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97

REPORTS

DATE:

FEB. 2003



RECEIVED

February 18, 2003

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ConocoPhillips
Attn: Mr. Neal Goates, RM&R Site Manager
Threadneedle Office
PO Box 2197
Houston, TX 77252-2197

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

RE: 2002 Annual Ground Water Report
ConocoPhillips Location: Shephard & Kelsey #1
Unit L, Sec. 29, T29N, R11W, NMPM, San Juan Co., NM

Project: 2-1362

Dear Mr. Goates,

The following report summarizes the ground water remediation and monitoring activities conducted by Souder Miller and Associates (SMA) and/or others on behalf of ConocoPhillips at the referenced oil and gas location. This report covers calendar year of 2002, and follows the format outlined in the *Comprehensive Ground Water Remediation and Long-Term Monitoring Plan for Conoco Locations in the San Juan Basin, New Mexico* (here after known as the monitoring plan), submitted to the New Mexico Oil Conservation Division on October 15, 1998.

Summary Of 2002 Activities:

Per NMOCD direction ground water monitoring was resumed during 2001. Ground water monitoring was conducted during the months of March, June, September of 2002. The scheduled December 2002, sampling event was delayed until January 2003, due to inclement weather and scheduling conflicts.

Based on the June 2001 sampling event findings, the subsequent events were limited to the sampling of SB 12, MW-NE, and DG 1. There was no measurable water in the sampling points during the January 2003 sampling event.

SB 12 and MW-NE continue to have BTEX contamination above New Mexico Water Quality Control Commission (NMWQCC) standards.

SAMPLING:

In accordance with the monitoring plan, water levels were measured in the monitoring wells prior to purging and sampling. Samples were collected preserved and transported in accordance with Environmental Protection Agency (EPA), prescribed procedures, and proper chain-of-custody protocol was followed. The laboratory analyses ordered, followed the approved Conoco Ground Water Plan.

Table 1, summarizes the monitoring well data and water levels measured during previous and current sampling events. Table 2, summarizes the laboratory results for BTEX compounds from all water sampling completed at the referenced site.

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TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

Copies of all laboratory reports for the calendar year 2002 along with all laboratory QA/QC documentation and chains-of-custody, are attached with this report.

SUMMARY AND CONCLUSIONS:

The following conclusions are based on the 2002 ground water monitoring results and trends, associated with a former production pit at the Shephard & Kelsey #1 well location:

1. SB 12 and MW-NE continue to show BTEX contamination above the New Mexico Water Quality Control Commission (NMWQCC) standards.
2. Ground water monitoring should continue until NMOCD's requirement to have four consecutive quarters with BTEX contamination levels below NMWQCC standards have been met.
3. When sampling requirements have been completed, prepare a Final Pit Closure Form to be submitted to NMOCD for approval.
4. Following NMOCD's approval for closure, plug and abandon all monitoring wells in accordance with NMOCD regulations.

Limitations and Closure:

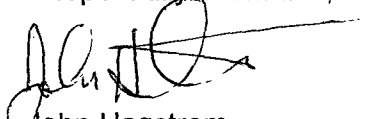
This annual groundwater report documents the results of ground water monitoring for the referenced ConocoPhillips well location during the calendar year 2002. This report follows the Comprehensive Ground Water Remediation and Long-Term Monitoring Plan for Conoco Locations in the San Juan Basin, New Mexico, dated October 15, 1997.

The scope SMA's services consisted of project management, periodic water sampling and measurement of water levels, laboratory testing for ground water quality, and preparation of the annual report. All work has been performed in accordance with generally accepted professional practices in petroleum and environmental engineering, and hydrogeology.

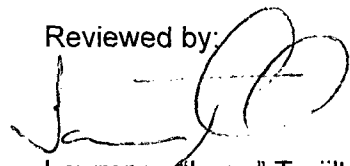
This document has been prepared by Souder Miller and Associates for the exclusive use of ConocoPhillips., as it pertains to the referenced well location operated by ConocoPhillips.

If there are any questions regarding this status report, please contact either John Hagstrom or Larry Trujillo at Souder Miller and Associates, (505) 325-5667. Thank you for your consideration.

Respectfully submitted,


John Hagstrom.
Environmental Technician

Reviewed by:


Lawrence "Larry" Trujillo, CHMM
Environmental Specialist

Souder Miller and Associates

Attachments: Table 1: Monitoring Well Details and Ground Water Levels Summary
Table 2: Ground Water BTEX Analytical Summary
Figure 1: Site Sketch
Figure 2, 3, & 4: Ground Water Potentiometric Maps
Laboratory Results, QA/QC, Chain of Custody

Acknowledgment:
CONOCOPHILLIPS, Inc.

Neal A. Aote / Site Manager
(Name/Title)

2-21-03
(Date)

JPH/jph 21362-02.doc

References

On Site Technologies, Ltd., March 21, 1998, letter to Mr. C. John Coy, SHEAR Specialist, Conoco, Inc., Midland Division, regarding: *Monitoring Well Installation & Status of Sampling, Conoco Location, Shephard & Kelsey #1, Unit L, Sec. 29, T29N, R11W, NMPM, San Juan Co., NM.*

On Site Technologies, Ltd., February 1, 1998, letter to Ms. Shirley Ebert, SHEAR Specialist, Conoco, Inc., Midland Division, regarding: *1997 Annual Ground Water Report, Conoco Location, Shephard & Kelsey #1, Unit L, Sec. 29, T29N, R11W, NMPM, San Juan Co., NM.*

On Site Technologies, Ltd.

Table 1

Groundwater Level Summary
Shephard & Kelsey #1
Unit L, Sec. 29, T29N, R11W

Well Number	Top of Casing Elevation* (ft)	Total Depth of Well (ft)*	Well Type	Screen Interval (ft) (BGS) *	Sample Date	Depth to Groundwater (ft) (BTOC)*	Relative Groundwater Elevation (ft)
MW-NE	100.0	5.42		4.0	06/12/96	2.54	97.46
					09/16/97	NM	
					12/02/97	2.31	97.69
					3/13/98	2.19	97.81
					6/9/98	2.12	97.81
					9/14/98	3.28	97.88
					6/14/01	6.4	93.60
					9/19/01	7.62	92.38
					12/13/01	6.86	93.14
					3/12/02	6.53	93.47
					6/19/02	7.4	92.6
					9/17/02	7.01	92.99
					1/2/03	NMW	
DG 1	100.895	9.05		4.0	6/15/01	6.15	94.70
					9/19/01	6.57	94.33
					12/13/01	6.49	94.41
					3/12/02	6.23	94.67
					6/19/02	6.88	94.02
					9/17/02	6.75	94.15
					1/2/03	NMW	
SB 12	99.01	11.31		4.0	6/14/01	6.9	92.11
					9/19/01	7.25	91.76
					12/13/01	6.39	92.62
					3/12/02	6.11	92.9
					6/19/02	6.76	92.25
					9/17/02	6.66	92.35
					1/2/03	NMW	
UG 1	101.71	9.83		4.0	6/14/01	5.81	95.90
					3/12/02	5.62	96.09
					6/19/02	6.02	95.69
					9/17/02	5.94	95.77
					1/2/03	NMW	0

On Site Technologies, Ltd.

Table 1

Groundwater Level Summary

Shephard & Kelsey #1

Unit L, Sec. 29, T29N, R11W

Well Number	Top of Casing Elevation* (ft)	Total Depth of Well (ft)*	Well Type	Screen Interval (BGS) *	Sample Date	Depth to Groundwater (ft) (BTOC)*	Relative Groundwater Elevation (ft)
UG 2	101.23	9.84		4.0	6/14/01	4.99	96.24
					3/12/02	6.19	95.04
					6/19/02	5.14	96.09
					9/17/02	5.09	96.14
					1/2/03	NMW	
DG-MW	unknown	5.42		4.0	6/15/01	2.25	

BGS - approximate measurements taken as Below Ground Surface

BTOC - Below Top of Casing

NM - Not Measured

On Site Technologies
Table 2

BTEX Analytical Summary
Shephard & Kelsey #1
Unit L, Sec. 29, T29N, R11W

Sample Date	Sample ID#	Monitor Well	Remarks	BTEX per EPA 8020 (ppb)				
				Benzene	Toluene	Ethylbenzene	Total Xylene	Total BTEX
07/18/97	0396G01420	DG#1	IML	10.5	36.3	280.0	1077.6	1405.4
06/15/01	0106018-01A	DG #1		BDL	BDL	54.0	285.0	339.0
09/19/01	0109026-03A	DG#1		BDL	BDL	BDL	BDL	BDL
12/13/01	0112015-03A	DG#1		BDL	BDL	BDL	BDL	BDL
3/12/02	0203022-03A	DG#1		BDL	BDL	BDL	BDL	BDL
6/19/02	0206030-02A	DG#1		BDL	BDL	BDL	BDL	BDL
9/17/02	0209019-02A	DG#1		BDL	BDL	BDL	BDL	BDL
07/18/96	0369G01419	MW#1	IML	191.0	BDL	77.9	100.0	368.9
03/20/97	14002	MW#1	On Site Lab.	< 0.2	< 0.2	< 0.2	0.2	0.2
06/12/97	14941	MW#1	On Site Lab.	BDL	BDL	BDL	0.2	0.2
09/16/97	*		NOT SAMPLED					
12/05/97	17002	MW#1	On Site Lab.	BDL	BDL	0.2	0.2	0.4
3/13/98	9803055-01A	MW#1	On Site Lab.	BDL	BDL	BDL	BDL	BDL
6/9/98	9806032-1A	MW#1	On Site Lab.	BDL	BDL	BDL	BDL	BDL
9/14/98	9809030-01A	MW#1	On Site Lab.	BDL	BDL	BDL	BDL	BDL
WQCC	ACTION	LEVELS		10.0	750.0	750.0	620.0	

