.0706 | 0.0131 | < 0.161 |
| | | | | | W-INT1 | — | < 50 | 2.7 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT2 | — | < 50 | < 2.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | — | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |

**TABLE 6A**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 6 of 6)

Notes:

| | | |
|---|---|---|
| W-INF | = | Water influent from recovery wells. |
| W-BIO-INF | = | Water influent from the recovery wells and nutrient tank, before the bioreactor. |
| W-BIO-EFF | = | Water effluent from the bioreactor, before carbon vessel 1. |
| W-INT1 | = | Water intermediate between carbon vessels 1 and 2. |
| W-INT2 | = | Water intermediate between carbon vessels 2 and 3. |
| W-EFF | = | Water effluent. |
| TPHd | = | Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B modified. |
| TPHg | = | Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B modified. |
| MTBE | = | Methyl tertiary butyl ether analyzed using EPA Method 8260B or EPA 624. |
| BTEX | = | Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B. |
| TBA | = | Tertiary butyl alcohol analyzed using EPA Method 8260B or EPA 624. |
| DIPE | = | Di-isopropyl ether analyzed using EPA Method 8260B or EPA 624. |
| TAME | = | Tertiary amyl methyl ether analyzed using EPA Method 8260B or EPA 624. |
| ETBE | = | Ethyl tertiary butyl ether analyzed using EPA Method 8260B or EPA 624. |
| MeOH | = | Methanol analyzed using EPA Method 8015B modified or EPA 624. |
| EtOH | = | Ethanol analyzed using EPA Method 8260B or EPA 624. |
| 1,2-DCA | = | 1,2-Dichloroethane analyzed using EPA Method 8260B or EPA 624. |
| EDB | = | 1,2-Dibromoethane analyzed using EPA Method 8260B or EPA 624. |
| Other VOCs | = | Volatile organic compounds other than those listed in Appendix A of NPDES Order R1-2001-9, analyzed using EPA Method 8260B or EPA 624. |
| Antimony | = | Antimony analyzed using EPA Method 6010/200.8. |
| Arsenic | = | Arsenic analyzed using EPA Method 6010/200.8. |
| Barium | = | Barium analyzed using EPA Method 6010/200.8. |
| Beryllium | = | Beryllium analyzed using EPA Method 6010/200.8. |
| Cadmium | = | Cadmium analyzed using EPA Method 6010/200.8. |
| Chromium (total) | = | Chromium (total) analyzed using EPA Method 6010/200.8. |
| Chromium (VI) | = | Hexavalent chromium analyzed using EPA Method 7196A. |
| Cobalt | = | Cobalt analyzed using EPA Method 6010/200.8. |
| Copper | = | Copper analyzed using EPA Method 6010/200.8. |
| Cyanide | = | Cyanide analyzed using EPA Method 335.2. |
| Lead | = | Lead analyzed using EPA Method 6010/200.8. |
| Mercury | = | Mercury analyzed using EPA Method 245.1. |
| Molybdenum | = | Molybdenum analyzed using EPA Method 6010/200.8. |
| Nickel | = | Nickel analyzed using EPA Method 6010/200.8. |
| Selenium | = | Selenium analyzed using EPA Method 6010/200.8. |
| Silver | = | Silver analyzed using EPA Method 6010/200.8. |
| Thallium | = | Thallium analyzed using EPA Method 6010/200.8. |
| Vanadium | = | Vanadium analyzed using EPA Method 6010/200.8. |
| Zinc | = | Zinc analyzed using EPA Method 6010/200.8. |
| µg/L | = | Micrograms per liter. |
| lbs | = | Pounds. |
| ND | = | Not detected at or above the laboratory reporting limit. |
| < | = | Less than the stated laboratory reporting limit. |
| — | = | Not measured/Not analyzed/Not sampled. |
| a | = | Analyzed using EPA Method 8260B. |
| b | = | The samples identified as W-INT1, W-INT2, and W-INT3 in the laboratory analytical reports for samples collected 11/03/03 and 12/22/03 correspond with W-BIO-EFF, W-INT1, and W-INT2, respectively, in this table. |
| c | = | Diesel-range organic compounds reported in sample; however, the chromatogram pattern is not representative of diesel fuel. |
| d | = | Dichlorodifluoromethane. |

# ATTACHMENT A

# CRITICAL PARAMETERS REPORT FORMS

Report: CPR2OT
Page: 1

Santa Rosa Subregional
Wastewater Management System
Industrial Wastewater
Critical Parameters Report Form
Self Monitoring Report - Due Jun2006

Run Date: 05May2006
Time: 21:00:49

PERMIT.: SR-GW6590
SIC....: 1381

LAST REPORTED SAMPLING: 02Mar2006
PERMIT EXPIRATION DATE: 23Jan2010

MAIL TO:
EXXONMOBIL OIL CORP
JAMES CHAPPELL
601 N. MCDOWELL BLVD
PETALUMA, CA 94954

LOCATED AT:
EXXONMOBIL OIL CORP
1101 YULUPA AVE
SANTA ROSA, CA 95405

Your critical Parameters (Self Monitoring) report is due in this office by the last day of Jun2006. The parameters noted below must be tested and the form completed and returned to the SANTA ROSA SUBREGIONAL WATER RECLAMATION SYSTEM, 4300 LLANO RD, SANTA ROSA, CA 95407. For more information regarding this report see the self monitoring page of your wastewater discharge permit and/or call 707-543-3369.

| IDENT CODE | PARAMETER | QUANTITY VALUES | |
|---|---|---|---|
| 004 | benzene | <0.0005 | mg/l |
| 038 | ethylbenzene | <0.0005 | mg/l |
| 086 | toluene * | <0.0005 | mg/l |
| 130 | xylene | <0.0005 | mg/l |
| 245 | total petroleum hydrocarbons-gas | <0.050 | mg/l |
| 246 | total petroleum hydrocarbons-diesel | N/A | mg/l |

Santa Rosa Subregional
Wastewater Management System
Industrial Wastewater
Critical Parameters Report Form
Self Monitoring Report - Due Jun2006

Run Date: 05May2006
Time: 21:00:49

1. Report all critical parameters required by the Santa Rosa Wastewater Management System. Test procedures must be in accordance with the standards set forth in 40 CFR 136 and amendments thereto. Results of analyses MUST be submitted to this office by the last day of June, 2006. A signed laboratory analysis report MUST ACCOMPANY THIS DOCUMENT.

2. All analyses must be performed by a laboratory certified by the State of California. Samples must be collected as specified on page 2 of your permit.

Jon Herman — 4-6-06
(Print) Name of Person Collecting Sample. — Sample Date

W-EFF, effluent — Grab — 15:00
(Print) Sample Point, Location — Grab/Composite Time Start/Finish

Sequoia Analytical 885 Jarvis Drive, Morgan Hill, California
(Print) Name and Address of Laboratory Performing Analysis

1210
Labs. State Certification Number

Exxon Mobil Corporation — 1381
(Print) Name of Company having Wastewater Discharge — SIC #

1101 Yulupa Avenue, Santa Rosa, California
(Print) Address of Wastewater Discharge

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

RESPONSIBLE PERSON — 07/07/06 DATE

GENE N. ORTEGA — PROJECT MANAGER
PRINT NAME — TITLE

THIS DOCUMENT MUST BE SIGNED BY THE MOST RESPONSIBLE PERSON OF THE ORGANIZATION. THIS INCLUDES THE OWNER, PRESIDENT, CORPORATE OFFICER, OR ANY OTHER REPRESENTATIVE OF THE ORGANIZATION IN A DECISION MAKING CAPACITY. THE PERSON SIGNING THIS DOCUMENT IS LEGALLY RESPONSIBLE FOR ALL INFORMATION CONTAINED HEREIN, AND BECOMES LIABLE FOR ANY AND ALL FUTURE ENFORCEMENT ACTIONS.

Santa Rosa Subregional
Wastewater Management System
Industrial Wastewater
Critical Parameters Report Form
Self Monitoring Report - Due Jun2006

Run Date: 05May2006
Time: 21:00:49

PERMIT.: SR-GW6590
SIC....: 1381

LAST REPORTED SAMPLING: 02Mar2006
PERMIT EXPIRATION DATE: 23Jan2010

MAIL TO:
EXXONMOBIL OIL CORP
JAMES CHAPPELL
601 N. MCDOWELL BLVD
PETALUMA, CA 94954

LOCATED AT:
EXXONMOBIL OIL CORP
1101 YULUPA AVE
SANTA ROSA, CA 95405

Your critical Parameters (Self Monitoring) report is due in this office by the last day of Jun2006. The parameters noted below must be tested and the form completed and returned to the SANTA ROSA SUBREGIONAL WATER RECLAMATION SYSTEM, 4300 LLANO RD, SANTA ROSA, CA 95407. For more information regarding this report see the self monitoring page of your wastewater discharge permit and/or call 707-543-3369.

| IDENT CODE | PARAMETER | QUANTITY VALUES | |
|---|---|---|---|
| 004 | benzene | <0.0005 | mg/l |
| 038 | ethylbenzene | <0.0005 | mg/l |
| 086 | toluene * | <0.0005 | mg/l |
| 130 | xylene | <0.0005 | mg/l |
| 245 | total petroleum hydrocarbons-gas | <0.050 | mg/l |
| 246 | total petroleum hydrocarbons-diesel | N/A | mg/l |

Wastewater Management System
Industrial Wastewater
Critical Parameters Report Form
Self Monitoring Report - Due Jun2006

Run Date: 05May2006
Time: 21:00:49

1. Report all critical parameters required by the Santa Rosa Wastewater Management System. Test procedures must be in accordance with the standards set forth in 40 CFR 136 and amendments thereto. Results of analyses MUST be submitted to this office by the last day of June, 2006. A signed laboratory analysis report MUST ACCOMPANY THIS DOCUMENT.

2. All analyses must be performed by a laboratory certified by the State of California. Samples must be collected as specified on page 2 of your permit.

Jon Herman — 5-4-06
(Print) Name of Person Collecting Sample. — Sample Date

W-EFF, effluent — Grab — 16:00
(Print) Sample Point, Location — Grab/Composite — Time Start/Finish

Sequoia Analytical 885 Jarvis Drive, Morgan Hill, California
(Print) Name and Address of Laboratory Performing Analysis

1210
Labs. State Certification Number

Exxon Mobil Corporation — 1381
(Print) Name of Company having Wastewater Discharge — SIC #

1101 Yulupa Avenue, Santa Rosa, California
(Print) Address of Wastewater Discharge

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

RESPONSIBLE PERSON — 07/07/06 DATE

GENE N. ORTEGA — PRINT NAME

PROJECT MANAGER — TITLE

THIS DOCUMENT MUST BE SIGNED BY THE MOST RESPONSIBLE PERSON OF THE ORGANIZATION. THIS INCLUDES THE OWNER, PRESIDENT, CORPORATE OFFICER, OR ANY OTHER REPRESENTATIVE OF THE ORGANIZATION IN A DECISION MAKING CAPACITY. THE PERSON SIGNING THIS DOCUMENT IS LEGALLY RESPONSIBLE FOR ALL INFORMATION CONTAINED HEREIN, AND BECOMES LIABLE FOR ANY AND ALL FUTURE ENFORCEMENT ACTIONS.

Report: CPR2OT
Page: 1

Santa Rosa Subregional
Wastewater Management System
Industrial Wastewater
Critical Parameters Report Form
Self Monitoring Report - Due Jun2006

Run Date: 05May2006
Time: 21:00:49

PERMIT.: SR-GW6590
SIC....: 1381

LAST REPORTED SAMPLING: 02Mar2006
PERMIT EXPIRATION DATE: 23Jan2010

MAIL TO:
EXXONMOBIL OIL CORP
JAMES CHAPPELL
601 N. MCDOWELL BLVD
PETALUMA, CA 94954

LOCATED AT:
EXXONMOBIL OIL CORP
1101 YULUPA AVE
SANTA ROSA, CA 95405

Your critical Parameters (Self Monitoring) report is due in this office by the last day of Jun2006. The parameters noted below must be tested and the form completed and returned to the SANTA ROSA SUBREGIONAL WATER RECLAMATION SYSTEM, 4300 LLANO RD, SANTA ROSA, CA 95407. For more information regarding this report see the self monitoring page of your wastewater discharge permit and/or call 707-543-3369.

| IDENT CODE | PARAMETER | QUANTITY VALUES | |
|---|---|---|---|
| 004 | benzene | <0.0005 | mg/l |
| 038 | ethylbenzene | <0.0005 | mg/l |
| 086 | toluene * | <0.0005 | mg/l |
| 130 | xylene | <0.0005 | mg/l |
| 245 | total petroleum hydrocarbons-gas | <0.050 | mg/l |
| 246 | total petroleum hydrocarbons-diesel | NA | mg/l |

Wastewater Management System
Industrial Wastewater
Critical Parameters Report Form
Self Monitoring Report - Due Jun2006

Run Date: 05May2006
Time: 21:00:49

1. Report all critical parameters required by the Santa Rosa Wastewater Management System. Test procedures must be in accordance with the standards set forth in 40 CFR 136 and amendments thereto. Results of analyses MUST be submitted to this office by the last day of June, 2006. A signed laboratory analysis report MUST ACCOMPANY THIS DOCUMENT.

2. All analyses must be performed by a laboratory certified by the State of California. Samples must be collected as specified on page 2 of your permit.

