SITE INVESTIGATION

Exxon Service Station #3-2558
AKA Branchburg Exxon

936 Route 202
Branchburg Township
Somerset County, New Jersey
EPA ID No.: NJD986607752

Volume III of III

New Jersey Department of Environmental Protection
Site Remediation and Waste Management Program
Division of Remediation Support
Bureau of Environmental Measurements and Site Assessment

September 2005

USEPA COPY

205581

ATTACHMENT YY

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34188
DAS No:
R

Region:	2	Date Shipped:	5/11/2005	**Chain of Custody Record**	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	840835653447	1 [illegible] 5/11/05	[illegible] 5/11/05
CERCLIS ID:	NJD986607752	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:	zz			3	
Site Name/State:	Exxon Service Station #32558/NJ			4	
Project Leader:	Nick Sodano				
Action:	Screening Site Investigation				
Sampling Co:	NJDEP				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
B22Y1	Monitor Well/ Nick Sodano	M/G	VOA (21)	(HCL) (3)	DUPMW	S: 5/10/2005 1:01		Field Duplicate
B22Y2	Monitor Well/ Nick Sodano	M/G	VOA (21)	(HCL) (9)	MW3D35	S: 5/10/2005 14:50		--
B22Y3	Monitor Well/ Nick Sodano	M/G	VOA (21)	(HCL) (3)	MW3D50	S: 5/10/2005 14:58		--
B22Y4	Monitor Well/ Nick Sodano	M/G	VOA (21)	(HCL) (3)	MW3D62	S: 5/10/2005 15:05		--
B22Y5	Monitor Well/ Nick Sodano	M/G	VOA (21)	(HCL) (3)	MW3D75	S: 5/10/2005 15:10		--
B22Y6	Monitor Well/ Nick Sodano	M/G	VOA (21)	(HCL) (3)	MW3D105	S: 5/10/2005 15:18		--
B22Y7	Field QC/ Nick Sodano	L/G	VOA (21)	(HCL) (3)	TB	S: 5/10/2005 1:02		Trip Blank

525

Shipment for Case Complete? Y Y	Sample(s) to be used for laboratory QC: B22Y2	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-261120683-051105-0001

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

RECORD OF COMMUNICATION

TO: Frank Sorce and Nick Sodano

FROM: Adly Michael

SUBJECT: QUALITY ASSURED DATA

MESSAGE:

PLEASE SIGN BELOW IN ACKNOWLEDGEMENT OF RECEIPT OF THE FOLLOWING AND RETURN ONE COPYOF THIS RECORD OF COMMUNICATION TO THE RSCC-REGION II.

Exxon Service Station #32558, CLP case # 34188, SDG# B22Y1, 7 water samples analyzed for TCL-VOA.

REPLY BY: 6/17/2005

Please acknowledge receipt of validated data and return the form, by mail or Fax at **732-321-6622**.

Comments:

SIGNATURE: [signature] DATE: 6/22/05

DATE RECEIVED BY EPA-RSCC:

RECORD OF COMMUNICATION

REGIONAL SAMPLE CONTROL CENTER

DATE: 6/2/2005
SUBJECT: CLP Data Package for Quality Assurance Review
FROM: Hazardous Waste Support Section
TO: ESAT/RSCC

Attached is the following ORGANIC Data Package to be reviewed for Quality Assurance

SITE: Exxon Service Station #32558 CASE #: 34188

SDG#: B22Y1 SAMPLER: NJDEP

PROJ. CODE: SI SITE SPILL #: ZZ #SAMPLES MATRIX

LAB: LIBRTY OPERABLE UNIT: ØØ 7 Water

TURN-AROUND-TIME: 21 day

CERCLIS ID #: NJD986607752 FRACTION: TCL-VOA

Contaminant(s) of Concern (If known)

REGION II RSCC DATA TRANSFER LOG

Relinquished By		Received By	
Signature	Date/Time	Signature	Date/Time
Hanif Sheikh	6/6/05	D Rosenberg	6/6/05
D Rosenberg	6/8/05	Hanif Sheikh	6/8/05
Hanif Sheikh	6/8/05	Robert [illegible]	6/8/05

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
DUPLICATE OF MW3D35
B22Y1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658001

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658001B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW3D35-DUP