BDL Below Detection Limits

On Site Technologies

Table 2

BTEX Analytical Summary

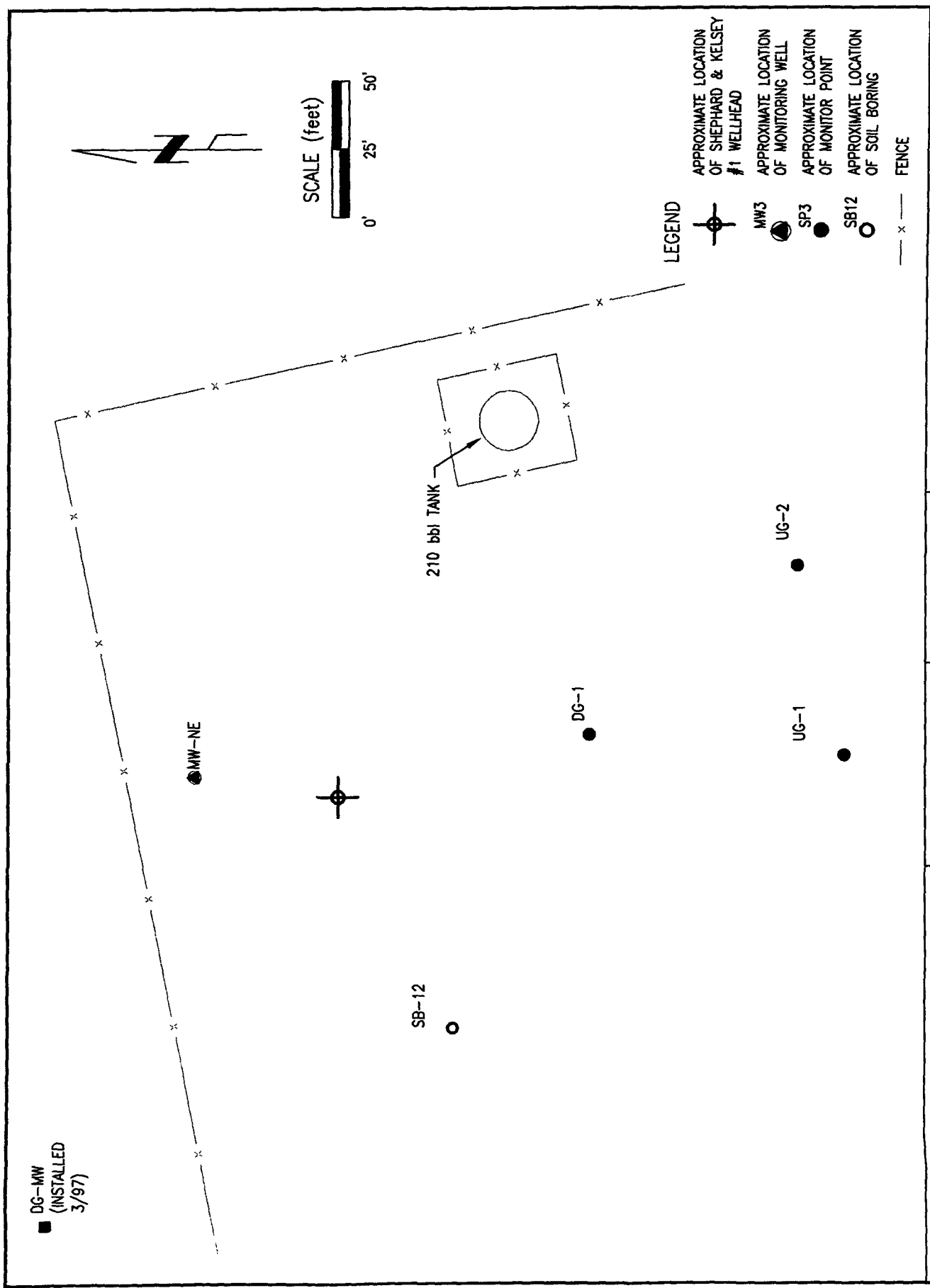
Shephard & Kelsey #1

Unit L, Sec. 29, T29N, R11W

Sample Date	Sample ID#	Monitor Well	Remarks	BTEX per EPA 8020 (ppb)				
				Benzene	Toluene	Ethylbenzene	Total Xylene	Total BTEX
06/14/01	0106016-01A	UG 1		BDL	BDL	BDL	BDL	0
06/14/01	0106016-02A	UG 2		BDL	BDL	BDL	BDL	0
06/14/01	0106016-03A	MW-NE		9.6	BDL	8.3	1.9	19.8
09/19/01	0109026-01A	MW-NE		24.0	0.7	18.0	26.5	69.2
12/13/01	0112015-01A	MW-NE		10.0	BDL	6.0	4.7	20.7
3/12/02	0203022-01A	MWNE		25.0	BDL	24	32	81.0
6/19/02	0206030-03A	MWNE		12.0	BDL	5.9	5.4	23.3
9/17/02	0209019-03A	MWNE		13.0	BDL	11.0	10.8	34.8
06/14/01	0106016-04A	SB 12		42.0	5.50	72.0	370.0	489.5
09/19/01	0109026-02A	SB 12		110.0	BDL	120.0	810.0	1040.0
12/13/01	0112015-02A	SB 12		28.0	BDL	63.0	322.9	413.9
3/12/02	0203022-02A	SB 12		64.0	BDL	56.0	211.4	331.40
6/19/02	0206030-01A	SB-12		130	BDL	76	380	586.0
9/17/02	0209019-01A	SB-12		40.0	BDL	51.0	245.1	
06/15/01	0106018-02A	DG-MW		BDL	BDL	BDL	BDL	BDL
WQCC	ACTION	LEVELS		10.0	750.0	750.0	620.0	

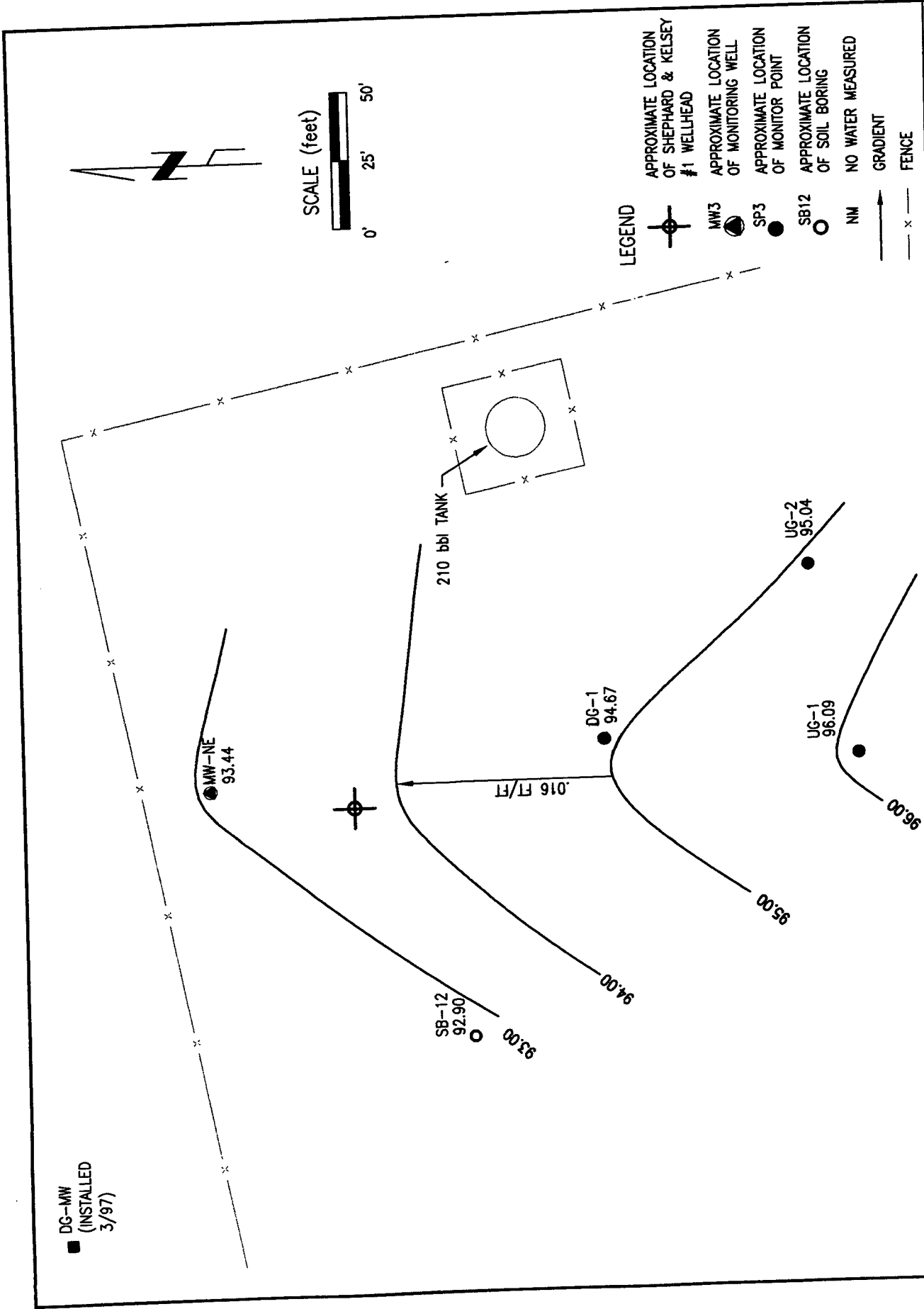
* Well not sampled 9/16/97 due to area around well flooded.