Jon Herman — 6-5-06
(Print) Name of Person Collecting Sample. — Sample Date

W-EFF, effluent — Grab — 10:00
(Print) Sample Point, Location — Grab/Composite — Time Start/Finish

Sequoia Analytical 885 Jarvis Drive, Morgan Hill, California
(Print) Name and Address of Laboratory Performing Analysis

1210
Labs. State Certification Number

Exxon Mobil Corporation — 1381
(Print) Name of Company having Wastewater Discharge — SIC #

1101 Yulupa Avenue, Santa Rosa, California
(Print) Address of Wastewater Discharge

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

RESPONSIBLE PERSON — 07/07/06 DATE

GENE N. ORTEGA — PROJECT MANAGER
PRINT NAME — TITLE

THIS DOCUMENT MUST BE SIGNED BY THE MOST RESPONSIBLE PERSON OF THE ORGANIZATION. THIS INCLUDES THE OWNER, PRESIDENT, CORPORATE OFFICER, OR ANY OTHER REPRESENTATIVE OF THE ORGANIZATION IN A DECISION MAKING CAPACITY. THE PERSON SIGNING THIS DOCUMENT IS LEGALLY RESPONSIBLE FOR ALL INFORMATION CONTAINED HEREIN, AND BECOMES LIABLE FOR ANY AND ALL FUTURE ENFORCEMENT ACTIONS.

# ATTACHMENT B

# LABORATORY ANALYSIS REPORTS AND CHAIN-OF-CUSTODY RECORDS

**Sequoia Analytical**

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

20 June, 2006

James Chappell
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Exxon 7-0277
Work Order: MPD0296

Enclosed are the results of analyses for samples received by the laboratory on 04/10/06 19:00. The samples arrived at a temperature of 6° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| W-EFF | MPD0296-01 | Water | 04/06/06 15:00 | 04/10/06 19:00 |
| W-INT2 | MPD0296-02 | Water | 04/06/06 15:30 | 04/10/06 19:00 |
| W-INT1 | MPD0296-03 | Water | 04/06/06 16:00 | 04/10/06 19:00 |
| W-INF | MPD0296-04 | Water | 04/06/06 16:30 | 04/10/06 19:00 |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

**W-EFF (MPD0296-01) Water Sampled: 04/06/06 15:00 Received: 04/10/06 19:00**

## Purgeable Hydrocarbons by EPA 8015B
## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6D18003 | 04/18/06 | 04/18/06 | EPA 8015B-VOA | |
| *Surrogate: 4-Bromofluorobenzene* | | *95 %* | *75-125* | | " | " | " | " | |

## Purgeables by EPA Method 624
## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-butyl ether | ND | 0.50 | ug/l | 1 | 6D19005 | 04/19/06 | 04/19/06 | EPA 624 | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Bromoform | ND | 0.50 | " | " | " | " | " | " | |
| Bromomethane | ND | 1.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.50 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| Chloroethane | ND | 1.0 | " | " | " | " | " | " | |
| Chloroform | ND | 0.50 | " | " | " | " | " | " | |
| 2-Chloroethylvinyl ether | ND | 20 | " | " | " | " | " | " | CC01, QL06, PH |
| Chloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.50 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.50 | " | " | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPD0296<br>**Reported:**<br>06/20/06 19:05 |

**W-EFF (MPD0296-01) Water Sampled: 04/06/06 15:00 Received: 04/10/06 19:00**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | 1 | 6D19005 | 04/19/06 | 04/19/06 | EPA 624 |
| Trichloroethene | ND | 0.50 | " | " | " | " | " | " |
| Trichlorofluoromethane | ND | 0.50 | " | " | " | " | " | " |
| Vinyl chloride | ND | 0.50 | " | " | " | " | " | " |
| *Surrogate: 1,2-Dichloroethane-d4* | | *117 %* | | *50-150* | " | " | " | " |
| *Surrogate: 1,4-Difluorobenzene* | | *103 %* | | *70-140* | " | " | " | " |
| *Surrogate: 4-Bromofluorobenzene* | | *98 %* | | *70-120* | " | " | " | " |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPD0296<br>Reported:<br>06/20/06 19:05 |

**W-INT2 (MPD0296-02) Water Sampled: 04/06/06 15:30 Received: 04/10/06 19:00**

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6D18003 | 04/18/06 | 04/18/06 | EPA 8015B/8021B | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | |
| *Surrogate: a,a,a-Trifluorotoluene* | | *108 %* | | *85-120* | | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *96 %* | | *75-125* | | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

**W-INT1 (MPD0296-03) Water Sampled: 04/06/06 16:00 Received: 04/10/06 19:00**

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

### Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6D18003 | 04/18/06 | 04/18/06 | EPA 8015B/8021B | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| **Methyl tert-butyl ether** | **2.6** | 2.5 | " | " | " | " | " | " | |
| *Surrogate: a,a,a-Trifluorotoluene* | | *107 %* | *85-120* | | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *96 %* | *75-125* | | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

**W-INF (MPD0296-04) Water Sampled: 04/06/06 16:30 Received: 04/10/06 19:00**

## Purgeable Hydrocarbons by EPA 8015B
## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (C4-C12)** | **250** | 50 | ug/l | 1 | 6D18003 | 04/18/06 | 04/18/06 | EPA 8015B-VOA | |
| *Surrogate: 4-Bromofluorobenzene* | | *94 %* | *75-125* | | " | " | " | " | |

## Purgeables by EPA Method 624
## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Methyl tert-butyl ether** | 4.2 | 0.50 | ug/l | 1 | 6D19005 | 04/19/06 | 04/19/06 | EPA 624 | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Bromoform | ND | 0.50 | " | " | " | " | " | " | |
| Bromomethane | ND | 1.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.50 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| Chloroethane | ND | 1.0 | " | " | " | " | " | " | |
| Chloroform | ND | 0.50 | " | " | " | " | " | " | |
| 2-Chloroethylvinyl ether | ND | 20 | " | " | " | " | " | " | CC01, QL06, PH |
| Chloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.50 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.50 | " | " | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

**W-INF (MPD0296-04) Water Sampled: 04/06/06 16:30 Received: 04/10/06 19:00**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Trichloroethene | ND | 0.50 | ug/l | 1 | 6D19005 | 04/19/06 | 04/19/06 | EPA 624 |
| Trichlorofluoromethane | ND | 0.50 | " | " | " | " | " | " |
| Vinyl chloride | ND | 0.50 | " | " | " | " | " | " |
| *Surrogate: 1,2-Dichloroethane-d4* | | *118 %* | *50-150* | | " | " | " | " |
| *Surrogate: 1,4-Difluorobenzene* | | *101 %* | *70-140* | | " | " | " | " |
| *Surrogate: 4-Bromofluorobenzene* | | *101 %* | *70-120* | | " | " | " | " |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPD0296<br>Reported:<br>06/20/06 19:05 |