B22Y1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658001

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658001B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW03D35-DUP
B22Y1

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658001

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658001B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.67	~~8~~	~~J~~ R
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW3D35
B22Y2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658002

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658002B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	4	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	~~1~~ 10	~~J~~ U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	1	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	2	J
		10	U

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
~~MW3D35~~
B22Y2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658002

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658002B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
79-01-6	Trichloroethene	2	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10 ~~2~~	~~JB~~ U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	3	J
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM I VOA-2 OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW3D35
B22Y2

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658002

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658002B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW3D50
B22Y3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658003

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658003B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW3D 50
B22Y3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658003

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658003B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM I VOA-2 OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW3D50
B22Y3

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658003

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658003B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW3D6R
B22Y4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658004

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658004B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10 ~~7~~ ~~JB~~	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~ ~~J~~	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
~~MW03D62~~
B22Y4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658004

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658004B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	170	~~B~~
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM I VOA-2 OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
~~MW03D62~~
B22Y4

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658004

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658004B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.30	8	J
2.	UNKNOWN	7.67	~~25~~	J R
3.				
4.				
5.				
6.				
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
~~MW03D75~~
B22Y5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658005

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658005B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW3D75
B22Y5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658005

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658005B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM I VOA-2 OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW3D75
B22Y5

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658005

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658005B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
~~MW3D105~~
B22Y6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658006

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658006B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	12	~~B~~ U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10 ~~1~~	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	4	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW3D105
B22Y6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658006

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658006B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	58	~~B~~
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM I VOA-2 OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW3D105
B22Y6

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658006

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658006B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.67	~~8~~ J	
2.				
3.				
4.				
5.				
6.				
7.				
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FORM I VOA-TIC OLM04.2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B22Y7 TB

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658007

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658007B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	3	JB
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	1	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

FORM I VOA-1 OLM04.2

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B22Y7 TB

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658007

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658007B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM I VOA-2 OLM04.2

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B22Y7 TB

Lab Name: COMPUCHEM Contract: 68W03021

Lab Code: LIBRTY Case No.: 34188 SAS No.: SDG No.: B22Y1

Matrix: (soil/water) WATER Lab Sample ID: 658007

Sample wt/vol: 5 (g/mL) ML Lab File ID: 658007B90

Level: (low/med) LOW Date Received: 05/13/05

% Moisture: not dec. _____ Date Analyzed: 05/20/05

GC Column: EQUITY624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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6.				
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FORM I VOA-TIC OLM04.2

CASE # 34188
LAB: LIBRTY

SDG # B22Y1
SITE: Exxon Service Station

DATA ASSESSMENT

Functional Guidelines for Evaluating Organic Analysis

CASE # 34188
LAB: LIBRTY

SDG # B22Y1
SITE: Exxon Service Station

The current Functional Guidelines for evaluating organic data have been applied.

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detects), "R" (unusable), or "JN" (presumptive evidence for the presence of the material at an estimated value). All action is detailed on the attached sheets.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Analytical data qualified as "JN" or "R" may not be used to demonstrate compliance with Toxicity Characteristic or Land Ban Regulations.

Reviewer's Signature: David Rosenberg — Date: ~~05/24/2005~~ 06/07/2005

Verified By: Hanif Sheikh — Date: 06/08/2005

DATA ASSESSMENT

1. HOLDING TIMES:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following analytes in the samples shown were qualified because of holding time:

TCL Data

VOA - The following data were qualified as estimated "J" or rejected "R" due to exceeding holding time criteria:

Qualification: Holding Time **Protocol: VOA**

No defects found.

Note: If properly preserved, aqueous samples maintained at 4°C must be analyzed within fourteen (14) days of collection. If unpreserved, aqueous samples must be analyzed within seven (7) days for aromatic hydrocarbons. Soil/Solid samples must be analyzed within ten (10) days of collection.

2. BLANK CONTAMINATION:

Quality Assurance (QA) blanks [i.e., method, trip, field or rinse blanks] are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the samples shown were qualified with "U" for these reasons:

A) Method Blank Contamination

VOA - The following compounds were qualified as non-detected "U" in the associated samples due to method blank contamination:

Qualification: Laboratory Blanks **Protocol: VOA**

DC-6 The following volatile samples have analyte concentrations reported above the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Hits are qualified "U" and non-detects are not flagged.