BDL Below Detection Limits



SMA Civil / Environmental Scientists & Engineers 612 E. MURRAY DR. PH (RMA) 908-8887		SITE SKETCH	
		APPROVED:	DATE:
		DRWN BY: JNAKAI	DATE: 2/24/03
		CHK'D BY:	DATE:

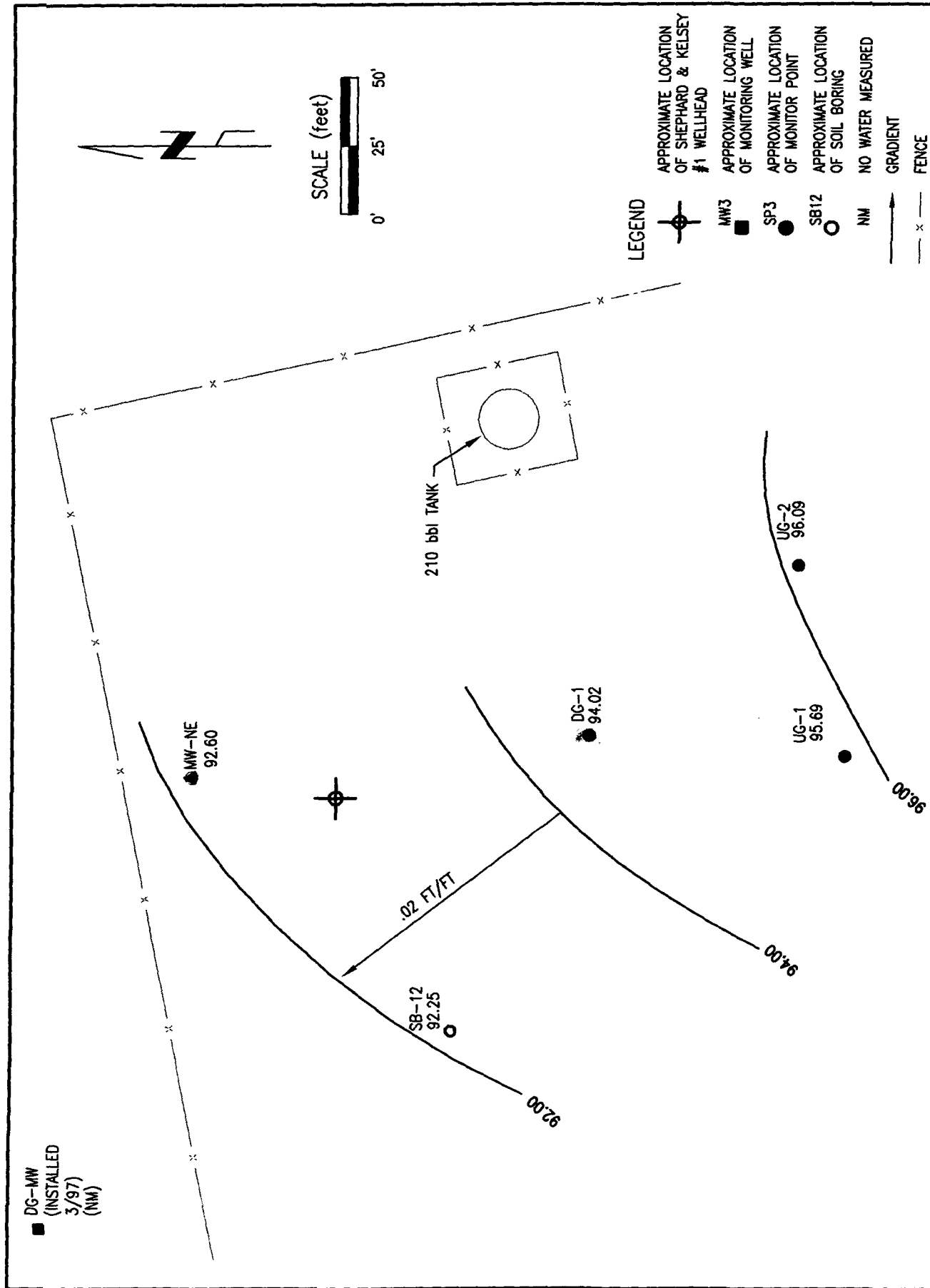
SHEPARD & KELSEY #1
 CONOCO, INC.



DG-MW
(INSTALLED
3/97)

APPROVED:	DATE:
DRWN BY: JNAKAI	DATE: 2/24/03
CHK'D BY:	DATE:

SMA
Civil / Environmental
Scientists & Engineers
P.O. Box 110000, Dallas, TX 75211-0000



GROUND WATER SURFACE MAP:
 JUNE 19, 2002
 SHEPARD & KELSEY #1
 CONOCO, INC.

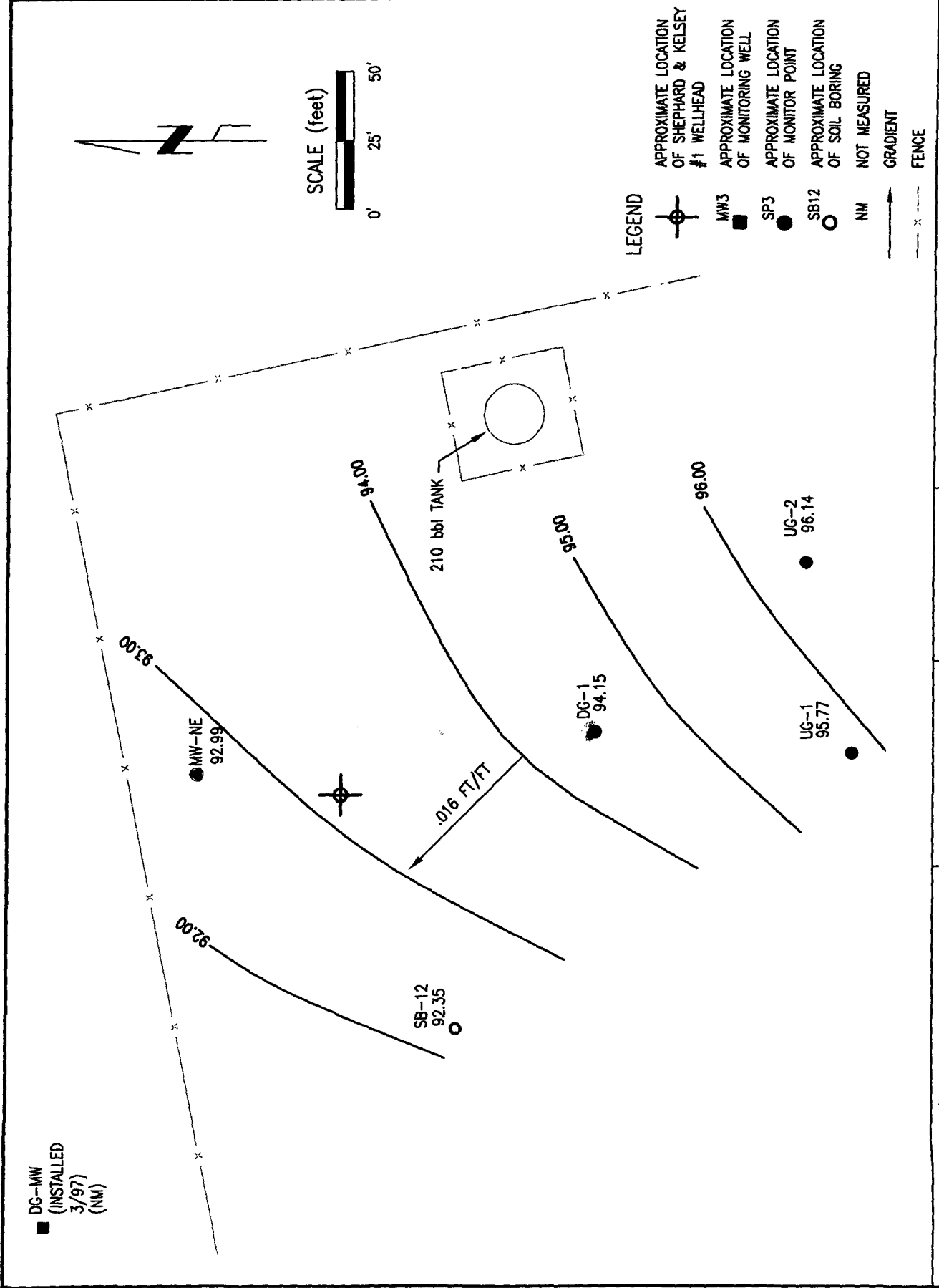
APPROVED:	DATE:
DRWN BY: JINAKAI	DATE: 2/24/03
CHK'D BY:	DATE:

SMA

*Civil / Environmental
 Scientists & Engineers*

612 E. MURRAY DR. PH. (405) 324-6667

1ddr2/2-1362/01.dwg-sept



APPROVED: DRWN BY: JNAKAI CHK'D BY:	DATE:
	DATE: 2/24/03
	DATE:

SMA
 Civil / Environmental
 Scientists & Engineers
 612 E. MURRAY DR. PH (KOK) 806-8887

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LAB: (505) 325-1556
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March 18, 2002

John Hagstrom
On Site Technologies Limited
612 E. Murray Drive
P.O. Box 2606
Farmington, NM 87499
TEL: (505) 325-5667
FAX: (505) 327-1496

RE: 2-1362; Conoco Shephard & Kelsey 1

Order No.: 0203022

Dear John Hagstrom,

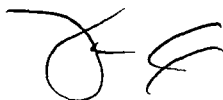
On Site Technologies, LTD. received 3 samples on 03/12/2002 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



David Cox

OFF: (505) 325-5667
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LAB: (505) 325-1556
FAX: (505) 327-1496

On Site Technologies, LTD.

Date: 18-Mar-02

CLIENT: On Site Technologies Limited
Project: 2-1362; Conoco Shephard & Kelsey 1
Lab Order: 0203022

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

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FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 18-Mar-02

Client:	On Site Technologies Limited	Client Sample Info:	Shephard & Kelsey 1
Work Order:	0203022	Client Sample ID:	MW NE
Lab ID:	0203022-01A	Matrix:	AQUEOUS
		Collection Date:	03/12/2002 10:45:00 AM
Project:	2-1362; Conoco Shephard & Kelsey 1	COC Record:	11823

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: HNR		
Benzene	25	0.5		µg/L	1	03/17/2002
Toluene	ND	0.5		µg/L	1	03/17/2002
Ethylbenzene	24	0.5		µg/L	1	03/17/2002
m,p-Xylene	31	1		µg/L	1	03/17/2002
o-Xylene	1	0.5		µg/L	1	03/17/2002

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

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EMAIL: ONSITE@ONSITELTD.COM

~ TECHNICAL ~

~ LIVE WITH THE ENVIRONMENT ~

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LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 18-Mar-02

Client:	On Site Technologies Limited	Client Sample Info:	Shephard & Kelsey 1
Work Order:	0203022	Client Sample ID:	SB 12
Lab ID:	0203022-02A	Matrix:	AQUEOUS
Project:	2-1362; Conoco Shephard & Kelsey 1	Collection Date:	03/12/2002 10:58:00 AM
		COC Record:	11823

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: HNR		
Benzene	64	0.5		µg/L	1	03/17/2002
Toluene	ND	0.5		µg/L	1	03/17/2002
Ethylbenzene	56	0.5		µg/L	1	03/17/2002
m,p-Xylene	210	1		µg/L	1	03/17/2002
o-Xylene	1.4	0.5		µg/L	1	03/17/2002

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

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COMPLY WITH THE ENVIRONMENT

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LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 18-Mar-02

Client:	On Site Technologies Limited	Client Sample Info:	Shephard & Kelsey 1
Work Order:	0203022	Client Sample ID:	DG 1
Lab ID:	0203022-03A	Matrix:	AQUEOUS
Project:	2-1362; Conoco Shephard & Kelsey 1	Collection Date:	03/12/2002 11:20:00 AM
		COC Record:	11823

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: HNR		
Benzene	ND	0.5		µg/L	1	03/17/2002
Toluene	ND	0.5		µg/L	1	03/17/2002
Ethylbenzene	ND	0.5		µg/L	1	03/17/2002
m,p-Xylene	ND	1		µg/L	1	03/17/2002
o-Xylene	ND	0.5		µg/L	1	03/17/2002

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

PO. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

TECHNOLOGIES

WORK WITH THE ENVIRONMENT

On Site Technologies, LTD.

Date: 18-Mar-02

CLIENT: On Site Technologies Limited

Work Order: 0203022

Project: 2-1362; Conoco Shephard & Kelsey I

QC SUMMARY REPORT

Method Blank

Sample ID: MB_020317	Batch ID: GC-1_020317	Test Code: SW8021B	Units: µg/L	Analysis Date: 03/17/2002	Prep Date:
Client ID:	0203022	Run ID: GC-1_020317A		SeqNo: 48743	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	ND	0.5			
Ethylbenzene	.0837	0.5			
m,p-Xylene	ND	1			J
Methyl tert-Butyl Ether	.2475	1			J
o-Xylene	ND	0.5			J
Toluene	.1165	0.5			
1,4-Difluorobenzene	104.6	0			
4-Bromochlorobenzene	114.9	0			
Fluorobenzene	105	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 18-Mar-02

CLIENT: On Site Technologies Limited
Work Order: 0203022
Project: 2-1362; Conoco Shephard & Kelsey 1

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0203007-03AMS		Batch ID: GC-1_020317		Test Code: SW8021B		Units: µg/L		Analysis Date: 03/17/2002		Prep Date:	
Client ID:		0203022		Run ID:		GC-1_020317A		SeqNo: 48744			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.42	0.5	40	10.27	95.4%	70	130				
Ethylbenzene	68.92	0.5	40	29.88	97.6%	70	130				
m,p-Xylene	309.5	1	80	220.2	111.6%	70	130				
Methyl tert-Butyl Ether	39.75	1	40	0.2069	98.9%	70	130				
o-Xylene	157.9	0.5	40	116.5	103.5%	70	130				E
Toluene	57.03	0.5	40	19.27	94.4%	70	130				
1,4-Difluorobenzene	104	0	110	0	94.6%	70	130				
4-Bromochlorobenzene	122.1	0	110	0	111.0%	70	130				
Fluorobenzene	104.2	0	110	0	94.7%	70	130				

Sample ID: 0203007-03AMSD		Batch ID: GC-1_020317	Test Code: SW8021B	Units: µg/L	Analysis Date: 03/17/2002		Prep Date:				
Client ID: 0203022		Run ID:	GC-1_020317A		SeqNo: 48745						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.88	0.5	40	10.27	94.0%	70	130	48.42	1.1%	15	
Ethylbenzene	68.11	0.5	40	29.88	95.6%	70	130	68.92	1.2%	15	
m,p-Xylene	305.8	1	80	220.2	107.0%	70	130	309.5	1.2%	15	E
Methyl tert-Butyl Ether	40.03	1	40	0.2069	99.6%	70	130	39.75	0.7%	15	
o-Xylene	156.6	0.5	40	116.5	100.2%	70	130	157.9	0.9%	15	
Toluene	56.36	0.5	40	19.27	92.7%	70	130	57.03	1.2%	15	
1,4-Difluorobenzene	104.4	0	110	0	94.9%	70	130	0	0.0%	0	
4-Bromochlorobenzene	121.6	0	110	0	110.5%	70	130	0	0.0%	0	
Fluorobenzene	104.2	0	110	0	94.7%	70	130	0	0.0%	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 18-Mar-02

CLIENT: On Site Technologies Limited
 Work Order: 0203022
 Project: 2-1362; Conoco Shephard & Kelsey 1

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS_020317		Batch ID: GC-1_020317		Test Code: SW8021B		Units: µg/L		Analysis Date: 03/17/2002		Prep Date:	
Client ID:		0203022		Run ID: GC-1_020317A				SeqNo: 48742			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	37.93	0.5	40	0	94.8%	80	120				
Ethylbenzene	38.98	0.5	40	0.0837	97.3%	80	120				
m,p-Xylene	77.37	1	80	0	96.7%	80	120				
Methyl tert-Butyl Ether	40.34	1	40	0.2475	100.2%	80	120				
o-Xylene	38.69	0.5	40	0	96.7%	80	120				
Toluene	37.58	0.5	40	0.1165	93.7%	80	120				
1,4-Difluorobenzene	104.2	0	110	0	94.8%	70	130				
4-Bromochlorobenzene	120.9	0	110	0	109.9%	70	130				
Fluorobenzene	104.5	0	110	0	95.0%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 18-Mar-02