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6D18003 - EPA 5030B [P/T]** | | | | | | | | | | |
| **Blank (6D18003-BLK1)** | | | | Prepared & Analyzed: 04/18/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | ND | 25 | ug/l | | | | | | | |
| Benzene | ND | 0.25 | " | | | | | | | |
| Toluene | ND | 0.25 | " | | | | | | | |
| Ethylbenzene | ND | 0.25 | " | | | | | | | |
| Xylenes (total) | ND | 0.25 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 1.25 | " | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *87.0* | | " | *80.0* | | *109* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *74.4* | | " | *80.0* | | *93* | *75-125* | | | |
| **LCS (6D18003-BS1)** | | | | Prepared & Analyzed: 04/18/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 211 | 50 | ug/l | 275 | | 77 | 60-115 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *76.8* | | " | *80.0* | | *96* | *75-125* | | | |
| **LCS (6D18003-BS2)** | | | | Prepared & Analyzed: 04/18/06 | | | | | | |
| Benzene | 10.4 | 0.50 | ug/l | 10.0 | | 104 | 45-150 | | | |
| Toluene | 10.1 | 0.50 | " | 10.0 | | 101 | 70-115 | | | |
| Ethylbenzene | 10.2 | 0.50 | " | 10.0 | | 102 | 65-115 | | | |
| Xylenes (total) | 31.1 | 0.50 | " | 30.0 | | 104 | 70-115 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *84.2* | | " | *80.0* | | *105* | *85-120* | | | |
| **Matrix Spike (6D18003-MS1)** | | Source: MPD0226-01 | | Prepared & Analyzed: 04/18/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 188 | 50 | ug/l | 275 | ND | 68 | 60-115 | | | |
| Benzene | 3.88 | 0.50 | " | 2.65 | ND | 146 | 45-150 | | | |
| Toluene | 19.1 | 0.50 | " | 23.0 | ND | 83 | 70-115 | | | |
| Ethylbenzene | 3.77 | 0.50 | " | 4.60 | ND | 82 | 65-115 | | | |
| Xylenes (total) | 21.8 | 0.50 | " | 26.4 | ND | 83 | 70-115 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *82.0* | | " | *80.0* | | *102* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *75.8* | | " | *80.0* | | *95* | *75-125* | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6D18003 - EPA 5030B [P/T]** | | | | | | | | | | |
| **Matrix Spike Dup (6D18003-MSD1)** | | **Source: MPD0226-01** | | Prepared & Analyzed: 04/18/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 193 | 50 | ug/l | 275 | ND | 70 | 60-115 | 3 | 20 | |
| Benzene | 3.91 | 0.50 | " | 2.65 | ND | 148 | 45-150 | 0.8 | 25 | |
| Toluene | 19.6 | 0.50 | " | 23.0 | ND | 85 | 70-115 | 3 | 20 | |
| Ethylbenzene | 3.85 | 0.50 | " | 4.60 | ND | 84 | 65-115 | 2 | 25 | |
| Xylenes (total) | 22.2 | 0.50 | " | 26.4 | ND | 84 | 70-115 | 2 | 25 | |
| *Surrogate: a,a,a-Trifluorotoluene* | *82.1* | | " | *80.0* | | *103* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *76.2* | | " | *80.0* | | *95* | *75-125* | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6D19005 - EPA 5030B P/T** | | | | | | | | | | |
| **Blank (6D19005-BLK1)** | | | | Prepared & Analyzed: 04/19/06 | | | | | | |
| Benzene | ND | 0.25 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.25 | " | | | | | | | |
| Bromoform | ND | 0.26 | " | | | | | | | |
| Bromomethane | ND | 0.5 | " | | | | | | | |
| Carbon tetrachloride | ND | 0.25 | " | | | | | | | |
| Chlorobenzene | ND | 0.25 | " | | | | | | | |
| Chloroethane | ND | 0.61 | " | | | | | | | |
| Chloroform | ND | 0.25 | " | | | | | | | |
| Chloromethane | ND | 0.28 | " | | | | | | | |
| Dibromochloromethane | ND | 0.25 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.25 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.29 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.25 | " | | | | | | | |
| 1,1-Dichloroethane | ND | 0.25 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.25 | " | | | | | | | |
| 1,1-Dichloroethene | ND | 0.25 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.28 | " | | | | | | | |
| 1,2-Dichloropropane | ND | 0.25 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.25 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.25 | " | | | | | | | |
| Ethylbenzene | ND | 0.25 | " | | | | | | | |
| Methylene chloride | ND | 0.25 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.25 | " | | | | | | | |
| Tetrachloroethene | ND | 0.25 | " | | | | | | | |
| Toluene | ND | 0.25 | " | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.25 | " | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.25 | " | | | | | | | |
| Trichloroethene | ND | 0.25 | " | | | | | | | |
| Trichlorofluoromethane | ND | 0.25 | " | | | | | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPD0296<br>Reported:<br>06/20/06 19:05 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6D19005 - EPA 5030B P/T** | | | | | | | | | | |
| **Blank (6D19005-BLK1)** | | | | Prepared & Analyzed: 04/19/06 | | | | | | |
| Vinyl chloride | ND | 0.25 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 0.25 | " | | | | | | | |
| Xylenes (total) | ND | 0.47 | " | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.55* | | " | *5.00* | | *111* | *50-150* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *4.06* | | " | *4.00* | | *102* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *4.98* | | " | *5.00* | | *100* | *70-120* | | | |
| **LCS (6D19005-BS1)** | | | | Prepared & Analyzed: 04/19/06 | | | | | | |
| Benzene | 21.8 | 0.50 | ug/l | 20.0 | | 109 | 80-140 | | | |
| Bromodichloromethane | 21.9 | 0.50 | " | 20.0 | | 110 | 65-150 | | | |
| Bromoform | 17.7 | 0.50 | " | 20.0 | | 88 | 60-150 | | | |
| Bromomethane | 13.4 | 1.0 | " | 20.0 | | 67 | 15-150 | | | |
| Carbon tetrachloride | 21.6 | 0.50 | " | 20.0 | | 108 | 65-150 | | | |
| Chlorobenzene | 23.1 | 0.50 | " | 20.0 | | 116 | 85-135 | | | |
| Chloroethane | 16.6 | 1.0 | " | 20.0 | | 83 | 45-150 | | | |
| Chloroform | 23.4 | 0.50 | " | 20.0 | | 117 | 75-135 | | | |
| Chloromethane | 17.7 | 0.50 | " | 20.0 | | 88 | 30-150 | | | |
| Dibromochloromethane | 20.8 | 0.50 | " | 20.0 | | 104 | 45-150 | | | |
| 1,2-Dichlorobenzene | 23.1 | 0.50 | " | 20.0 | | 116 | 80-130 | | | |
| 1,3-Dichlorobenzene | 22.8 | 0.50 | " | 20.0 | | 114 | 85-140 | | | |
| 1,4-Dichlorobenzene | 22.6 | 0.50 | " | 20.0 | | 113 | 85-130 | | | |
| 1,1-Dichloroethane | 22.3 | 0.50 | " | 20.0 | | 112 | 35-150 | | | |
| 1,2-Dichloroethane | 21.9 | 0.50 | " | 20.0 | | 110 | 35-150 | | | |
| 1,1-Dichloroethene | 19.3 | 0.50 | " | 20.0 | | 96 | 85-135 | | | |
| trans-1,2-Dichloroethene | 22.2 | 0.50 | " | 20.0 | | 111 | 75-150 | | | |
| 1,2-Dichloropropane | 21.9 | 0.50 | " | 20.0 | | 110 | 55-150 | | | |
| cis-1,3-Dichloropropene | 20.0 | 0.50 | " | 20.0 | | 100 | 50-150 | | | |
| trans-1,3-Dichloropropene | 19.6 | 0.50 | " | 20.0 | | 98 | 45-150 | | | |
| Ethylbenzene | 22.7 | 0.50 | " | 20.0 | | 114 | 80-135 | | | |
| Methylene chloride | 24.9 | 0.50 | " | 20.0 | | 124 | 40-150 | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPD0296<br>Reported:<br>06/20/06 19:05 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6D19005 - EPA 5030B P/T** | | | | | | | | | | |
| **LCS (6D19005-BS1)** | | | | Prepared & Analyzed: 04/19/06 | | | | | | |
| 1,1,2,2-Tetrachloroethane | 22.5 | 0.50 | ug/l | 20.0 | | 112 | 55-150 | | | |
| Tetrachloroethene | 20.5 | 0.50 | " | 20.0 | | 102 | 75-150 | | | |
| Toluene | 19.2 | 0.50 | " | 20.0 | | 96 | 80-140 | | | |
| 1,1,1-Trichloroethane | 21.2 | 0.50 | " | 20.0 | | 106 | 70-150 | | | |
| 1,1,2-Trichloroethane | 21.1 | 0.50 | " | 20.0 | | 106 | 55-150 | | | |
| Trichloroethene | 22.6 | 0.50 | " | 20.0 | | 113 | 30-150 | | | |
| Trichlorofluoromethane | 18.2 | 0.50 | " | 20.0 | | 91 | 15-150 | | | |
| Vinyl chloride | 18.5 | 0.50 | " | 20.0 | | 92 | 50-150 | | | |
| Methyl tert-butyl ether | 20.5 | 0.50 | " | 20.0 | | 102 | 65-125 | | | |
| Xylenes (total) | 70.3 | 0.50 | " | 60.0 | | 117 | 85-125 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.90* | | " | *5.00* | | *118* | *50-150* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *3.78* | | " | *4.00* | | *94* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *5.09* | | " | *5.00* | | *102* | *70-120* | | | |
| **Matrix Spike (6D19005-MS1)** | | | | Source: MPD0271-04RE1Prepared & Analyzed: 04/19/06 | | | | | | |
| Benzene | 873 | 5.0 | ug/l | 200 | 720 | 76 | 80-140 | | | QM04 |
| Bromodichloromethane | 221 | 5.0 | " | 200 | ND | 110 | 65-150 | | | |
| Bromoform | 182 | 5.0 | " | 200 | ND | 91 | 60-150 | | | |
| Bromomethane | 126 | 10 | " | 200 | ND | 63 | 15-150 | | | |
| Carbon tetrachloride | 186 | 5.0 | " | 200 | ND | 93 | 65-150 | | | |
| Chlorobenzene | 223 | 5.0 | " | 200 | ND | 112 | 85-135 | | | |
| Chloroethane | 207 | 10 | " | 200 | ND | 104 | 45-150 | | | |
| Chloroform | 221 | 5.0 | " | 200 | ND | 110 | 75-135 | | | |
| Chloromethane | 190 | 5.0 | " | 200 | ND | 95 | 30-150 | | | |
| Dibromochloromethane | 216 | 5.0 | " | 200 | ND | 108 | 45-150 | | | |
| 1,2-Dichlorobenzene | 227 | 5.0 | " | 200 | ND | 114 | 80-130 | | | |
| 1,3-Dichlorobenzene | 221 | 5.0 | " | 200 | ND | 110 | 85-140 | | | |
| 1,4-Dichlorobenzene | 219 | 5.0 | " | 200 | ND | 110 | 85-130 | | | |
| 1,1-Dichloroethane | 159 | 5.0 | " | 200 | ND | 80 | 35-150 | | | |
| 1,2-Dichloroethane | 226 | 5.0 | " | 200 | 18 | 104 | 35-150 | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPD0296<br>Reported:<br>06/20/06 19:05 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6D19005 - EPA 5030B P/T** | | | | | | | | | | |
| **Matrix Spike (6D19005-MS1)** | Source: MPD0271-04RE1 | | | Prepared & Analyzed: 04/19/06 | | | | | | |
| 1,1-Dichloroethene | 233 | 5.0 | ug/l | 200 | ND | 116 | 85-135 | | | |
| trans-1,2-Dichloroethene | 234 | 5.0 | " | 200 | ND | 117 | 75-150 | | | |
| 1,2-Dichloropropane | 216 | 5.0 | " | 200 | ND | 108 | 55-150 | | | |
| cis-1,3-Dichloropropene | 199 | 5.0 | " | 200 | ND | 100 | 50-150 | | | |
| trans-1,3-Dichloropropene | 188 | 5.0 | " | 200 | ND | 94 | 45-150 | | | |
| Ethylbenzene | 297 | 5.0 | " | 200 | 76 | 110 | 80-145 | | | |
| Methylene chloride | 262 | 5.0 | " | 200 | ND | 131 | 40-150 | | | |
| 1,1,2,2-Tetrachloroethane | 241 | 5.0 | " | 200 | ND | 120 | 55-150 | | | |
| Tetrachloroethene | 218 | 5.0 | " | 200 | 22 | 98 | 75-150 | | | |
| Toluene | 466 | 5.0 | " | 200 | 290 | 88 | 80-140 | | | |
| 1,1,1-Trichloroethane | 205 | 5.0 | " | 200 | ND | 102 | 70-150 | | | |
| 1,1,2-Trichloroethane | 224 | 5.0 | " | 200 | ND | 112 | 55-150 | | | |
| Trichloroethene | 222 | 5.0 | " | 200 | 6.4 | 108 | 30-150 | | | |
| Trichlorofluoromethane | 212 | 5.0 | " | 200 | ND | 106 | 15-150 | | | |
| Vinyl chloride | 233 | 5.0 | " | 200 | 15 | 109 | 50-150 | | | |
| Methyl tert-butyl ether | 179 | 5.0 | " | 200 | 54 | 62 | 65-125 | | | QM02 |
| Xylenes (total) | 1300 | 5.0 | " | 600 | 680 | 103 | 85-125 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.41* | | " | *5.00* | | *108* | *50-150* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *3.96* | | " | *4.00* | | *99* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *5.22* | | " | *5.00* | | *104* | *70-120* | | | |
| **Matrix Spike Dup (6D19005-MSD1)** | Source: MPD0271-04RE1 | | | Prepared & Analyzed: 04/19/06 | | | | | | |
| Benzene | 898 | 5.0 | ug/l | 200 | 720 | 89 | 80-140 | 3 | 10 | QM04 |
| Bromodichloromethane | 223 | 5.0 | " | 200 | ND | 112 | 65-150 | 0.9 | 30 | |
| Bromoform | 188 | 5.0 | " | 200 | ND | 94 | 60-150 | 3 | 25 | |
| Bromomethane | 139 | 10 | " | 200 | ND | 70 | 15-150 | 10 | 35 | |
| Carbon tetrachloride | 198 | 5.0 | " | 200 | ND | 99 | 65-150 | 6 | 20 | |
| Chlorobenzene | 218 | 5.0 | " | 200 | ND | 109 | 85-135 | 2 | 15 | |
| Chloroethane | 207 | 10 | " | 200 | ND | 104 | 45-150 | 0 | 45 | |
| Chloroform | 227 | 5.0 | " | 200 | ND | 114 | 75-135 | 3 | 15 | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6D19005 - EPA 5030B P/T** | | | | | | | | | | |
| **Matrix Spike Dup (6D19005-MSD1)** | Source: MPD0271-04RE1Prepared & Analyzed: 04/19/06 | | | | | | | | | |
| Chloromethane | 193 | 5.0 | ug/l | 200 | ND | 96 | 30-150 | 2 | 35 | |
| Dibromochloromethane | 227 | 5.0 | " | 200 | ND | 114 | 45-150 | 5 | 35 | |
| 1,2-Dichlorobenzene | 226 | 5.0 | " | 200 | ND | 113 | 80-130 | 0.4 | 25 | |
| 1,3-Dichlorobenzene | 221 | 5.0 | " | 200 | ND | 110 | 85-140 | 0 | 25 | |
| 1,4-Dichlorobenzene | 217 | 5.0 | " | 200 | ND | 108 | 85-130 | 0.9 | 25 | |
| 1,1-Dichloroethane | 170 | 5.0 | " | 200 | ND | 85 | 35-150 | 7 | 35 | |
| 1,2-Dichloroethane | 235 | 5.0 | " | 200 | 18 | 108 | 35-150 | 4 | 35 | |
| 1,1-Dichloroethene | 236 | 5.0 | " | 200 | ND | 118 | 85-135 | 1 | 15 | |
| trans-1,2-Dichloroethene | 224 | 5.0 | " | 200 | ND | 112 | 75-150 | 4 | 20 | |
| 1,2-Dichloropropane | 213 | 5.0 | " | 200 | ND | 106 | 55-150 | 1 | 20 | |
| cis-1,3-Dichloropropene | 204 | 5.0 | " | 200 | ND | 102 | 50-150 | 2 | 35 | |
| trans-1,3-Dichloropropene | 190 | 5.0 | " | 200 | ND | 95 | 45-150 | 1 | 35 | |
| Ethylbenzene | 292 | 5.0 | " | 200 | 76 | 108 | 80-145 | 2 | 30 | |
| Methylene chloride | 257 | 5.0 | " | 200 | ND | 128 | 40-150 | 2 | 30 | |
| 1,1,2,2-Tetrachloroethane | 247 | 5.0 | " | 200 | ND | 124 | 55-150 | 2 | 35 | |
| Tetrachloroethene | 227 | 5.0 | " | 200 | 22 | 102 | 75-150 | 4 | 30 | |
| Toluene | 467 | 5.0 | " | 200 | 290 | 88 | 80-140 | 0.2 | 10 | |
| 1,1,1-Trichloroethane | 213 | 5.0 | " | 200 | ND | 106 | 70-150 | 4 | 15 | |
| 1,1,2-Trichloroethane | 230 | 5.0 | " | 200 | ND | 115 | 55-150 | 3 | 30 | |
| Trichloroethene | 211 | 5.0 | " | 200 | 6.4 | 102 | 30-150 | 5 | 10 | |
| Trichlorofluoromethane | 229 | 5.0 | " | 200 | ND | 114 | 15-150 | 8 | 25 | |
| Vinyl chloride | 233 | 5.0 | " | 200 | 15 | 109 | 50-150 | 0 | 35 | |
| Methyl tert-butyl ether | 179 | 5.0 | " | 200 | 54 | 62 | 65-125 | 0 | 20 | QM02 |
| Xylenes (total) | 1290 | 5.0 | " | 600 | 680 | 102 | 85-125 | 0.8 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *5.71* | | " | *5.00* | | *114* | *50-150* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *3.95* | | " | *4.00* | | *99* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *5.25* | | " | *5.00* | | *105* | *70-120* | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPD0296 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:05 |

## Notes and Definitions

| | |
|---|---|
| QM04 | The spike recovery was above control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits. |
| QM02 | The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| QL06 | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted. |
| PH | There was insufficient preservative to reduce the sample pH to less than 2. The sample was analyzed within 14 days of sampling, but beyond the 7 days recommended for Benzene, Toluene, and Ethylbenzene. |
| CC01 | The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

# CHAIN OF CUSTODY RECORD



TestAmerica INCORPORATED
(615) 726-0177
Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager James F. Chappell
Telephone Number: (707) 766-2000
ERI Job Number: 2101 11X (Monthly)
Sampler Name: (Print) J Herman
Sampler Signature: J Herman

ExxonMobil Engineer Jennifer C. Sedlachek
Telephone Number (510) 547-8196
Account #:
PO #:
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions: *Full Run EPA 624 to include BTEX, MTBE and Oxygenates.