CLIENT: On Site Technologies Limited

Work Order: 0203022

Project: 2-1362; Conoco Shephard & Kelsey 1

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1_020317	Batch ID: GC-1_020317	Test Code: SW8021B	Units: µg/L	Analysis Date: 03/17/2002				Prep Date:						
Client ID:	0203022	Run ID:	GC-1_020317A	PQL	SPK value	SPK Ref Val	%REC	SeqNo: 48739	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result													
Benzene	19.12			0.5	20	0	95.6%		85	115				
Ethylbenzene	21.5			0.5	20	0	107.5%		85	115				
m,p-Xylene	40.95			1	40	0	102.4%		85	115				
Methyl tert-Butyl Ether	20			1	20	0	100.0%		85	115				
o-Xylene	19.54			0.5	20	0	97.7%		85	115				
Toluene	18.96			0.5	20	0	94.8%		85	115				
1,4-Difluorobenzene	104.5			0	110	0	95.0%		70	130				
4-Bromochlorobenzene	123.2			0	110	0	112.0%		70	130				
Fluorobenzene	104.9			0	110	0	95.4%		70	130				

Sample ID: CCV2_020317		Batch ID: GC-1_020317		Test Code: SW8021B		Units: µg/L		Analysis Date: 03/17/2002		Prep Date:			
Client ID: 0203022		Run ID: GC-1_020317A		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result												
Benzene	38.74			0.5	40	0	96.8%	85	115				
Ethylbenzene	39.5			0.5	40	0	98.7%	85	115				
m,p-Xylene	78.34			1	80	0	97.9%	85	115				
Methyl tert-Butyl Ether	40.45			1	40	0	101.1%	85	115				
o-Xylene	39.14			0.5	40	0	97.9%	85	115				
Toluene	38.14			0.5	40	0	95.4%	85	115				
1,4-Difluorobenzene	104.6			0	110	0	95.1%	70	130				
4-Bromochlorobenzene	121.6			0	110	0	110.6%	70	130				
Fluorobenzene	105			0	110	0	95.5%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies Limited

Work Order: 0203022

Project: 2-1362; Conoco Shephard & Kelsey 1

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: CCV3_020317	Batch ID: GC-1_020317	Test Code: SW8021B	Units: µg/L	Analysis Date: 03/17/2002				Prep Date:				
Client ID:	0203022	Run ID:	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result											
Benzene	19.16		0.5	20	0	95.8%	85	115				
Ethylbenzene	19.5		0.5	20	0	97.5%	85	115				
m,p-Xylene	38.58		1	40	0	96.4%	85	115				
Methyl tert-Butyl Ether	19.98		1	20	0	99.9%	85	115				
o-Xylene	19.22		0.5	20	0	96.1%	85	115				
Toluene	18.89		0.5	20	0	94.4%	85	115				
1,4-Difluorobenzene	104.8		0	110	0	95.3%	70	130				
4-Bromochlorobenzene	121		0	110	0	110.0%	70	130				
Fluorobenzene	104.8		0	110	0	95.3%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 18-Mar-02

CLIENT: On Site Technologies Limited
Work Order: 0203022
Project: 2-1362; Conoco Shephard & Kelsey 1
Test No: SW8021B

QC SUMMARY REPORT SURROGATE RECOVERIES

Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ
0203006-01A	96	110	96.5
0203007-03A	95.4	110	95.6
0203007-03AMS	94.6	111	94.7
0203007-03AMSD	94.9	110	94.7
0203014-01A	96.7	110	97.4
0203014-02A	96.5	109	96.7
0203016-01A	93.6	108	94
0203016-02A	87.2	104	88.3
0203021-01A	96.5	110	96.8
0203022-01A	93.6	110	94.4
0203022-02A	85.9	103	92
0203022-03A	96.2	111	96.5
0203023-01A	85.9	101	91.9
CCV1_020317	95	112	95.4
CCV2_020317	95.1	110	95.5
CCV3_020317	95.3	110	95.3
LCS_020317	94.8	110	95
MB_020317	95.1	104	95.5

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	70-130
4BCBZ	= 4-Bromochlorobenzene	70-130
FLBZ	= Fluorobenzene	70-130

* Surrogate recovery outside acceptance limits



612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 327-1496

CHAIN OF CUSTODY RECORD

Date: 3/12/01

Page: 1 of 1

Purchase Order No.:		Project No. <u>2-1312</u>		
SEND INVOICE TO				
Name <u>John H. Armstrong</u>		Dept.		
Company		Address		
City, State, Zip		Telephone No.		
PROJECT LOCATION: <u>CONDO SHEPHERD & KELSEY 1</u>				
SAMPLER'S SIGNATURE: <u>[Signature]</u>				
SAMPLE IDENTIFICATION				
SAMPLE	DATE	TIME	MATRIX	PRES.
	LAB ID			
<u>MW NE</u>	<u>3/12/01</u>	<u>1045</u>	<u>420</u>	<u>146L</u>
<u>56 12</u>	<u>1058</u>	<u>1058</u>	<u>420</u>	<u>1</u>
<u>D6 1</u>	<u>1120</u>	<u>1120</u>	<u>420</u>	<u>2</u>
Number of Containers				
ANALYSIS REQUESTED				
LAB ID				
Received by: <u>[Signature]</u> Date/Time <u>3/12/01 1420</u>				
Received by: <u>[Signature]</u> Date/Time <u>3/12/01 1425</u>				
Received by: <u>[Signature]</u> Date/Time <u>3/12/01 1425</u>				
Rush ☐ 24-48 Hours ☐ 10 Working Days ☐ By Date ☐				
Special Instructions / Remarks:				
Authorized by: <u>[Signature]</u> Date <u>3/12/01</u>				
(Client Signature Must Accompany Request)				

Distribution: White - On Site Yellow - LAB Pink - Sampler Goldendred - Client

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

July 10, 2002

John Hagstrom
On Site Technologies Limited
612 E. Murray Drive
P.O. Box 2606
Farmington, NM 87499
TEL: (505) 325-5667
FAX: (505) 327-1496

RE: 2-1362; Conoco S&K 1

Order No.: 0206030

Dear John Hagstrom,

On Site Technologies, LTD. received 3 samples on 06/19/2002 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to be 'DC' or 'D Cox', written over a horizontal line.

David Cox

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LAB: (505) 325-1556
FAX: (505) 327-1496

On Site Technologies, LTD.

Date: 10-Jul-02

CLIENT: On Site Technologies Limited
Project: 2-1362; Conoco S&K 1
Lab Order: 0206030

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

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ANALYTICAL REPORT

Date: 10-Jul-02

Client:	On Site Technologies Limited	Client Sample Info:	Conoco S&K 1
Work Order:	0206030	Client Sample ID:	SB12
Lab ID:	0206030-01A	Matrix:	AQUEOUS
Project:	2-1362; Conoco S&K 1	Collection Date:	06/19/2002 12:10:00 PM
		COC Record:	11980

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DWC		
Benzene	130	0.5		µg/L	1	06/27/2002
Toluene	ND	0.5		µg/L	1	06/27/2002
Ethylbenzene	76	0.5		µg/L	1	06/27/2002
m,p-Xylene	380	1		µg/L	1	06/27/2002
o-Xylene	ND	0.5		µg/L	1	06/27/2002

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted precision limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

1 of 1

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~ TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT ~

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ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 10-Jul-02

Client:	On Site Technologies Limited	Client Sample Info:	Conoco S&K 1
Work Order:	0206030	Client Sample ID:	DG1
Lab ID:	0206030-02A	Matrix:	AQUEOUS
Project:	2-1362; Conoco S&K 1	Collection Date:	06/19/2002 12:25:00 PM
		COC Record:	11980

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DWC
Benzene	ND	0.5		µg/L	1	06/28/2002
Toluene	ND	0.5		µg/L	1	06/28/2002
Ethylbenzene	ND	0.5		µg/L	1	06/28/2002
m,p-Xylene	ND	1		µg/L	1	06/28/2002
o-Xylene	ND	0.5		µg/L	1	06/28/2002

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted precision limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

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ANALYTICAL REPORT

Date: 10-Jul-02

Client:	On Site Technologies Limited	Client Sample Info:	Conoco S&K 1
Work Order:	0206030	Client Sample ID:	MW NE
Lab ID:	0206030-03A	Matrix:	AQUEOUS
Project:	2-1362; Conoco S&K 1	Collection Date:	06/19/2002 12:35:00 PM
		COC Record:	11980

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DWC		
Benzene	12	0.5		µg/L	1	06/27/2002
Toluene	ND	0.5		µg/L	1	06/27/2002
Ethylbenzene	5.9	0.5		µg/L	1	06/27/2002
m,p-Xylene	5.4	1		µg/L	1	06/27/2002
o-Xylene	ND	0.5		µg/L	1	06/27/2002

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted precision limits
	I - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

On Site Technologies, LTD.