MPD0294

| Sample ID / Description | | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: Full Run EPA 624 | TPHg 8015B | BTEX/MTBE 8021B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-EFF | 01 | 7/6/04 | 1500 | | X | HCL | 6VOA | X | | | X | X | |
| W-INT2 | 02 | | 1530 | | X | HCL | 6VOA | X | | | | X | X |
| W-INT1 | 03 | | 1600 | | X | HCL | 6VOA | X | | | | X | X |
| W-INF | 04 | | 1630 | | X | HCL | 6VOA | X | | | X | X | |

Relinquished by: J Herman Date 4/10/04 Time 800 Received by: Alonzo 4-10-06 Time 1020

Relinquished by: Alonzo Date 4-10-06 Time 1210 Received by TestAmerica: Time 143

1900 4.10.06 1900

Laboratory Comments:
Temperature Upon Receipt: 5.8°C
Sample Containers Intact? Y
VOAs Free of Headspace? Y

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Environmental Resolution
REC. BY (PRINT): A.C.
WORKORDER: MP00294

DATE REC'D AT LAB: 4.10.2006
TIME REC'D AT LAB: 1900
DATE LOGGED IN: 4/10/06

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

| CIRCLE THE APPROPRIATE RESPONSE | LAB SAMPLE # | DASH # | CLIENT ID | CONTAINER DESCRIPTION | PRESERVATIVE | pH | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|---|---|---|---|---|---|---|---|---|---|
| 1. Custody Seal(s) Present / Absent Intact / Broken* | | | | | | | | | |
| 2. Chain-of-Custody Present / Absent* | | | | | | | | | |
| 3. Traffic Reports or Packing List: Present / Absent | | | | | | | | | |
| 4. Airbill: Airbill / Sticker Present / Absent | | | | | | | | | |
| 5. Airbill #: | | | | | | | | | |
| 6. Sample Labels: Present / Absent | | | | | | | | | |
| 7. Sample IDs: Listed / Not Listed on Chain-of-Custody | | | | | | | | | |
| 8. Sample Condition: Intact / Broken* / Leaking* | | | | | | | | | |
| 9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No* | | | | | | | | | |
| 10. Sample received within hold time? Yes / No* | | | | | | | | | |
| 11. Adequate sample volume received? Yes / No* | | | | | | | | | |
| 12. Proper preservatives used? Yes / No* | | | | | | | | | |
| 13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No* | | | | | | | | | |
| 14. Read Temp: 5.8°C Corrected Temp: 5.8°C Is corrected temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / DFF ON ICE or Problem COC | | | | | | | | | |

4.10.2006 R.C.

SEE COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 7
Replaces Rev 5 (07/13/04)
Effective 07/19/05

**Sequoia Analytical**

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

20 June, 2006

James Chappell
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Exxon 7-0277
Work Order: MPE0284

Enclosed are the results of analyses for samples received by the laboratory on 05/09/06 17:43. The samples arrived at a temperature of 4° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| W-EFF | MPE0284-01 | Water | 05/04/06 16:00 | 05/09/06 17:43 |
| W-INT2 | MPE0284-02 | Water | 05/04/06 16:30 | 05/09/06 17:43 |
| W-INT1 | MPE0284-03 | Water | 05/04/06 17:00 | 05/09/06 17:43 |
| W-INF | MPE0284-04 | Water | 05/04/06 17:30 | 05/09/06 17:43 |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

**W-EFF (MPE0284-01) Water Sampled: 05/04/06 16:00 Received: 05/09/06 17:43**

## Purgeable Hydrocarbons by EPA 8015B

### Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6E18003 | 05/18/06 | 05/18/06 | EPA 8015B-VOA | |
| *Surrogate: 4-Bromofluorobenzene* | | *97 %* | *75-125* | " | " | " | " | " | |

## Purgeables by EPA Method 624

### Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Methyl tert-butyl ether | ND | 0.50 | ug/l | 1 | 6E17032 | 05/17/06 | 05/18/06 | EPA 624 | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Bromoform | ND | 0.50 | " | " | " | " | " | " | |
| Bromomethane | ND | 1.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.50 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| Chloroethane | ND | 1.0 | " | " | " | " | " | " | |
| Chloroform | ND | 0.50 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.50 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.50 | " | " | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

**W-EFF (MPE0284-01) Water Sampled: 05/04/06 16:00 Received: 05/09/06 17:43**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Trichlorofluoromethane | ND | 0.50 | ug/l | 1 | 6E17032 | 05/17/06 | 05/18/06 | EPA 624 |
| Vinyl chloride | ND | 0.50 | " | " | " | " | " | " |
| *Surrogate: 1,2-Dichloroethane-d4* | | *99 %* | *50-150* | | " | " | " | " |
| *Surrogate: 1,4-Difluorobenzene* | | *92 %* | *70-140* | | " | " | " | " |
| *Surrogate: 4-Bromofluorobenzene* | | *72 %* | *70-120* | | " | " | " | " |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

**W-INT2 (MPE0284-02) Water Sampled: 05/04/06 16:30 Received: 05/09/06 17:43**

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6E18003 | 05/18/06 | 05/18/06 | EPA 8015B/8021B | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | |
| *Surrogate: a,a,a-Trifluorotoluene* | | *105 %* | | *85-120* | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *101 %* | | *75-125* | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

**W-INT1 (MPE0284-03) Water Sampled: 05/04/06 17:00 Received: 05/09/06 17:43**

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

### Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6E18003 | 05/18/06 | 05/18/06 | EPA 8015B/8021B | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | |
| *Surrogate: a,a,a-Trifluorotoluene* | | *104 %* | | *85-120* | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *100 %* | | *75-125* | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

**W-INF (MPE0284-04) Water Sampled: 05/04/06 17:30 Received: 05/09/06 17:43**

## Purgeable Hydrocarbons by EPA 8015B

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (C4-C12)** | 240 | 50 | ug/l | 1 | 6E18003 | 05/18/06 | 05/18/06 | EPA 8015B-VOA | |
| *Surrogate: 4-Bromofluorobenzene* | | *94 %* | *75-125* | | " | " | " | " | |

## Purgeables by EPA Method 624

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Methyl tert-butyl ether** | **5.0** | 0.50 | ug/l | 1 | 6E17032 | 05/17/06 | 05/18/06 | EPA 624 | |
| **Xylenes (total)** | **5.0** | 0.50 | " | " | " | " | " | " | |
| **Benzene** | **6.0** | 0.50 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Bromoform | ND | 0.50 | " | " | " | " | " | " | |
| Bromomethane | ND | 1.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.50 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| Chloroethane | ND | 1.0 | " | " | " | " | " | " | |
| Chloroform | ND | 0.50 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.50 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| **Ethylbenzene** | **1.1** | 0.50 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.50 | " | " | " | " | " | " | |
| **Toluene** | **0.69** | 0.50 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.50 | " | " | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

**W-INF (MPE0284-04) Water Sampled: 05/04/06 17:30 Received: 05/09/06 17:43**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Trichlorofluoromethane | ND | 0.50 | ug/l | 1 | 6E17032 | 05/17/06 | 05/18/06 | EPA 624 |
| Vinyl chloride | ND | 0.50 | " | " | " | " | " | " |
| *Surrogate: 1,2-Dichloroethane-d4* | | *98 %* | | *50-150* | " | " | " | " |
| *Surrogate: 1,4-Difluorobenzene* | | *84 %* | | *70-140* | " | " | " | " |
| *Surrogate: 4-Bromofluorobenzene* | | *84 %* | | *70-120* | " | " | " | " |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPE0284<br>Reported:<br>06/20/06 19:16 |

# Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6E18003 - EPA 5030B [P/T]** | | | | | | | | | | |
| **Blank (6E18003-BLK1)** | | | | Prepared & Analyzed: 05/18/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | ND | 25 | ug/l | | | | | | | |
| Benzene | ND | 0.25 | " | | | | | | | |
| Toluene | ND | 0.25 | " | | | | | | | |
| Ethylbenzene | ND | 0.25 | " | | | | | | | |
| Xylenes (total) | ND | 0.25 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 1.25 | " | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *82.5* | | " | *80.0* | | *103* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *75.4* | | " | *80.0* | | *94* | *75-125* | | | |
| **LCS (6E18003-BS1)** | | | | Prepared & Analyzed: 05/18/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 219 | 50 | ug/l | 275 | | 80 | 60-115 | | | |
| *Surrogate: 4-Bromofluorobenzene* | *76.3* | | " | *80.0* | | *95* | *75-125* | | | |
| **LCS (6E18003-BS2)** | | | | Prepared & Analyzed: 05/18/06 | | | | | | |
| Benzene | 8.60 | 0.50 | ug/l | 10.0 | | 86 | 45-150 | | | |
| Toluene | 9.46 | 0.50 | " | 10.0 | | 95 | 70-115 | | | |
| Ethylbenzene | 10.0 | 0.50 | " | 10.0 | | 100 | 65-115 | | | |
| Xylenes (total) | 30.7 | 0.50 | " | 30.0 | | 102 | 70-115 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *81.8* | | " | *80.0* | | *102* | *85-120* | | | |
| **Matrix Spike (6E18003-MS1)** | | Source: MPE0284-02 | | Prepared & Analyzed: 05/18/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 193 | 50 | ug/l | 275 | ND | 70 | 60-115 | | | |
| Benzene | 3.97 | 0.50 | " | 2.65 | ND | 150 | 45-150 | | | |
| Toluene | 19.3 | 0.50 | " | 23.0 | ND | 84 | 70-115 | | | |
| Ethylbenzene | 3.91 | 0.50 | " | 4.60 | ND | 85 | 65-115 | | | |
| Xylenes (total) | 22.3 | 0.50 | " | 26.4 | ND | 84 | 70-115 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *80.9* | | " | *80.0* | | *101* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *75.7* | | " | *80.0* | | *95* | *75-125* | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6E18003 - EPA 5030B [P/T]** | | | | | | | | | | |
| **Matrix Spike Dup (6E18003-MSD1)** | | **Source: MPE0284-02** | | Prepared & Analyzed: 05/18/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 205 | 50 | ug/l | 275 | ND | 75 | 60-115 | 6 | 20 | |
| Benzene | 4.24 | 0.50 | " | 2.65 | ND | 160 | 45-150 | 7 | 25 | QM01 |
| Toluene | 20.8 | 0.50 | " | 23.0 | ND | 90 | 70-115 | 7 | 20 | |
| Ethylbenzene | 4.05 | 0.50 | " | 4.60 | ND | 88 | 65-115 | 4 | 25 | |
| Xylenes (total) | 23.4 | 0.50 | " | 26.4 | ND | 89 | 70-115 | 5 | 25 | |
| *Surrogate: a,a,a-Trifluorotoluene* | *82.8* | | " | *80.0* | | *104* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *76.0* | | " | *80.0* | | *95* | *75-125* | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6E17032 - EPA 5030B P/T** | | | | | | | | | | |
| **Blank (6E17032-BLK1)** | | | | Prepared: 05/17/06 Analyzed: 05/18/06 | | | | | | |
| Benzene | ND | 0.25 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.25 | " | | | | | | | |
| Bromoform | ND | 0.26 | " | | | | | | | |
| Bromomethane | ND | 0.5 | " | | | | | | | |
| Carbon tetrachloride | ND | 0.25 | " | | | | | | | |
| Chlorobenzene | ND | 0.25 | " | | | | | | | |
| Chloroethane | ND | 0.61 | " | | | | | | | |
| Chloroform | ND | 0.25 | " | | | | | | | |
| Chloromethane | ND | 0.28 | " | | | | | | | |
| Dibromochloromethane | ND | 0.25 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.25 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.29 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.25 | " | | | | | | | |
| 1,1-Dichloroethane | ND | 0.25 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.25 | " | | | | | | | |
| 1,1-Dichloroethene | ND | 0.25 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.28 | " | | | | | | | |
| 1,2-Dichloropropane | ND | 0.25 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.25 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.25 | " | | | | | | | |
| Ethylbenzene | ND | 0.25 | " | | | | | | | |
| Methylene chloride | ND | 0.25 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.25 | " | | | | | | | |
| Tetrachloroethene | ND | 0.25 | " | | | | | | | |
| Toluene | ND | 0.25 | " | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.25 | " | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.25 | " | | | | | | | |
| Trichloroethene | ND | 0.25 | " | | | | | | | |
| Trichlorofluoromethane | ND | 0.25 | " | | | | | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6E17032 - EPA 5030B P/T** | | | | | | | | | | |
| **Blank (6E17032-BLK1)** | | | | Prepared: 05/17/06 Analyzed: 05/18/06 | | | | | | |
| Vinyl chloride | ND | 0.25 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 0.25 | " | | | | | | | |
| Xylenes (total) | ND | 0.47 | " | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *2.41* | | " | *2.50* | | *96* | *50-150* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *1.82* | | " | *2.00* | | *91* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *1.89* | | " | *2.50* | | *76* | *70-120* | | | |
| **LCS (6E17032-BS1)** | | | | Prepared: 05/17/06 Analyzed: 05/18/06 | | | | | | |
| Benzene | 20.8 | 0.50 | ug/l | 20.0 | | 104 | 80-140 | | | |
| Bromodichloromethane | 21.8 | 0.50 | " | 20.0 | | 109 | 65-150 | | | |
| Bromoform | 23.0 | 0.50 | " | 20.0 | | 115 | 60-150 | | | |
| Bromomethane | 15.7 | 1.0 | " | 20.0 | | 78 | 15-150 | | | |
| Carbon tetrachloride | 21.1 | 0.50 | " | 20.0 | | 106 | 65-150 | | | |
| Chlorobenzene | 21.4 | 0.50 | " | 20.0 | | 107 | 85-135 | | | |
| Chloroethane | 21.8 | 1.0 | " | 20.0 | | 109 | 45-150 | | | |
| Chloroform | 21.0 | 0.50 | " | 20.0 | | 105 | 75-135 | | | |
| Chloromethane | 19.8 | 0.50 | " | 20.0 | | 99 | 30-150 | | | |
| Dibromochloromethane | 23.4 | 0.50 | " | 20.0 | | 117 | 45-150 | | | |
| 1,2-Dichlorobenzene | 20.3 | 0.50 | " | 20.0 | | 102 | 80-130 | | | |
| 1,3-Dichlorobenzene | 21.1 | 0.50 | " | 20.0 | | 106 | 85-140 | | | |
| 1,4-Dichlorobenzene | 20.2 | 0.50 | " | 20.0 | | 101 | 85-130 | | | |
| 1,1-Dichloroethane | 21.2 | 0.50 | " | 20.0 | | 106 | 35-150 | | | |
| 1,2-Dichloroethane | 21.3 | 0.50 | " | 20.0 | | 106 | 35-150 | | | |
| 1,1-Dichloroethene | 22.6 | 0.50 | " | 20.0 | | 113 | 85-135 | | | |
| trans-1,2-Dichloroethene | 21.6 | 0.50 | " | 20.0 | | 108 | 75-150 | | | |
| 1,2-Dichloropropane | 21.5 | 0.50 | " | 20.0 | | 108 | 55-150 | | | |
| cis-1,3-Dichloropropene | 21.8 | 0.50 | " | 20.0 | | 109 | 50-150 | | | |
| trans-1,3-Dichloropropene | 22.6 | 0.50 | " | 20.0 | | 113 | 45-150 | | | |
| Ethylbenzene | 23.4 | 0.50 | " | 20.0 | | 117 | 80-135 | | | |
| Methylene chloride | 23.9 | 0.50 | " | 20.0 | | 120 | 40-150 | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6E17032 - EPA 5030B P/T** | | | | | | | | | | |
| **LCS (6E17032-BS1)** | | | | Prepared: 05/17/06 Analyzed: 05/18/06 | | | | | | |
| 1,1,2,2-Tetrachloroethane | 21.5 | 0.50 | ug/l | 20.0 | | 108 | 55-150 | | | |
| Tetrachloroethene | 20.5 | 0.50 | " | 20.0 | | 102 | 75-150 | | | |
| Toluene | 21.2 | 0.50 | " | 20.0 | | 106 | 80-140 | | | |
| 1,1,1-Trichloroethane | 20.7 | 0.50 | " | 20.0 | | 104 | 70-150 | | | |
| 1,1,2-Trichloroethane | 22.5 | 0.50 | " | 20.0 | | 112 | 55-150 | | | |
| Trichloroethene | 21.1 | 0.50 | " | 20.0 | | 106 | 30-150 | | | |
| Trichlorofluoromethane | 20.5 | 0.50 | " | 20.0 | | 102 | 15-150 | | | |
| Vinyl chloride | 21.1 | 0.50 | " | 20.0 | | 106 | 50-150 | | | |
| Methyl tert-butyl ether | 21.4 | 0.50 | " | 20.0 | | 107 | 65-125 | | | |
| Xylenes (total) | 70.8 | 0.50 | " | 60.0 | | 118 | 85-125 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *2.24* | | " | *2.50* | | *90* | *50-150* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *1.77* | | " | *2.00* | | *88* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *2.30* | | " | *2.50* | | *92* | *70-120* | | | |
| **Matrix Spike (6E17032-MS1)** | | Source: MPE0284-01 | | Prepared: 05/17/06 Analyzed: 05/18/06 | | | | | | |
| Benzene | 10.3 | 0.50 | ug/l | 10.0 | ND | 103 | 80-140 | | | |
| Bromodichloromethane | 10.7 | 0.50 | " | 10.0 | ND | 107 | 65-150 | | | |
| Bromoform | 10.5 | 0.50 | " | 10.0 | ND | 105 | 60-150 | | | |
| Bromomethane | 9.42 | 1.0 | " | 10.0 | ND | 94 | 15-150 | | | |
| Carbon tetrachloride | 10.3 | 0.50 | " | 10.0 | ND | 103 | 65-150 | | | |
| Chlorobenzene | 10.8 | 0.50 | " | 10.0 | ND | 108 | 85-135 | | | |
| Chloroethane | 11.4 | 1.0 | " | 10.0 | ND | 114 | 45-150 | | | |
| Chloroform | 10.6 | 0.50 | " | 10.0 | ND | 106 | 75-135 | | | |
| Chloromethane | 9.63 | 0.50 | " | 10.0 | ND | 96 | 30-150 | | | |
| Dibromochloromethane | 11.2 | 0.50 | " | 10.0 | ND | 112 | 45-150 | | | |
| 1,2-Dichlorobenzene | 10.4 | 0.50 | " | 10.0 | ND | 104 | 80-130 | | | |
| 1,3-Dichlorobenzene | 10.7 | 0.50 | " | 10.0 | ND | 107 | 85-140 | | | |
| 1,4-Dichlorobenzene | 10.3 | 0.50 | " | 10.0 | ND | 103 | 85-130 | | | |
| 1,1-Dichloroethane | 10.9 | 0.50 | " | 10.0 | ND | 109 | 35-150 | | | |
| 1,2-Dichloroethane | 10.4 | 0.50 | " | 10.0 | ND | 104 | 35-150 | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPE0284<br>Reported:<br>06/20/06 19:16 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6E17032 - EPA 5030B P/T** | | | | | | | | | | |
| **Matrix Spike (6E17032-MS1)** | | Source: MPE0284-01 | | Prepared: 05/17/06 | Analyzed: 05/18/06 | | | | | |
| 1,1-Dichloroethene | 11.7 | 0.50 | ug/l | 10.0 | ND | 117 | 85-135 | | | |
| trans-1,2-Dichloroethene | 10.9 | 0.50 | " | 10.0 | ND | 109 | 75-150 | | | |
| 1,2-Dichloropropane | 10.7 | 0.50 | " | 10.0 | ND | 107 | 55-150 | | | |
| cis-1,3-Dichloropropene | 10.4 | 0.50 | " | 10.0 | ND | 104 | 50-150 | | | |
| trans-1,3-Dichloropropene | 10.8 | 0.50 | " | 10.0 | ND | 108 | 45-150 | | | |
| Ethylbenzene | 11.6 | 0.50 | " | 10.0 | ND | 116 | 80-145 | | | |
| Methylene chloride | 12.1 | 0.50 | " | 10.0 | ND | 121 | 40-150 | | | |
| 1,1,2,2-Tetrachloroethane | 10.7 | 0.50 | " | 10.0 | ND | 107 | 55-150 | | | |
| Tetrachloroethene | 10.2 | 0.50 | " | 10.0 | ND | 102 | 75-150 | | | |
| Toluene | 10.5 | 0.50 | " | 10.0 | ND | 105 | 80-140 | | | |
| 1,1,1-Trichloroethane | 10.4 | 0.50 | " | 10.0 | ND | 104 | 70-150 | | | |
| 1,1,2-Trichloroethane | 10.9 | 0.50 | " | 10.0 | ND | 109 | 55-150 | | | |
| Trichloroethene | 10.5 | 0.50 | " | 10.0 | ND | 105 | 30-150 | | | |
| Trichlorofluoromethane | 10.2 | 0.50 | " | 10.0 | ND | 102 | 15-150 | | | |
| Vinyl chloride | 11.2 | 0.50 | " | 10.0 | ND | 112 | 50-150 | | | |
| Methyl tert-butyl ether | 10.6 | 0.50 | " | 10.0 | ND | 106 | 65-125 | | | |
| Xylenes (total) | 35.8 | 0.50 | " | 30.0 | ND | 119 | 85-125 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *2.19* | | " | *2.50* | | *88* | *50-150* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *1.77* | | " | *2.00* | | *88* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *2.27* | | " | *2.50* | | *91* | *70-120* | | | |
| **Matrix Spike Dup (6E17032-MSD1)** | | Source: MPE0284-01 | | Prepared: 05/17/06 | Analyzed: 05/18/06 | | | | | |
| Benzene | 10.3 | 0.50 | ug/l | 10.0 | ND | 103 | 80-140 | 0 | 10 | |
| Bromodichloromethane | 10.8 | 0.50 | " | 10.0 | ND | 108 | 65-150 | 0.9 | 30 | |
| Bromoform | 10.6 | 0.50 | " | 10.0 | ND | 106 | 60-150 | 0.9 | 25 | |
| Bromomethane | 8.45 | 1.0 | " | 10.0 | ND | 84 | 15-150 | 11 | 35 | |
| Carbon tetrachloride | 10.1 | 0.50 | " | 10.0 | ND | 101 | 65-150 | 2 | 20 | |
| Chlorobenzene | 10.4 | 0.50 | " | 10.0 | ND | 104 | 85-135 | 4 | 15 | |
| Chloroethane | 10.8 | 1.0 | " | 10.0 | ND | 108 | 45-150 | 5 | 45 | |
| Chloroform | 10.5 | 0.50 | " | 10.0 | ND | 105 | 75-135 | 0.9 | 15 | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6E17032 - EPA 5030B P/T** | | | | | | | | | | |
| **Matrix Spike Dup (6E17032-MSD1)** | | Source: MPE0284-01 | | Prepared: 05/17/06 | Analyzed: 05/18/06 | | | | | |
| Chloromethane | 9.27 | 0.50 | ug/l | 10.0 | ND | 93 | 30-150 | 4 | 35 | |
| Dibromochloromethane | 11.1 | 0.50 | " | 10.0 | ND | 111 | 45-150 | 0.9 | 35 | |
| 1,2-Dichlorobenzene | 10.2 | 0.50 | " | 10.0 | ND | 102 | 80-130 | 2 | 25 | |
| 1,3-Dichlorobenzene | 10.5 | 0.50 | " | 10.0 | ND | 105 | 85-140 | 2 | 25 | |
| 1,4-Dichlorobenzene | 10.0 | 0.50 | " | 10.0 | ND | 100 | 85-130 | 3 | 25 | |
| 1,1-Dichloroethane | 10.7 | 0.50 | " | 10.0 | ND | 107 | 35-150 | 2 | 35 | |
| 1,2-Dichloroethane | 10.4 | 0.50 | " | 10.0 | ND | 104 | 35-150 | 0 | 35 | |
| 1,1-Dichloroethene | 11.2 | 0.50 | " | 10.0 | ND | 112 | 85-135 | 4 | 15 | |
| trans-1,2-Dichloroethene | 10.6 | 0.50 | " | 10.0 | ND | 106 | 75-150 | 3 | 20 | |
| 1,2-Dichloropropane | 10.7 | 0.50 | " | 10.0 | ND | 107 | 55-150 | 0 | 20 | |
| cis-1,3-Dichloropropene | 10.5 | 0.50 | " | 10.0 | ND | 105 | 50-150 | 1 | 35 | |
| trans-1,3-Dichloropropene | 10.9 | 0.50 | " | 10.0 | ND | 109 | 45-150 | 0.9 | 35 | |
| Ethylbenzene | 11.2 | 0.50 | " | 10.0 | ND | 112 | 80-145 | 4 | 30 | |
| Methylene chloride | 12.0 | 0.50 | " | 10.0 | ND | 120 | 40-150 | 0.8 | 30 | |
| 1,1,2,2-Tetrachloroethane | 11.0 | 0.50 | " | 10.0 | ND | 110 | 55-150 | 3 | 35 | |
| Tetrachloroethene | 10.1 | 0.50 | " | 10.0 | ND | 101 | 75-150 | 1 | 30 | |
| Toluene | 10.4 | 0.50 | " | 10.0 | ND | 104 | 80-140 | 1 | 10 | |
| 1,1,1-Trichloroethane | 10.2 | 0.50 | " | 10.0 | ND | 102 | 70-150 | 2 | 15 | |
| 1,1,2-Trichloroethane | 11.0 | 0.50 | " | 10.0 | ND | 110 | 55-150 | 0.9 | 30 | |
| Trichloroethene | 10.3 | 0.50 | " | 10.0 | ND | 103 | 30-150 | 2 | 10 | |
| Trichlorofluoromethane | 9.69 | 0.50 | " | 10.0 | ND | 97 | 15-150 | 5 | 25 | |
| Vinyl chloride | 10.5 | 0.50 | " | 10.0 | ND | 105 | 50-150 | 6 | 35 | |
| Methyl tert-butyl ether | 10.7 | 0.50 | " | 10.0 | ND | 107 | 65-125 | 0.9 | 20 | |
| Xylenes (total) | 33.6 | 0.50 | " | 30.0 | ND | 112 | 85-125 | 6 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *2.24* | | " | *2.50* | | *90* | *50-150* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *1.76* | | " | *2.00* | | *88* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *2.18* | | " | *2.50* | | *87* | *70-120* | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPE0284 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/20/06 19:16 |

## Notes and Definitions

| | |
|---|---|
| QM01 | The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

# CHAIN OF CUSTODY RECORD

Page 1 of 1

**TestAmerica** INCORPORATED
(615) 726-0177
Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

**ExxonMobil**

Consultant Name: Environmental Resolutions, Inc.
Address: 801 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager James F. Chappell
Telephone Number: (707) 766-2000
ERI Job Number: 2101 11X (Monthly)
Sampler Name: (Print) Jon Hermun
Sampler Signature: Jon Hermun

ExxonMobil Engineer Jennifer C. Sedlachek
Telephone Number (510) 547-8196
Account #:
PO #:
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California

TAT
- ☐ 24 hour ☐ 72 hour
- ☐ 48 hour ☐ 96 hour
- ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
*Full Run EPA 624 to include BTEX, MTBE and Oxygenates.
MPE0284

| Sample ID / Description | | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: Full Run EPA 624 | TPHg 8015B | BTEX/MTBE 8021B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-EFF | 01 | 5/4/06 | 1600 | | X | HCL | 6VOA | X | | | X | X | |
| W-INT2 | 02 | | 1630 | | X | HCL | 6VOA | X | | | | X | X |
| W-INT1 | 03 | | 1700 | | X | HCL | 6VOA | X | | | | X | X |
| W-INF | 04 | | 1730 | | X | HCL | 6VOA | X | | | X | X | |

Relinquished by: J Hermun Date 5/8/06 Time 9:00
Received by: Alonzo 5-8-06 Time 1630
5/9/06 1557

Relinquished by: Alonzo Date 5-8-06 Time 1200
Ann Morrissey 5-9-06
5/9/06 3:57 7:43
Received by TestAmerica: 5.9.06 17:43 Time

Laboratory Comments:
Temperature Upon Receipt: 4.0°C
Sample Containers Intact? Y
VOAs Free of Headspace? Y

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT): L.P.
WORKORDER: MPED284

DATE REC'D AT LAB: 5-9-06
TIME REC'D AT LAB: 17:43
DATE LOGGED IN: 5/8/06

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

| CIRCLE THE APPROPRIATE RESPONSE | LAB SAMPLE # | DASH # | CLIENT ID | CONTAINER DESCRIPTION | PRESERVATIVE | pH | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|---|---|---|---|---|---|---|---|---|---|
| 1. Custody Seal(s) Present / Absent; Intact / Broken* | | | | | | | | | |
| 2. Chain-of-Custody Present / Absent* | | | | | | | | | |
| 3. Traffic Reports or Packing List: Present / Absent | | | | | | | | | |
| 4. Airbill: Airbill / Sticker Present / Absent | | | | | | | | | |
| 5. Airbill #: — | | | | | | | | | |
| 6. Sample Labels: Present / Absent | | | | | | | | | |
| 7. Sample IDs: Listed / Not Listed on Chain-of-Custody | | | | | | | | | |
| 8. Sample Condition: Intact / Broken* / Leaking* | | | | | | | | | |
| 9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No* | | | | | | | | | |
| 10. Sample received within hold time? Yes / No* | | | | | | | | | |
| 11. Adequate sample volume received? Yes / No* | | | | | | | | | |
| 12. Proper preservatives used? Yes / No* | | | | | | | | | |
| 13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No* | | | | | | | | | |
| 14. Read Temp: 4.0C; Corrected Temp: 4.0C; Is corrected-temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / DFF ON ICE or Problem COC | | | | | | | | | |

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 7
Replaces Rev 5 (07/13/04)
Effective 07/19/05

**Sequoia Analytical**

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

26 June, 2006

James Chappell
Environmental Resolutions (Exxon)
601 North McDowell Blvd.
Petaluma, CA 94954

RE: Exxon 7-0277
Work Order: MPF0212

Enclosed are the results of analyses for samples received by the laboratory on 06/06/06 16:40. The samples arrived at a temperature of 6° C. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christina Dell
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPF0212 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/26/06 18:06 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| W-EFF | MPF0212-01 | Water | 06/05/06 10:00 | 06/06/06 16:40 |
| W-INT2 | MPF0212-02 | Water | 06/05/06 10:30 | 06/06/06 16:40 |
| W-INT1 | MPF0212-03 | Water | 06/05/06 11:00 | 06/06/06 16:40 |
| W-INF | MPF0212-04 | Water | 06/05/06 11:30 | 06/06/06 16:40 |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPF0212 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/26/06 18:06 |

**W-EFF (MPF0212-01) Water Sampled: 06/05/06 10:00 Received: 06/06/06 16:40**

## Purgeable Hydrocarbons by EPA 8015B
## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6F12014 | 06/12/06 | 06/12/06 | EPA 8015B-VOA | |
| *Surrogate: 4-Bromofluorobenzene* | | *98 %* | *75-125* | | " | " | " | " | |

## Purgeables by EPA Method 624
## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| tert-Amyl methyl ether | ND | 0.50 | ug/l | 1 | 6F14044 | 06/14/06 | 06/15/06 | EPA 624 | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| tert-Butyl alcohol | ND | 20 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| Ethanol | ND | 100 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Bromoform | ND | 0.50 | " | " | " | " | " | " | |
| Bromomethane | ND | 1.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.50 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| Chloroethane | ND | 1.0 | " | " | " | " | " | " | |
| Chloroform | ND | 0.50 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.50 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

**W-EFF (MPF0212-01) Water Sampled: 06/05/06 10:00 Received: 06/06/06 16:40**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Methylene chloride | ND | 0.50 | ug/l | 1 | 6F14044 | 06/14/06 | 06/15/06 | EPA 624 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | " | " | " | " | " | " |
| Tetrachloroethene | ND | 0.50 | " | " | " | " | " | " |
| 1,1,1-Trichloroethane | ND | 0.50 | " | " | " | " | " | " |
| 1,1,2-Trichloroethane | ND | 0.50 | " | " | " | " | " | " |
| Trichloroethene | ND | 0.50 | " | " | " | " | " | " |
| Trichlorofluoromethane | ND | 0.50 | " | " | " | " | " | " |
| Vinyl chloride | ND | 0.50 | " | " | " | " | " | " |
| *Surrogate: 1,2-Dichloroethane-d4* | | *114 %* | | *60-145* | " | " | " | " |
| *Surrogate: 1,4-Difluorobenzene* | | *102 %* | | *70-140* | " | " | " | " |
| *Surrogate: 4-Bromofluorobenzene* | | *82 %* | | *60-115* | " | " | " | " |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPF0212 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/26/06 18:06 |

**W-INT2 (MPF0212-02) Water Sampled: 06/05/06 10:30 Received: 06/06/06 16:40**

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6F12014 | 06/12/06 | 06/12/06 | EPA 8015B/8021B | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | |
| *Surrogate: a,a,a-Trifluorotoluene* | | *106 %* | *85-120* | | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *98 %* | *75-125* | | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPF0212 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/26/06 18:06 |

**W-INT1 (MPF0212-03) Water Sampled: 06/05/06 11:00 Received: 06/06/06 16:40**

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

### Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (C4-C12) | ND | 50 | ug/l | 1 | 6F12014 | 06/12/06 | 06/12/06 | EPA 8015B/8021B | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 2.7 | 2.5 | " | " | " | " | " | " | |
| *Surrogate: a,a,a-Trifluorotoluene* | | *107 %* | | *85-120* | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *99 %* | | *75-125* | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

**W-INF (MPF0212-04) Water Sampled: 06/05/06 11:30 Received: 06/06/06 16:40**

## Purgeable Hydrocarbons by EPA 8015B
## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics (C4-C12)** | **190** | 50 | ug/l | 1 | 6F12014 | 06/12/06 | 06/12/06 | EPA 8015B-VOA | |
| *Surrogate: 4-Bromofluorobenzene* | | *117 %* | *75-125* | " | " | " | " | " | |

## Purgeables by EPA Method 624
## Sequoia Analytical - Morgan Hill

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| tert-Amyl methyl ether | ND | 0.50 | ug/l | 1 | 6F14044 | 06/14/06 | 06/15/06 | EPA 624 | |
| **Benzene** | **2.4** | 0.50 | " | " | " | " | " | " | |
| tert-Butyl alcohol | ND | 20 | " | " | " | " | " | " | |
| Di-isopropyl ether | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| Ethanol | ND | 100 | " | " | " | " | " | " | |
| Ethyl tert-butyl ether | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| **Methyl tert-butyl ether** | **3.9** | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| **Xylenes (total)** | **2.2** | 0.50 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Bromoform | ND | 0.50 | " | " | " | " | " | " | |
| Bromomethane | ND | 1.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 0.50 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| Chloroethane | ND | 1.0 | " | " | " | " | " | " | |
| Chloroform | ND | 0.50 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.50 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.50 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.50 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.50 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.50 | " | " | " | " | " | " | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

**W-INF (MPF0212-04) Water Sampled: 06/05/06 11:30 Received: 06/06/06 16:40**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Methylene chloride | ND | 0.50 | ug/l | 1 | 6F14044 | 06/14/06 | 06/15/06 | EPA 624 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | " | " | " | " | " | " |
| Tetrachloroethene | ND | 0.50 | " | " | " | " | " | " |
| 1,1,1-Trichloroethane | ND | 0.50 | " | " | " | " | " | " |
| 1,1,2-Trichloroethane | ND | 0.50 | " | " | " | " | " | " |
| Trichloroethene | ND | 0.50 | " | " | " | " | " | " |
| Trichlorofluoromethane | ND | 0.50 | " | " | " | " | " | " |
| Vinyl chloride | ND | 0.50 | " | " | " | " | " | " |
| *Surrogate: 1,2-Dichloroethane-d4* | | *109 %* | | *60-145* | " | " | " | " |
| *Surrogate: 1,4-Difluorobenzene* | | *98 %* | | *70-140* | " | " | " | " |
| *Surrogate: 4-Bromofluorobenzene* | | *92 %* | | *60-115* | " | " | " | " |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6F12014 - EPA 5030B [P/T]** | | | | | | | | | | |
| **Blank (6F12014-BLK1)** | | | | Prepared & Analyzed: 06/12/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | ND | 25 | ug/l | | | | | | | |
| Benzene | ND | 0.25 | " | | | | | | | |
| Toluene | ND | 0.25 | " | | | | | | | |
| Ethylbenzene | ND | 0.25 | " | | | | | | | |
| Xylenes (total) | ND | 0.25 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 1.25 | " | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *42.7* | | " | *40.0* | | *107* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *39.7* | | " | *40.0* | | *99* | *75-125* | | | |
| **LCS (6F12014-BS1)** | | | | Prepared & Analyzed: 06/12/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 240 | 50 | ug/l | 275 | | 87 | 60-115 | | | |
| Benzene | 3.59 | 0.50 | " | 4.85 | | 74 | 45-150 | | | |
| Toluene | 21.0 | 0.50 | " | 23.5 | | 89 | 70-115 | | | |
| Ethylbenzene | 4.13 | 0.50 | " | 4.70 | | 88 | 65-115 | | | |
| Xylenes (total) | 23.7 | 0.50 | " | 26.5 | | 89 | 70-115 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *41.5* | | " | *40.0* | | *104* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *41.4* | | " | *40.0* | | *104* | *75-125* | | | |
| **Matrix Spike (6F12014-MS1)** | | Source: MPF0212-01 | | Prepared & Analyzed: 06/12/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 253 | 50 | ug/l | 275 | ND | 92 | 60-115 | | | |
| Benzene | 3.79 | 0.50 | " | 4.85 | ND | 78 | 45-150 | | | |
| Toluene | 22.3 | 0.50 | " | 23.5 | ND | 95 | 70-115 | | | |
| Ethylbenzene | 4.46 | 0.50 | " | 4.70 | ND | 95 | 65-115 | | | |
| Xylenes (total) | 25.1 | 0.50 | " | 26.5 | ND | 95 | 70-115 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *41.3* | | " | *40.0* | | *103* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *42.2* | | " | *40.0* | | *106* | *75-125* | | | |
| **Matrix Spike Dup (6F12014-MSD1)** | | Source: MPF0212-01 | | Prepared & Analyzed: 06/12/06 | | | | | | |
| Gasoline Range Organics (C4-C12) | 246 | 50 | ug/l | 275 | ND | 89 | 60-115 | 3 | 20 | |
| Benzene | 3.64 | 0.50 | " | 4.85 | ND | 75 | 45-150 | 4 | 25 | |
| Toluene | 21.4 | 0.50 | " | 23.5 | ND | 91 | 70-115 | 4 | 20 | |
| Ethylbenzene | 4.25 | 0.50 | " | 4.70 | ND | 90 | 65-115 | 5 | 25 | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPF0212 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/26/06 18:06 |

## Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6F12014 - EPA 5030B [P/T]** | | | | | | | | | | |
| **Matrix Spike Dup (6F12014-MSD1)** | | Source: MPF0212-01 | | Prepared & Analyzed: 06/12/06 | | | | | | |
| Xylenes (total) | 24.0 | 0.50 | ug/l | 26.5 | ND | 91 | 70-115 | 4 | 25 | |
| *Surrogate: a,a,a-Trifluorotoluene* | *40.9* | | " | *40.0* | | *102* | *85-120* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *42.4* | | " | *40.0* | | *106* | *75-125* | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