Date: 10-Jul-02

CLIENT: On Site Technologies Limited
Work Order: 0206030
Project: 2-1362; Conoco S&K 1

QC SUMMARY REPORT

Method Blank

Sample ID: MB_020627	Batch ID: GC-1_020627	Test Code: SW8021B	Units: µg/L	Analysis Date: 06/27/2002		Prep Date: 06/27/2002					
Client ID: 0206030	Run ID: GC-1_020627A			SeqNo: 52887							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.5									
Ethylbenzene	ND	0.5									
m,p-Xylene	ND	1									
Methyl tert-Butyl Ether	ND	1									
o-Xylene	ND	0.5									
Toluene	.1054	0.5									J
1,4-Difluorobenzene	107.6	0									
4-Bromochlorobenzene	118.6	0									
Fluorobenzene	109.7	0									

Sample ID: MB_020628		Batch ID: GC-1_020628		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/28/2002		Prep Date: 06/28/2002												
Client ID:		0206030		Run ID:		GC-1_020628A		SeqNo: 52913														
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual
Benzene		ND		0.5																		
Ethylbenzene		ND		0.5																		
m,p-Xylene		ND		1																		
Methyl tert-Butyl Ether		ND		1																		
o-Xylene		ND		0.5																		
Toluene		.1684		0.5																		
1,4-Difluorobenzene		109		0																		
4-Bromochlorobenzene		121.8		0																		
Fluorobenzene		112.8		0																		J

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 10-Jul-02

CLIENT: On Site Technologies Limited
Work Order: 0206030
Project: 2-1362; Conoco S&K 1

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0206041-01AMS		Batch ID: GC-1_020627	Test Code: SW8021B	Units: µg/L	Analysis Date: 06/27/2002		Prep Date: 06/27/2002
Client ID: 0206030		Run ID: GC-1_020627A	PQL	SPK value	SPK Ref Val	SeqNo: 52888	
Analyte	Result					LowLimit	HighLimit
Benzene	1171		5	400	769.1	70	130
Ethylbenzene	763.9		5	400	352.2	70	130
m,p-Xylene	1554		10	800	774.5	70	130
Methyl tert-Butyl Ether	601.3		10	400	205	70	130
o-Xylene	474.6		5	400	88.25	70	130
Toluene	597.6		5	400	204.9	70	130
1,4-Difluorobenzene	1065		0	1100	0	70	130
4-Bromochlorobenzene	1210		0	1100	0	70	130
Fluorobenzene	1087		0	1100	0	70	130
						%REC	
						100.6%	
						102.9%	
						97.4%	
						99.1%	
						96.6%	
						98.2%	
						96.8%	
						110.0%	
						98.8%	
							%RPD
							RPDLimit
							Qual

Sample ID: 0206041-01AMS		Batch ID: GC-1_020627	Test Code: SW8021B	Units: µg/L	Analysis Date: 06/27/2002		Prep Date: 06/27/2002
Client ID: 0206030		Run ID: GC-1_020627A	PQL	SPK value	SPK Ref Val	SeqNo: 52889	
Analyte	Result					LowLimit	HighLimit
Benzene	1127		5	400	769.1	70	130
Ethylbenzene	735.7		5	400	352.2	70	130
m,p-Xylene	1498		10	800	774.5	70	130
Methyl tert-Butyl Ether	591.9		10	400	205	70	130
o-Xylene	460.1		5	400	88.25	70	130
Toluene	574.8		5	400	204.9	70	130
1,4-Difluorobenzene	1054		0	1100	0	70	130
4-Bromochlorobenzene	1208		0	1100	0	70	130
Fluorobenzene	1084		0	1100	0	70	130
						%REC	
						89.6%	
						95.9%	
						90.5%	
						96.7%	
						93.0%	
						92.5%	
						95.9%	
						109.8%	
						98.5%	
							%RPD
							RPDLimit
							Qual
							15
							15
							15
							15
							15
							15
							15
							0
							0
							0

CLIENT: On Site Technologies Limited
 Work Order: 0206030
 Project: 2-1362; Conoco S&K I

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0206039-02AMS		Batch ID: GC-1_020628		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/28/2002				Prep Date: 06/28/2002	
Client ID:		0206030		Run ID:		GC-1_020628A		SeqNo: 52914					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	512.8	2.5	200	312.6	100.1%	70	130						
Ethylbenzene	483.4	2.5	200	295.9	93.8%	70	130						
m,p-Xylene	897.1	5	400	517.3	94.9%	70	130						
Methyl tert-Butyl Ether	202.2	5	200	0	101.1%	70	130						
o-Xylene	221.4	2.5	200	30.64	95.4%	70	130						
Toluene	212.8	2.5	200	0.7775	106.0%	70	130						
1,4-Difluorobenzene	538.8	0	550	0	98.0%	70	130						
4-Bromochlorobenzene	614	0	550	0	111.6%	70	130						
Fluorobenzene	553.7	0	550	0	100.7%	70	130						

Sample ID: 0206039-02AMS		Batch ID: GC-1_020628		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/28/2002				Prep Date: 06/28/2002	
Client ID:		0206030		Run ID:		GC-1_020628A		SeqNo: 52915					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	495.9	2.5	200	312.6	91.6%	70	130	512.8	3.3%	15			
Ethylbenzene	466.3	2.5	200	295.9	85.2%	70	130	483.4	3.6%	15			
m,p-Xylene	866.1	5	400	517.3	87.2%	70	130	897.1	3.5%	15			
Methyl tert-Butyl Ether	197.8	5	200	0	98.9%	70	130	202.2	2.2%	15			
o-Xylene	216.8	2.5	200	30.64	93.1%	70	130	221.4	2.1%	15			
Toluene	206.5	2.5	200	0.7775	102.9%	70	130	212.8	3.0%	15			
1,4-Difluorobenzene	529.2	0	550	0	96.2%	70	130	0	0.0%	0			
4-Bromochlorobenzene	603	0	550	0	109.6%	70	130	0	0.0%	0			
Fluorobenzene	545.4	0	550	0	99.2%	70	130	0	0.0%	0			

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 10-Jul-02

CLIENT: On Site Technologies Limited

Work Order: 0206030

Project: 2-1362; Conoco S&K 1

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS_020627		Batch ID: GC-1_020627		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/27/2002		Prep Date: 06/27/2002	
Client ID:		0206030		Run ID: GC-1_020627A				SeqNo: 52886			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	38.85	0.5	40	0	97.1%	80	120				
Ethylbenzene	39.46	0.5	40	0	98.7%	80	120				
m,p-Xylene	78.4	1	80	0	98.0%	80	120				
Methyl tert-Butyl Ether	39.58	1	40	0	99.0%	80	120				
o-Xylene	38.05	0.5	40	0	95.1%	80	120				
Toluene	37.88	0.5	40	0.1054	94.4%	80	120				
1,4-Difluorobenzene	106.6	0	110	0	97.0%	70	130				
4-Bromochlorobenzene	120.1	0	110	0	109.2%	70	130				
Fluorobenzene	108.9	0	110	0	99.0%	70	130				

Sample ID: LCS_020628		Batch ID: GC-1_020628		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/28/2002		Prep Date: 06/28/2002	
Client ID:		0206030		Run ID: GC-1_020628A				SeqNo: 52912			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	39.44	0.5	40	0	98.6%	80	120				
Ethylbenzene	39.99	0.5	40	0	100.0%	80	120				
m,p-Xylene	79.19	1	80	0	99.0%	80	120				
Methyl tert-Butyl Ether	38.46	1	40	0	96.1%	80	120				
o-Xylene	38.22	0.5	40	0	95.6%	80	120				
Toluene	38.31	0.5	40	0.1684	95.4%	80	120				
1,4-Difluorobenzene	108.3	0	110	0	98.4%	70	130				
4-Bromochlorobenzene	122	0	110	0	110.9%	70	130				
Fluorobenzene	111.3	0	110	0	101.2%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 10-Jul-02

CLIENT: On Site Technologies Limited
Work Order: 0206030
Project: 2-1362; Conoco S&K I

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1_020627		Batch ID: GC-1_020627		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/27/2002			Prep Date: 06/27/2002		
Client ID:		0206030		Run ID:		GC-1_020627A		SeqNo: 52883					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	20.08	0.5	20	0	100.4%	85	115						
Ethylbenzene	20.33	0.5	20	0	101.6%	85	115						
m,p-Xylene	40.7	1	40	0	101.7%	85	115						
Methyl tert-Butyl Ether	19.9	1	20	0	99.5%	85	115						
o-Xylene	19.56	0.5	20	0	97.8%	85	115						
Toluene	19.51	0.5	20	0	97.5%	85	115						
1,4-Difluorobenzene	106.7	0	110	0	97.0%	70	130						
4-Bromochlorobenzene	117.7	0	110	0	107.0%	70	130						
Fluorobenzene	109.6	0	110	0	99.6%	70	130						

Sample ID: CCV2_020627		Batch ID: GC-1_020627		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/27/2002				Prep Date: 06/27/2002	
Client ID:		0206030		Run ID:		GC-1_020627A		SeqNo: 52884					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	19.17	0.5	20	0	95.9%	85	115						
Ethylbenzene	19.37	0.5	20	0	96.9%	85	115						
m,p-Xylene	38.18	1	40	0	95.4%	85	115						
Methyl tert-Butyl Ether	18.95	1	20	0	94.7%	85	115						
o-Xylene	18.69	0.5	20	0	93.5%	85	115						
Toluene	18.54	0.5	20	0	92.7%	85	115						
1,4-Difluorobenzene	109.1	0	110	0	99.2%	70	130						
4-Bromochlorobenzene	123.6	0	110	0	112.4%	70	130						
Fluorobenzene	111.7	0	110	0	101.6%	70	130						

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies Limited
Work Order: 0206030
Project: 2-1362; Conoco S&K I

QC SUMMARY REPORT Continuing Calibration Verification Standard

Sample ID: CCV3_020627		Batch ID: GC-1_020627		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/27/2002				Prep Date: 06/27/2002	
Client ID:		0206030		Run ID:		GC-1_020627A		SeqNo: 52885					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	38.74	0.5	40	0	96.8%	85	115						
Ethylbenzene	38.89	0.5	40	0	97.2%	85	115						
m,p-Xylene	76.38	1	80	0	95.5%	85	115						
Methyl tert-Butyl Ether	38.49	1	40	0	96.2%	85	115						
o-Xylene	37.42	0.5	40	0	93.5%	85	115						
Toluene	37.56	0.5	40	0	93.9%	85	115						
1,4-Difluorobenzene	107.9	0	110	0	98.1%	70	130						
4-Bromochlorobenzene	119.1	0	110	0	108.3%	70	130						
Fluorobenzene	111.5	0	110	0	101.4%	70	130						

Sample ID: CCV1_020628		Batch ID: GC-1_020628		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/28/2002			Prep Date: 06/28/2002	
Client ID:		0206030		Run ID:		GC-1_020628A		SeqNo: 52911				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		20.37	0.5	20	0	101.9%	85	115				
Ethylbenzene		20.56	0.5	20	0	102.8%	85	115				
m,p-Xylene		40.47	1	40	0	101.2%	85	115				
Methyl tert-Butyl Ether		19.98	1	20	0	99.9%	85	115				
o-Xylene		19.67	0.5	20	0	98.4%	85	115				
Toluene		19.69	0.5	20	0	98.5%	85	115				
1,4-Difluorobenzene		108.4	0	110	0	98.5%	70	130				
4-Bromochlorobenzene		121.5	0	110	0	110.4%	70	130				
Fluorobenzene		111.6	0	110	0	101.5%	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies Limited
Work Order: 0206030
Project: 2-1362; Conoco S&K 1

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV2_020628		Batch ID: GC-1_020628		Test Code: SW8021B		Units: µg/L		Analysis Date: 06/28/2002		Prep Date: 06/28/2002	
Client ID:		0206030		Run ID:		GC-1_020628A		SeqNo: 52909			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.06	0.5	20	0	100.3%	85	115				
Ethylbenzene	20.13	0.5	20	0	100.6%	85	115				
m,p-Xylene	39.24	1	40	0	98.1%	85	115				
Methyl tert-Butyl Ether	20.31	1	20	0	101.5%	85	115				
o-Xylene	19.37	0.5	20	0	96.8%	85	115				
Toluene	19.38	0.5	20	0	96.9%	85	115				
1,4-Difluorobenzene	108.7	0	110	0	98.8%	70	130				
4-Bromochlorobenzene	118.9	0	110	0	108.1%	70	130				
Fluorobenzene	111.8	0	110	0	101.7%	70	130				

Sample ID: CCV3_020628	Batch ID: GC-1_020628	Test Code: SW8021B	Units: µg/L	Analysis Date: 06/28/2002				Prep Date: 06/28/2002					
Client ID:	0206030	Run ID:	GC-1_020628A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result												
Benzene	38.19			0.5	40	0	95.5%	85	115				
Ethylbenzene	38.83			0.5	40	0	97.1%	85	115				
m,p-Xylene	75.68			1	80	0	94.6%	85	115				
Methyl tert-Butyl Ether	38.62			1	40	0	96.5%	85	115				
o-Xylene	37.34			0.5	40	0	93.4%	85	115				
Toluene	37.3			0.5	40	0	93.2%	85	115				
1,4-Difluorobenzene	108.5			0	110	0	98.6%	70	130				
4-Bromochlorobenzene	116.4			0	110	0	105.8%	70	130				
Fluorobenzene	112.3			0	110	0	102.1%	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 10-Jul-02

CLIENT: On Site Technologies Limited
 Work Order: 0206030
 Project: 2-1362; Conoco S&K 1
 Test No: SW8021B

QC SUMMARY REPORT SURROGATE RECOVERIES

Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ
0206028-01A	88	100	105
0206029-01A	99.2	109	102
0206030-01A	90.1	103	102
0206030-02A	99.4	111	102
0206030-03A	96.5	111	100
0206031-01A	99.4	110	102
0206031-02A	98.4	110	102
0206031-03A	98.2	111	101
0206031-04A	92.1	107	95.5
0206039-01A	91.8	112	95.2
0206039-02A	96.5	108	99.6
0206039-02AMS	98	112	101
0206039-02AMSD	96.2	110	99.2
0206041-01A	96.6	110	99
0206041-01AMS	96.8	110	98.8
0206041-01AMSD	95.8	110	98.5
0206041-02A	98.1	112	101
0206048-01A	97.7	109	101
0206049-01A	97.6	106	100
0206049-02A	95.9	107	99.7
0206050-01A	95.5	109	98.7
0206050-02A	99.5	113	102
0206051-01A	99.2	111	102
0206052-01A	96.3	106	100
0206054-02A	101	100	96.8
0206054-03A	95.5	109	98.3
0206054-04A	95.4	109	98.2

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	70-130
4BCBZ	= 4-Bromochlorobenzene	70-130
FLBZ	= Fluorobenzene	70-130

* Surrogate recovery outside acceptance limits

CLIENT: On Site Technologies Limited
Work Order: 0206030
Project: 2-1362; Conoco S&K 1
Test No: SW8021B

QC SUMMARY REPORT SURROGATE RECOVERIES

Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ
0206057-01A	99.5	107	102
0206057-02A	99.2	106	103
0206057-03A	99.6	106	103
0206057-04A	99.7	106	103
0206057-05A	99.4	105	103
0206057-06A	99.1	106	103
0206057-07A	99.3	108	102
0206057-08A	99.3	108	103
0206061-01A	95.4	100	102
CCV1_020627	97	107	99.6
CCV1_020628	98.5	110	102
CCV2_020627	99.2	112	102
CCV2_020628	98.8	108	102
CCV3_020627	98.1	108	101
CCV3_020628	98.6	106	102
LCS_020627	97	109	99
LCS_020628	98.4	111	101
MB_020627	97.8	108	99.8
MB_020628	99.1	111	102

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	70-130
4BCBZ	= 4-Bromochlorobenzene	70-130
FLBZ	= Fluorobenzene	70-130

* Surrogate recovery outside acceptance limits



LAB: (505) 325-5667 • FAX: (505) 327-1496

Date: 6/14/02

6

Date: 6/14/02

Distribution: White - On Site .. Yellow - LAB Pink - Sampler : Goldenrod - Client

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

iina bá

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

October 08, 2002

John Hagstrom
On Site Technologies Limited
612 E. Murray Drive
P.O. Box 2606
Farmington, NM 87499

TEL: (505) 325-5667

FAX (505) 327-1496

RE: 2-1362; Shepard & Kelsey 1

Order No.: 0209019

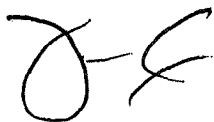
Dear John Hagstrom:

iina ba, Ltd. received 3 samples on 9/17/2002 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,



David Cox

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

iiná bá

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: 08-Oct-02

CLIENT: On Site Technologies Limited
Project: 2-1362; Shepard & Kelsey 1
Lab Order: 0209019

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

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Farmington, NM 87401

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P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: 08-Oct-02

CLIENT: On Site Technologies Limited
Work Order: 0209019
Project: 2-1362; Shepard & Kelsey 1
Lab ID: 0209019-01A

Client Sample Info: Shepard & Kelsey 1
Client Sample ID: SB 12
Collection Date: 9/17/2002 2:00:00 PM
Matrix: AQUEOUS

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: HNR		
Benzene	40	2.5		µg/L	5	9/25/2002
Ethylbenzene	51	2.5		µg/L	5	9/25/2002
m,p-Xylene	240	5.0		µg/L	5	9/25/2002
o-Xylene	5.1	2.5		µg/L	5	9/25/2002
Toluene	ND	2.5		µg/L	5	9/25/2002

Qualifiers: ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above quantitation range

Page 1 of 3

MAINTAINING HARMONY BETWEEN MAN AND HIS ENVIRONMENT

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

iiná bá

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: 08-Oct-02

CLIENT: On Site Technologies Limited
Work Order: 0209019
Project: 2-1362; Shepard & Kelsey 1
Lab ID: 0209019-02A

Client Sample Info: Shephard & Kelsey 1
Client Sample ID: DG 1
Collection Date: 9/17/2002 2:15:00 PM
Matrix: AQUEOUS

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HNR
Benzene	ND	0.50		µg/L	1	9/25/2002
Ethylbenzene	ND	0.50		µg/L	1	9/25/2002
m,p-Xylene	ND	1.0		µg/L	1	9/25/2002
o-Xylene	ND	0.50		µg/L	1	9/25/2002
Toluene	ND	0.50		µg/L	1	9/25/2002

Qualifiers: ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above quantitation range

Page 2 of 3

MAINTAINING HARMONY BETWEEN MAN AND HIS ENVIRONMENT

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

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P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: 08-Oct-02

CLIENT: On Site Technologies Limited
Work Order: 0209019
Project: 2-1362; Shepard & Kelsey 1
Lab ID: 0209019-03A

Client Sample Info: Shephard & Kelsey 1
Client Sample ID: MW NE
Collection Date: 9/17/2002 1:45:00 PM
Matrix: AQUEOUS

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: HNR		
Benzene	13	0.50		µg/L	1	9/25/2002
Ethylbenzene	11	0.50		µg/L	1	9/25/2002
m,p-Xylene	9.2	1.0		µg/L	1	9/25/2002
o-Xylene	1.6	0.50		µg/L	1	9/25/2002
Toluene	ND	0.50		µg/L	1	9/25/2002

Qualifiers: ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above quantitation range

Page 3 of 3

MAINTAINING HARMONY BETWEEN I'AN AND HIS ENVIRONMENT

iina ba, Ltd.