**TABLE 5A**
**OPERATION AND PERFORMANCE DATA FOR**
**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM**
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 1 of 6)

| Date | Hours | Totalizer Effluent (gal) | Total Volume (gal) | Average Flowrate (gpm) | Sample ID | Laboratory Analytical Results TPHd (µg/L) | TPHg (µg/L) | MTBE (µg/L) | B (µg/L) | T (µg/L) | E (µg/L) | X (µg/L) | TPHg Removal Per Period (lbs) | TPHg Removal Cumulative (lbs) | Benzene Removal Per Period (lbs) | Benzene Removal Cumulative (lbs) | MTBE Removal Per Period (lbs) | MTBE Removal Cumulative (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/20/02 | National Pollutant Discharge Elimination System (NPDES) discharge letter received 12/20/02 authorizing discharge of treated groundwater. Permit valid 12/20/02. | | | | | | | | | | | | | | | | | |
| 12/30/02 | System off on arrival. Processed approximately 3,250 gallons from holding tank through groundwater remediation system (GRS). Down on departure. | | | | | | | | | | | | | | | | | |
| | 0 | 10,130 | | | | | | | | | | | | | | | | |
| 01/13/03 | System off on arrival. Processed water in holding tank. System running on departure. | | | | | | | | | | | | | | | | | |
| 01/13/03 | 28 | 14,130 | | 2.36 | W-INF | <51 | < 50 | 11 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.006 | < 0.006 | < 0.0001 | < 0.0001 | 0.001 | 0.001 |
| | | | | | W-INT 1 | <50 | < 50 | < 0.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 2 | <51 | < 50 | < 0.5 | < 0.50 | <0.50 | <0.50 | 0.77e | | | | | | |
| | | | | | W-EFF | <51 | < 50 | < 0.5 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 01/27/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 01/27/03 | 357 | 94,550 | | 4.07 | | | | | | | | | | | | | | |
| 02/03/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| 02/03/03 | 528 | 123,260 | | 2.80 | W-INF | <51 | 66 | 38 | 2.1 | <0.50 | <0.50 | 1.1 | < 0.053 | < 0.059 | < 0.001 | < 0.001 | 0.022 | 0.024 |
| | | | | | W-INT 1 | <48 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 2 | <48 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | <48 | < 50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| 02/04/03 | System running on arrival and departure. Troubleshoot influent totalizer. | | | | | | | | | | | | | | | | | |
| 02/04/03 | 552 | 126,550 | | 2.28 | | | | | | | | | | | | | | |
| 02/10/03 | System running on arrival and departure. **Replaced influent totalizer ending old reading 190,140. Now totalizer begins at 10 gallons. | | | | | | | | | | | | | | | | | |
| 02/10/03 | 690 | 142,010 | | 1.87 | | | | | | | | | | | | | | |
| 02/18/03 | System off on arrival (station owner shut down due to noise). Reset and restarted system. | | | | | | | | | | | | | | | | | |
| | 858 | 154,830 | | 1.27 | | | | | | | | | | | | | | |
| 02/19/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| | 885 | 156,410 | | 0.98 | | | | | | | | | | | | | | |
| 02/26/03 | System running on arrival and departure. | | | | | | | | | | | | | | | | | |
| | 1,049 | 161,800 | | 0.55 | | | | | | | | | | | | | | |
| 03/03/03 | System running on arrival. Shut down system and took confirmation ethanol samples. | | | | | | | | | | | | | | | | | |
| | — | 166,017 | | — | | | | | | | | | | | | | | |
| 03/06/03 | System off on arrival and departure. Drained LPC's for carbon changeout 3@500lbs. Stored three drums of water on site. | | | | | | | | | | | | | | | | | |
| | — | 166,810 | | — | | | | | | | | | | | | | | |
| 03/17/03 | System off on arrival and departure. | | | | | | | | | | | | | | | | | |
| | 1,175 | 166,810 | | 0.0 | | | | | | | | | | | | | | |
| 03/24/03 | System off. | | | | | | | | | | | | | | | | | |
| 10/27/03 | Installed bio-reactor, system discharging to onsite Baker Tank. | | | | | | | | | | | | | | | | | |
| 10/28/03 | Bio-reactor running, discharging to Baker Tank. | | | | | | | | | | | | | | | | | |
| | 1,191 | 166,010 | | 0.0 | | | | | | | | | | | | | | |
| 10/31/03 | GRS in recirculation mode not discharging. | | | | | | | | | | | | | | | | | |
| | 1,264 | 166,000 | | 0.0 | | | | | | | | | | | | | | |
| 11/07/03 | GRS in recirculation mode not discharging. | | | | | | | | | | | | | | | | | |
| | 1,268 | 166,000 | | 0.0 | | | | | | | | | | | | | | |
| 11/03/03 | Started system to discharge to Baker Tank. Collected samples. b | | | | | | | | | | | | | | | | | |
| | — | 166,059 | | 0.0 | W-INF | 63c | < 50 | 1.6 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.021 | < 0.079 | < 0.000 | < 0.002 | 0.007 | 0.031 |
| | | | | | W-BIO-INF | — | — | — | — | — | — | — | | | | | | |
| | | | | | W-BIO-EFF | 57c | 13,000 | 35000 | < 250 | <250 | <250 | <250 | | | | | | |
| | | | | | W-INT 1 | < 51 | < 50 | 0.15 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-INT 2 | < 48 | < 50 | 0.21 | < 0.50 | <0.50 | <0.50 | <0.50 | | | | | | |
| | | | | | W-EFF | < 51 | < 50 | 0.17 | < 0.5 | <0.50 | <0.50 | <0.50 | | | | | | |
| 11/10/03 | Started system to discharge to Spring Creek. Collected samples. | | | | | | | | | | | | | | | | | |
| | — | 166,059 | | 0.0 | | | | | | | | | | | | | | |

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6F14044 - EPA 5030B P/T** | | | | | | | | | | |
| **Blank (6F14044-BLK1)** | | | | Prepared: 06/14/06 Analyzed: 06/15/06 | | | | | | |
| Bromodichloromethane | ND | 0.25 | ug/l | | | | | | | |
| Bromoform | ND | 0.26 | " | | | | | | | |
| Bromomethane | ND | 0.5 | " | | | | | | | |
| Carbon tetrachloride | ND | 0.25 | " | | | | | | | |
| Chlorobenzene | ND | 0.25 | " | | | | | | | |
| Chloroethane | ND | 0.61 | " | | | | | | | |
| tert-Amyl methyl ether | ND | 0.25 | " | | | | | | | |
| Benzene | ND | 0.25 | " | | | | | | | |
| Chloroform | ND | 0.25 | " | | | | | | | |
| Chloromethane | ND | 0.28 | " | | | | | | | |
| Dibromochloromethane | ND | 0.25 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.25 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.29 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.25 | " | | | | | | | |
| 1,1-Dichloroethane | ND | 0.25 | " | | | | | | | |
| tert-Butyl alcohol | ND | 10 | " | | | | | | | |
| 1,1-Dichloroethene | ND | 0.25 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.28 | " | | | | | | | |
| 1,2-Dichloropropane | ND | 0.25 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.25 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.25 | " | | | | | | | |
| Methylene chloride | ND | 0.25 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.25 | " | | | | | | | |
| Tetrachloroethene | ND | 0.25 | " | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.25 | " | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.25 | " | | | | | | | |
| Trichloroethene | ND | 0.25 | " | | | | | | | |
| Trichlorofluoromethane | ND | 0.25 | " | | | | | | | |
| Di-isopropyl ether | ND | 0.25 | " | | | | | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon) | Project: Exxon 7-0277 | MPF0212 |
| 601 North McDowell Blvd. | Project Number: 7-0277 | Reported: |
| Petaluma CA, 94954 | Project Manager: James Chappell | 06/26/06 18:06 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6F14044 - EPA 5030B P/T** | | | | | | | | | | |
| **Blank (6F14044-BLK1)** | | | | Prepared: 06/14/06 Analyzed: 06/15/06 | | | | | | |
| Vinyl chloride | ND | 0.25 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.25 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 0.25 | " | | | | | | | |
| Ethanol | ND | 50 | " | | | | | | | |
| Ethyl tert-butyl ether | ND | 0.25 | " | | | | | | | |
| Ethylbenzene | ND | 0.25 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 0.25 | " | | | | | | | |
| Toluene | ND | 0.25 | " | | | | | | | |
| Xylenes (total) | ND | 0.47 | " | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *2.79* | | " | *2.50* | | *112* | *60-145* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *2.06* | | " | *2.00* | | *103* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *2.10* | | " | *2.50* | | *84* | *60-115* | | | |
| **LCS (6F14044-BS1)** | | | | Prepared & Analyzed: 06/14/06 | | | | | | |
| Bromodichloromethane | 11.4 | 0.50 | ug/l | 10.0 | | 114 | 65-150 | | | |
| Bromoform | 11.0 | 0.50 | " | 10.0 | | 110 | 60-150 | | | |
| Bromomethane | 8.99 | 1.0 | " | 10.0 | | 90 | 15-150 | | | |
| Carbon tetrachloride | 10.5 | 0.50 | " | 10.0 | | 105 | 65-150 | | | |
| Chlorobenzene | 11.1 | 0.50 | " | 10.0 | | 111 | 85-135 | | | |
| tert-Amyl methyl ether | 10.2 | 0.50 | " | 10.0 | | 102 | 80-115 | | | |
| Chloroethane | 12.4 | 1.0 | " | 10.0 | | 124 | 45-150 | | | |
| Benzene | 11.5 | 0.50 | " | 10.0 | | 115 | 80-140 | | | |
| Chloroform | 10.8 | 0.50 | " | 10.0 | | 108 | 75-135 | | | |
| Chloromethane | 9.74 | 0.50 | " | 10.0 | | 97 | 30-150 | | | |
| Dibromochloromethane | 11.5 | 0.50 | " | 10.0 | | 115 | 45-150 | | | |
| 1,2-Dichlorobenzene | 10.5 | 0.50 | " | 10.0 | | 105 | 80-130 | | | |
| 1,3-Dichlorobenzene | 10.9 | 0.50 | " | 10.0 | | 109 | 85-140 | | | |
| 1,4-Dichlorobenzene | 10.4 | 0.50 | " | 10.0 | | 104 | 85-130 | | | |
| tert-Butyl alcohol | 214 | 20 | " | 200 | | 107 | 75-150 | | | |
| 1,1-Dichloroethane | 11.3 | 0.50 | " | 10.0 | | 113 | 35-150 | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6F14044 - EPA 5030B P/T** | | | | | | | | | | |
| **LCS (6F14044-BS1)** | | | | Prepared & Analyzed: 06/14/06 | | | | | | |
| 1,1-Dichloroethene | 10.5 | 0.50 | ug/l | 10.0 | | 105 | 85-135 | | | |
| trans-1,2-Dichloroethene | 10.6 | 0.50 | " | 10.0 | | 106 | 75-150 | | | |
| 1,2-Dichloropropane | 11.4 | 0.50 | " | 10.0 | | 114 | 55-150 | | | |
| cis-1,3-Dichloropropene | 11.0 | 0.50 | " | 10.0 | | 110 | 50-150 | | | |
| trans-1,3-Dichloropropene | 10.9 | 0.50 | " | 10.0 | | 109 | 45-150 | | | |
| Methylene chloride | 12.8 | 0.50 | " | 10.0 | | 128 | 40-150 | | | |
| 1,1,2,2-Tetrachloroethane | 10.1 | 0.50 | " | 10.0 | | 101 | 55-150 | | | |
| Tetrachloroethene | 10.5 | 0.50 | " | 10.0 | | 105 | 75-150 | | | |
| 1,1,1-Trichloroethane | 10.0 | 0.50 | " | 10.0 | | 100 | 70-150 | | | |
| 1,1,2-Trichloroethane | 10.9 | 0.50 | " | 10.0 | | 109 | 55-150 | | | |
| Trichloroethene | 11.2 | 0.50 | " | 10.0 | | 112 | 30-150 | | | |
| Trichlorofluoromethane | 11.0 | 0.50 | " | 10.0 | | 110 | 15-150 | | | |
| Di-isopropyl ether | 11.3 | 0.50 | " | 10.0 | | 113 | 75-125 | | | |
| Vinyl chloride | 10.9 | 0.50 | " | 10.0 | | 109 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 11.1 | 0.50 | " | 10.0 | | 111 | 85-120 | | | |
| 1,2-Dichloroethane | 11.0 | 0.50 | " | 10.0 | | 110 | 35-150 | | | |
| Ethanol | 188 | 100 | " | 200 | | 94 | 70-135 | | | |
| Ethyl tert-butyl ether | 10.9 | 0.50 | " | 10.0 | | 109 | 75-130 | | | |
| Ethylbenzene | 11.4 | 0.50 | " | 10.0 | | 114 | 80-135 | | | |
| Methyl tert-butyl ether | 10.2 | 0.50 | " | 10.0 | | 102 | 65-125 | | | |
| Toluene | 11.0 | 0.50 | " | 10.0 | | 110 | 80-140 | | | |
| Xylenes (total) | 35.2 | 0.50 | " | 30.0 | | 117 | 85-125 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *2.63* | | " | *2.50* | | *105* | *60-145* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *2.03* | | " | *2.00* | | *102* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *2.45* | | " | *2.50* | | *98* | *60-115* | | | |
| **Matrix Spike (6F14044-MS1)** | | Source: MPF0117-07RE1 | | Prepared: 06/14/06 | | Analyzed: 06/15/06 | | | | |
| Bromodichloromethane | 108 | 5.0 | ug/l | 100 | ND | 108 | 65-150 | | | |
| Bromoform | 104 | 5.0 | " | 100 | ND | 104 | 60-150 | | | |
| Bromomethane | 56.9 | 10 | " | 100 | ND | 57 | 15-150 | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6F14044 - EPA 5030B P/T** | | | | | | | | | | |
| **Matrix Spike (6F14044-MS1)** | Source: MPF0117-07RE1 | | Prepared: 06/14/06 | | Analyzed: 06/15/06 | | | | | |
| Carbon tetrachloride | 99.4 | 5.0 | ug/l | 100 | ND | 99 | 65-150 | | | |
| Chlorobenzene | 107 | 5.0 | " | 100 | ND | 107 | 85-135 | | | |
| tert-Amyl methyl ether | 99.2 | 5.0 | " | 100 | ND | 99 | 80-115 | | | |
| Chloroethane | 114 | 10 | " | 100 | ND | 114 | 45-150 | | | |
| Benzene | 867 | 5.0 | " | 100 | 830 | 37 | 80-140 | | | QM02 |
| Chloroform | 101 | 5.0 | " | 100 | ND | 101 | 75-135 | | | |
| Chloromethane | 69.9 | 5.0 | " | 100 | ND | 70 | 30-150 | | | |
| Dibromochloromethane | 109 | 5.0 | " | 100 | ND | 109 | 45-150 | | | |
| 1,2-Dichlorobenzene | 102 | 5.0 | " | 100 | ND | 102 | 80-130 | | | |
| 1,3-Dichlorobenzene | 105 | 5.0 | " | 100 | ND | 105 | 85-140 | | | |
| 1,4-Dichlorobenzene | 99.8 | 5.0 | " | 100 | ND | 100 | 85-130 | | | |
| 1,1-Dichloroethane | 105 | 5.0 | " | 100 | ND | 105 | 35-150 | | | |
| tert-Butyl alcohol | 1520 | 200 | " | 2000 | ND | 76 | 75-120 | | | |
| 1,1-Dichloroethene | 98.2 | 5.0 | " | 100 | ND | 98 | 85-135 | | | |
| trans-1,2-Dichloroethene | 99.2 | 5.0 | " | 100 | ND | 99 | 75-150 | | | |
| 1,2-Dichloropropane | 113 | 5.0 | " | 100 | ND | 113 | 55-150 | | | |
| cis-1,3-Dichloropropene | 99.5 | 5.0 | " | 100 | ND | 100 | 50-150 | | | |
| trans-1,3-Dichloropropene | 97.6 | 5.0 | " | 100 | ND | 98 | 45-150 | | | |
| Methylene chloride | 114 | 5.0 | " | 100 | ND | 114 | 40-150 | | | |
| 1,1,2,2-Tetrachloroethane | 116 | 5.0 | " | 100 | ND | 116 | 55-150 | | | |
| Tetrachloroethene | 97.5 | 5.0 | " | 100 | ND | 98 | 75-150 | | | |
| 1,1,1-Trichloroethane | 94.3 | 5.0 | " | 100 | ND | 94 | 70-150 | | | |
| 1,1,2-Trichloroethane | 106 | 5.0 | " | 100 | ND | 106 | 55-150 | | | |
| Trichloroethene | 97.1 | 5.0 | " | 100 | ND | 97 | 30-150 | | | |
| Trichlorofluoromethane | 102 | 5.0 | " | 100 | ND | 102 | 15-150 | | | |
| Vinyl chloride | 95.5 | 5.0 | " | 100 | ND | 96 | 50-150 | | | |
| Di-isopropyl ether | 119 | 5.0 | " | 100 | 12 | 107 | 75-125 | | | |
| 1,2-Dibromoethane (EDB) | 109 | 5.0 | " | 100 | ND | 109 | 85-120 | | | |
| 1,2-Dichloroethane | 123 | 5.0 | " | 100 | ND | 123 | 35-150 | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6F14044 - EPA 5030B P/T** | | | | | | | | | | |
| **Matrix Spike (6F14044-MS1)** | Source: MPF0117-07RE1 | | Prepared: 06/14/06 | | Analyzed: 06/15/06 | | | | | |
| Ethanol | 1240 | 1000 | " | 2000 | ND | 62 | 70-135 | | | QM02 |
| Ethyl tert-butyl ether | 101 | 5.0 | " | 100 | ND | 101 | 75-130 | | | |
| Ethylbenzene | 201 | 5.0 | " | 100 | 89 | 112 | 80-145 | | | |
| Methyl tert-butyl ether | 95.9 | 5.0 | " | 100 | ND | 96 | 65-125 | | | |
| Toluene | 170 | 5.0 | " | 100 | 61 | 109 | 80-140 | | | |
| Xylenes (total) | 394 | 5.0 | " | 300 | 44 | 117 | 85-125 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *2.63* | | " | *2.50* | | *105* | *60-145* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *1.98* | | " | *2.00* | | *99* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *2.56* | | " | *2.50* | | *102* | *60-115* | | | |
| **Matrix Spike Dup (6F14044-MSD1)** | Source: MPF0117-07RE1 | | Prepared: 06/14/06 | | Analyzed: 06/15/06 | | | | | |
| Bromodichloromethane | 108 | 5.0 | ug/l | 100 | ND | 108 | 65-150 | 0 | 30 | |
| Bromoform | 102 | 5.0 | " | 100 | ND | 102 | 60-150 | 2 | 25 | |
| Bromomethane | 68.4 | 10 | " | 100 | ND | 68 | 15-150 | 18 | 35 | |
| Carbon tetrachloride | 99.4 | 5.0 | " | 100 | ND | 99 | 65-150 | 0 | 20 | |
| Chlorobenzene | 107 | 5.0 | " | 100 | ND | 107 | 85-135 | 0 | 15 | |
| tert-Amyl methyl ether | 99.1 | 5.0 | " | 100 | ND | 99 | 80-115 | 0.1 | 15 | |
| Chloroethane | 111 | 10 | " | 100 | ND | 111 | 45-150 | 3 | 45 | |
| Benzene | 849 | 5.0 | " | 100 | 830 | 19 | 80-140 | 2 | 10 | QM02 |
| Chloroform | 101 | 5.0 | " | 100 | ND | 101 | 75-135 | 0 | 15 | |
| Chloromethane | 74.2 | 5.0 | " | 100 | ND | 74 | 30-150 | 6 | 35 | |
| Dibromochloromethane | 107 | 5.0 | " | 100 | ND | 107 | 45-150 | 2 | 35 | |
| 1,2-Dichlorobenzene | 102 | 5.0 | " | 100 | ND | 102 | 80-130 | 0 | 25 | |
| 1,3-Dichlorobenzene | 106 | 5.0 | " | 100 | ND | 106 | 85-140 | 0.9 | 25 | |
| 1,4-Dichlorobenzene | 101 | 5.0 | " | 100 | ND | 101 | 85-130 | 1 | 25 | |
| tert-Butyl alcohol | 1550 | 200 | " | 2000 | ND | 78 | 75-120 | 2 | 25 | |
| 1,1-Dichloroethane | 106 | 5.0 | " | 100 | ND | 106 | 35-150 | 0.9 | 35 | |
| 1,1-Dichloroethene | 100 | 5.0 | " | 100 | ND | 100 | 85-135 | 2 | 15 | |
| trans-1,2-Dichloroethene | 101 | 5.0 | " | 100 | ND | 101 | 75-150 | 2 | 20 | |
| 1,2-Dichloropropane | 111 | 5.0 | " | 100 | ND | 111 | 55-150 | 2 | 20 | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

# Purgeables by EPA Method 624 - Quality Control

## Sequoia Analytical - Morgan Hill

| Analyte | Result | Evaluation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 6F14044 - EPA 5030B P/T** | | | | | | | | | | |
| **Matrix Spike Dup (6F14044-MSD1)** | Source: MPF0117-07RE1 | | Prepared: 06/14/06 | | Analyzed: 06/15/06 | | | | | |
| cis-1,3-Dichloropropene | 99.7 | 5.0 | ug/l | 100 | ND | 100 | 50-150 | 0.2 | 35 | |
| trans-1,3-Dichloropropene | 96.1 | 5.0 | " | 100 | ND | 96 | 45-150 | 2 | 35 | |
| Methylene chloride | 116 | 5.0 | " | 100 | ND | 116 | 40-150 | 2 | 30 | |
| 1,1,2,2-Tetrachloroethane | 114 | 5.0 | " | 100 | ND | 114 | 55-150 | 2 | 35 | |
| Tetrachloroethene | 97.1 | 5.0 | " | 100 | ND | 97 | 75-150 | 0.4 | 30 | |
| 1,1,1-Trichloroethane | 94.4 | 5.0 | " | 100 | ND | 94 | 70-150 | 0.1 | 15 | |
| 1,1,2-Trichloroethane | 105 | 5.0 | " | 100 | ND | 105 | 55-150 | 0.9 | 30 | |
| Trichloroethene | 97.3 | 5.0 | " | 100 | ND | 97 | 30-150 | 0.2 | 10 | |
| Trichlorofluoromethane | 99.3 | 5.0 | " | 100 | ND | 99 | 15-150 | 3 | 25 | |
| Di-isopropyl ether | 118 | 5.0 | " | 100 | 12 | 106 | 75-125 | 0.8 | 15 | |
| Vinyl chloride | 95.4 | 5.0 | " | 100 | ND | 95 | 50-150 | 0.1 | 35 | |
| 1,2-Dibromoethane (EDB) | 108 | 5.0 | " | 100 | ND | 108 | 85-120 | 0.9 | 15 | |
| 1,2-Dichloroethane | 120 | 5.0 | " | 100 | ND | 120 | 35-150 | 2 | 35 | |
| Ethanol | 1250 | 1000 | " | 2000 | ND | 62 | 70-135 | 0.8 | 35 | QM02 |
| Ethyl tert-butyl ether | 103 | 5.0 | " | 100 | ND | 103 | 75-130 | 2 | 25 | |
| Ethylbenzene | 202 | 5.0 | " | 100 | 89 | 113 | 80-145 | 0.5 | 30 | |
| Methyl tert-butyl ether | 98.8 | 5.0 | " | 100 | ND | 99 | 65-125 | 3 | 20 | |
| Toluene | 169 | 5.0 | " | 100 | 61 | 108 | 80-140 | 0.6 | 10 | |
| Xylenes (total) | 389 | 5.0 | " | 300 | 44 | 115 | 85-125 | 1 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *2.55* | | " | *2.50* | | *102* | *60-145* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *2.02* | | " | *2.00* | | *101* | *70-140* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *2.55* | | " | *2.50* | | *102* | *60-115* | | | |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | |
|---|---|---|
| Environmental Resolutions (Exxon)<br>601 North McDowell Blvd.<br>Petaluma CA, 94954 | Project: Exxon 7-0277<br>Project Number: 7-0277<br>Project Manager: James Chappell | MPF0212<br>Reported:<br>06/26/06 18:06 |

## Notes and Definitions

| | |
|---|---|
| QM02 | The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

# CHAIN OF CUSTODY RECORD



TestAmerica INCORPORATED
(615) 726-0177
Morgan Hill Division
885 Jarvis Drive
Morgan Hill, CA 95037

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Blvd.
City/State/Zip: Petaluma, California 94954
Project Manager James F. Chappell
Telephone Number: (707) 766-2000
ERI Job Number: 2101 11X (Monthly)
Sampler Name: (Print) Jon Herman
Sampler Signature: Jon Herman

ExxonMobil Engineer Jennifer C. Sedlachek
Telephone Number (510) 547-8196
Account #:
PO #:
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California

TAT
- ☐ 24 hour ☐ 72 hour
- ☐ 48 hour ☐ 96 hour
- ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
*Full Run EPA 624 to include BTEX, MTBE and Oxygenates.
BPE MPF0212

| Sample ID / Description | DATE | TIME | COMP | GRAB | PRESERV | NUMBER | Matrix: Water | Soil | Vapor | Analyze For: Full Run EPA 624 | TPHg 8015B | BTEX/MTBE 8021B | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-EFF -01 | 6/5/06 | 10 00 | | X | HCL | 6VOA | X | | | X | X | | | | | | | | |
| W-INT2 -02 | " | 10 30 | | X | HCL | 6VOA | X | | | | X | X | | | | | | | |
| W-INT1 -03 | " | 11 00 | | X | HCL | 6VOA | X | | | | X | X | | | | | | | |
| W-INF -04 | " | 11 30 | | X | HCL | 6VOA | X | | | X | X | | | | | | | | |

Relinquished by: Jon Herman Date 6/6/06 Time 1329 Received by: Gail Hermann Time 1329

Relinquished by: Date Time Received by TestAmerica: [illegible] Time 1640

Laboratory Comments:
Temperature Upon Receipt: 5-8
Sample Containers Intact? yes
VOAs Free of Headspace? yes

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ERI
REC. BY (PRINT) [illegible]
WORKORDER: MPF0212

DATE REC'D AT LAB: 6/6/06
TIME REC'D AT LAB: 1329
DATE LOGGED IN: 6/6/06

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

| CIRCLE THE APPROPRIATE RESPONSE | LAB SAMPLE # | DASH # | CLIENT ID | CONTAINER DESCRIPTION | PRESERVATIVE | pH | SAMPLE MATRIX | DATE SAMPLED | REMARKS: CONDITION (ETC.) |
|---|---|---|---|---|---|---|---|---|---|
| 1. Custody Seal(s) Present / Absent | | | W-EFF | 6 PV | HCL | | W | 6/5/06 | |
| Intact / Broken* | | | INT2 | | | | | | |
| 2. Chain-of-Custody Present / Absent* | | | INT1 | | | | | | |
| 3. Traffic Reports or Packing List: Present / Absent | | | INF | | | | | | |
| 4. Airbill: Airbill / Sticker Present / Absent | | | | | | | | | |
| 5. Airbill #: | | | | | | | | | |
| 6. Sample Labels: Present / Absent | | | | | | | | | |
| 7. Sample IDs: Listed / Not Listed on Chain-of-Custody | | | | | | | | | |
| 8. Sample Condition: Intact / Broken* / Leaking* | | | | | | | | | |
| 9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No* | | | | | | | | | |
| 10. Sample received within hold time? Yes / No* | | | | | | | | | |
| 11. Adequate sample volume received? Yes / No* | | | | | | | | | |
| 12. Proper preservatives used? Yes / No* | | | | | | | | | |
| 13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No* | | | | | | | | | |
| 14. Read Temp: 5.8 | | | | | | | | | |
| Corrected Temp: 5.8 | | | | | | | | | |
| Is corrected temp 4 +/-2°C? Yes / No** | | | | | | | | | |
| (Acceptance range for samples requiring thermal pres.) | | | | | | | | | |
| **Exception (if any): METALS / DFF ON ICE or Problem COC | | | | | | | | | |

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.