Date: 08-Oct-02

CLIENT: On Site Technologies Limited
Work Order: 0209019
Project: 2-1362; Shepard & Kelsey 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3933

Sample ID	MB_020923	SampType: MBLK	TestCode: BTEX_W	Units: µg/L	Prep Date: 9/25/2002	Run ID: GC-1_020925A					
Client ID: ZZZZZ		Batch ID: R3933	TestNo: SW8021B		Analysis Date: 9/25/2002	SeqNo: 58371					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	0.0412	0.50									J
Ethylbenzene	0.0587	0.50									J
m,p-Xylene	ND	1.0									
o-Xylene	0.0942	0.50									J
Toluene	0.1038	0.50									J
Surr: 1,4-Difluorobenzene	107.6	0	110	0	97.8	82	112	0	0		
Surr: 4-Bromochlorobenzene	117.7	0	110	0	107	95	124	0	0		
Surr: Fluorobenzene	110.1	0	110	0	100	84	114	0	0		

Sample ID	LCS_020925	SampType: LCS	TestCode: BTEX_W	Units: µg/L	Prep Date: 9/25/2002	Run ID: GC-1_020925A					
Client ID:	ZZZZZ	Batch ID: R3933	TestNo: SW8021B		Analysis Date: 9/25/2002	SeqNo: 58370					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	40.11	0.50	40	0.0412	100	86	106	0	0		
Ethylbenzene	41.09	0.50	40	0.0587	103	88	110	0	0		
m,p-Xylene	82.23	1.0	80	0	103	86	110	0	0		
o-Xylene	39.67	0.50	40	0.0942	98.9	83	110	0	0		
Toluene	39.45	0.50	40	0.1038	98.4	84	105	0	0		
Surr: 1,4-Difluorobenzene	107.3	0	110	0	97.6	82	112	0	0		
Surr: 4-Bromochlorobenzene	122.8	0	110	0	112	95	124	0	0		
Surr: Fluorobenzene	108.1	0	110	0	98.3	84	114	0	0		

Sample ID	0209018-03AMS	SampType: MS	TestCode: BTEX_W	Units: µg/L	Prep Date: 9/25/2002	Run ID: GC-1_020925A						
Client ID: ZZZZZ		Batch ID: R3933	TestNo: SW8021B		Analysis Date: 9/25/2002	SeqNo: 58372						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	217.5	2.5	200	21.32	98.1	76	114	0	0		
Ethylbenzene	231.2	2.5	200	28.79	101	80	113	0	0		
m,p-Xylene	894.2	5.0	400	469.7	106	73	118	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: On Site Technologies Limited
Work Order: 0209019
Project: 2-1362; Shepard & Kelsey 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3933

Sample ID	0209018-03AMS	SampType: MS	TestCode: BTEX_W	Units: µg/L	Prep Date: 9/25/2002	Run ID: GC-1_020925A					
Client ID: ZZZZZ		Batch ID: R3933	TestNo: SW8021B		Analysis Date: 9/25/2002	SeqNo: 58372					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	194.4	2.5	200	6.976	93.7	82	106	0	0		
Toluene	207.4	2.5	200	2.468	102	80	110	0	0		
Surr: 1,4-Difluorobenzene	510.9	0	550	0	92.9	82	112	0	0		
Surr: 4-Bromochlorobenzene	611.8	0	550	0	111	95	124	0	0		
Surr: Fluorobenzene	518.5	0	550	0	94.3	84	114	0	0		

Sample ID	0209018-03AMSD	SampType:	MSD	TestCode:	BTEX_W	Units:	µg/L	Prep Date:	9/25/2002	Run ID:	GC-1_020925A
Client ID:	ZZZZZ	Batch ID:	R3933	TestNo:	SW8021B			Analysis Date:	9/25/2002	SeqNo:	58373
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	211.5	2.5	200	21.32	95.1	76	114	217.5	2.82	15	
Ethylbenzene	225.1	2.5	200	28.79	98.2	80	113	231.2	2.66	15	
m,p-Xylene	872.5	5.0	400	469.7	101	73	118	894.2	2.46	15	
o-Xylene	189.7	2.5	200	6.976	91.4	82	106	194.4	2.44	15	
Toluene	199.8	2.5	200	2.468	98.6	80	110	207.4	3.77	15	
Surr: 1,4-Difluorobenzene	515.1	0	550	0	93.7	82	112	0	0	0	
Surr: 4-Bromochlorobenzene	616	0	550	0	112	95	124	0	0	0	
Surr: Fluorobenzene	519.8	0	550	0	94.5	84	114	0	0	0	

Sample ID	CCV1_020925	SampType:	CCV	TestCode:	BTEX_W	Units:	µg/L	Prep Date:	9/25/2002	Run ID:	GC-1_020925A
Client ID:	ZZZZZ	Batch ID:	R3933	TestNo:	SW8021B			Analysis Date:	9/25/2002	SeqNo:	58367
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.2	0.50	20	0	101	85	115	0	0		
Ethylbenzene	20.68	0.50	20	0	103	85	115	0	0		
m,p-Xylene	40.89	1.0	40	0	102	85	115	0	0		
o-Xylene	19.84	0.50	20	0	99.2	85	115	0	0		
Toluene	19.77	0.50	20	0	98.9	85	115	0	0		
Surr: 1,4-Difluorobenzene	107.5	0	110	0	97.7	82	112	0	0		
Surr: 4-Bromochlorobenzene	120.7	0	110	0	110	95	124	0	0		
Surr: Fluorobenzene	109.1	0	110	0	99.1	84	114	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits
 R - RPD outside accepted recovery limits

CLIENT: On Site Technologies Limited

Work Order: 0209019

Project: 2-1362; Shepard & Kelsey 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3933

Sample ID	CCV2_020925	SampType: CCV	TestCode: BTEX_W	Units: µg/L	Prep Date: 9/25/2002	Run ID: GC-1_020925A					
Client ID: ZZZZZ		Batch ID: R3933	TestNo: SW8021B		Analysis Date: 9/25/2002	SeqNo: 58368					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	41.37	0.50	40	0	103	85	115	0	0		
Ethylbenzene	41.99	0.50	40	0	105	85	115	0	0		
m,p-Xylene	83.76	1.0	80	0	105	85	115	0	0		
o-Xylene	40.38	0.50	40	0	101	85	115	0	0		
Toluene	40.53	0.50	40	0	101	85	115	0	0		
Surr: 1,4-Difluorobenzene	106	0	110	0	96.3	82	112	0	0		
Surr: 4-Bromochlorobenzene	125	0	110	0	114	95	124	0	0		
Surr: Fluorobenzene	107.9	0	110	0	98.1	84	114	0	0		

Sample ID	CCV3_020925	SampType: CCV	TestCode: BTEX_W	Units: µg/L	Prep Date: 9/25/2002	Run ID: GC-1_020925A					
Client ID:	ZZZZZ	Batch ID: R3933	TestNo: SW8021B		Analysis Date: 9/25/2002	SeqNo: 58369					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	19.87	0.50	20	0	99.3	85	115	0	0		
Ethylbenzene	20.26	0.50	20	0	101	85	115	0	0		
m,p-Xylene	39	1.0	40	0	97.5	85	115	0	0		
o-Xylene	19.64	0.50	20	0	98.2	85	115	0	0		
Toluene	19.41	0.50	20	0	97.1	85	115	0	0		
Surr: 1,4-Difluorobenzene	107.4	0	110	0	97.6	82	112	0	0		
Surr: 4-Bromochlorobenzene	122.3	0	110	0	111	95	124	0	0		
Surr: Fluorobenzene	109.1	0	110	0	99.2	84	114	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

iina ba, Ltd.

Date: 08-Oct-02

CLIENT: On Site Technologies Limited

Work Order: 0209019

Project: 2-1362; Shepard & Kelsey 1

Test No: SW8021B

Matrix: W

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	14FBZ	4BCBZ	FLBZ					
0209018-03AMS	92.9	111	94.3					
0209018-03AMSD	93.7	112	94.5					
0209019-01A	95.5	110	98.5					
0209019-02A	98.2	113	101					
0209019-03A	95.7	112	98.4					
CCV1_020925	97.7	110	99.1					
CCV2_020925	96.3	114	98.1					
CCV3_020925	97.6	111	99.2					
LCS_020925	97.6	112	98.3					
MB_020923	97.8	107	100					

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	82-112
4BCBZ	= 4-Bromochlorobenzene	95-124
FLBZ	= Fluorobenzene	84-114

* Surrogate recovery outside acceptance limits