Acetone
B22Y6

DC-12 The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to five times (5X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Toluene
B22Y2

DC-13 The following volatile samples have analyte concentrations reported below the CRQL and less than or equal to ten times (10X) the associated method blank concentration. Reported sample concentrations have been elevated to the CRQL. Hits are qualified "U" and non-detects are not flagged.

Acetone
B22Y4

2. BLANK CONTAMINATION (continued):

B) Field or Rinse Blank Contamination (Awater blanks@ or Adistilled water blanks@ are validated like any other sample)

VOA - The following compounds were qualified as non-detected "U" in the associated samples due to rinse blank contamination:

DC-19 The following volatile samples are associated with a contaminated storage blank. Hits are qualified "U" and non-detects are not flagged.

Methylene Chloride
B22Y1, B22Y2, B22Y2MS, B22Y3, B22Y4, B22Y5, B22Y6

C) Trip Blank Contamination

VOA - The following compounds were qualified as non-detected "U" in the associated samples due to trip blank contamination:

Compound	Associated Samples

No problems were found

D) TIC Blank Contamination

VOA - The following TIC common laboratory contaminants were rejected "R" in the associated samples because the levels detected are either < 100 ug/L for aqueous samples or < 4000 ug/Kg for soil/sediment samples:

TIC	Associated Samples
RT = 7.67	**B22Y1, B22Y4, B22Y6**

VOA - The following TIC contaminants were rejected "R" in the indicated samples because these compounds are target TCL compounds also present in the associated volatile or semi-volatile fraction analyses:

TIC	Samples
no problems found	

Note: TIC compounds associated with a Abest match@ spectra and CAS number were qualified as presumptive evidence of a compound at an estimated value "JN" by the data reviewer. TICs not associated with a CAS number were qualified as estimated "J" by the data reviewer in the sample data.

3. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB) and for semi-volatiles is decafluorotriphenyl-phosphine (DFTPP).

If the mass calibration is in error or missing, all associated data will be classified as unusable "R". The following samples shown were qualified with "R" because of tuning:

Qualification: IPC/Tune **Protocol: VOA**

No defects found.

4. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance.

Response Factor:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the VOA/BNA Target Compound List (TCL) must be ≥ 0.05 in both the initial and continuing calibrations. A value ≤ 0.05 indicates a serious detection and quantitation problem (poor sensitivity). If the mean RRF of the initial calibration or the continuing calibration has a response factor <0.05 for any analyte, those analytes detected in environmental samples will be qualified as estimated "J". All non-detects for those compounds will be rejected "R". The following analytes in the samples shown were qualified because of response factor:

Initial Calibration

VOA - The following compounds were either qualified as estimated "J" (positive values only) or rejected "R" (non-detected "U" values only) in the associated samples because the Initial Calibration Mean RRF value is < 0.05:

no problems found

Continuing Calibration

VOA - The following compounds were either qualified as estimated J" (positive values only) or rejected R" (non-detected values only) in the associated samples because the Continuing Calibration RRF50 is < 0.05:

no problems found

PERCENT RELATIVE STANDARD DEVIATION (%RSD) AND PERCENT DIFFERENCE (%D):

DATA ASSESSMENT

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and % D must be < 25%. A value outside of these QC limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J"; and non-detects are flagged AUJ@. If % RSD and/or %D grossly exceed QC criteria, non-detect data may be qualified "R".

The following analytes in the samples shown were qualified for % RSD and % D:

Initial Calibration

VOA - Positive values of the following compounds were qualified as estimated "J" in the associated samples because the Initial Calibration %RSD is between 30-90% when the mean RRF is > 0.05:

Qualification: Calibrations Protocol: VOA

DC-6 The following volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside primary criteria. Hits are qualified "J" and non-detects are not flagged.

Acetone

B22Y1, B22Y2, B22Y2MS, B22Y2MSD, B22Y3, B22Y4, B22Y5, B22Y6, B22Y7, VBLKCV, VHBLKYH

Continuing Calibration:

VOA - The following compounds were qualified as estimated "J" because the Continuing Calibration %D is between 25-90% when the RRF50 is > 0.05:

no problems found

6. SURROGATES/SYSTEM MONITORING COMPOUNDS (SMC):

All samples are spiked with surrogate/SMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate/SMC concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below. The following analytes for the samples shown were qualified because of surrogate/SMC recovery:

Qualification: SMC

Protocol: VOA

No defects found.

7. INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to 100%) from the associated continuing calibration standard. If the area count is outside the -50% to 100% range of the associated standard, then all of the positive results for compounds quantitated using that IS are qualified as estimated "J", and all non-detects as AUJ@. If the IS area is > 25% (a severe loss of sensitivity) then all non-detects associated with that IS are qualified as "R" and all positive results for compounds quantitated using that IS are qualified as estimated "J".

The retention time of the internal standard must not vary more than ± 30 seconds from the associated continuing calibration standard. If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgement to determine either partial or total rejection of the data for that sample fraction. The following analytes in the samples shown were qualified because of internal standard performance:

VOA: The following compounds were either qualified as estimated "J" or rejected "R" in the associated samples due to exceeding Internal Standard (IS) QC criteria (within -50% to +100% of the Continuing Calibration 12-hour standard):

Qualification: Internal Standards

Protocol: VOA

No defects found.

[1] Positive values only were qualified as estimated "J" in the indicated samples.

Note: The laboratory indicated in the case narrative that samples exhibited internal standard areas outside QC criteria due to a matrix effect confirmed by repeat analysis.

8. COMPOUND IDENTIFICATION:

A) VOLATILE:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For a result to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the Tentatively Identified Compounds (TICs), the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. The following analytes in the samples shown were qualified for compound identification:

The following compounds were qualified as estimated "J" in the indicated samples because they could not be chromatographically resolved:

Fraction	Compounds	Samples

No problems were found

9. MATRIX SPIKE/SPIKE DUPLICATE (MS/MSD):

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for some additional qualification of the data. The following analytes, for the samples shown, were qualified because of MS/MSD:

VOA - The following sample data were either qualified as estimated "J" or rejected "R" due to exceeding duplicate spike recovery QC criteria:

Qualification: Matrix Spikes **Protocol: VOA**

No defects found.

10. OTHER QC DATA OUT OF SPECIFICATION:

VOA - The following compounds were qualified as estimated "J" in the associated aqueous and/or soil/sediment field duplicate samples because the Relative Percent Difference (RPD) between the sample and field duplicate sample is > 50% for aqueous samples, or > 100% for soil/sediment samples:

The following soil/sediment/solid sample data (other than TCLP data) were either qualified as estimated "J" (% moisture between 50-90%) or rejected "R" (%moisture > 90%) because the sample contains more than 90% water:

Qualification: Percent Moisture **Protocol: VOA**

No defects found.

[1] Positive values only were qualified as estimated "J" in the indicated samples.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT:

Due to professional judgement, the following compounds were not transferred from the indicated dilution sample analyses to the undiluted sample analyses because the reported values of these compounds are either diluted out in the associated dilution sample analyses or are qualified as non-detected "U" due to blank contamination QC criteria:

Fraction	Compound	Dilution Sample(s)	Dilution Factor

No problems were found

12. CONTRACT PROBLEMS/NON-COMPLIANCE:

No problems were found

CASE # 34188
LAB: LIBRTY

SDG # B22Y1
SITE: Exxon Service Station 10 OF 10

DATA ASSESSMENT

34188 EXXON SERVICE STATION YES NO N/A
B2291

PART A: VOA ANALYSES

1.0 Sample Conditions/Problems

1.1 Do the Traffic Reports/Chain-of-Custody Records, Sampling Report or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data? ___ [✓] ___

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50% - 90% water, all data **shall** be flagged as estimated (J). If a soil sample other than TCLP contains more than 90% water, then **qualify positive results "J", and non-detects "R".**

ACTION: If samples were not iced or the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (> 10° C), then flag all positive results with a "J" and all non-detects "UJ".

ACTION: If both VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: The smallest soil size permitted is 0.5g. If any soil sample is smaller than 0.5g, document in the Data Assessment under Contract Problems/Non-Compliance.

2.0 Holding Times

2.1 Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded? ___ [✓] ___

Technical Holding Times for AQUEOUS AND SOIL NON-ENCORE SAMPLES: If unpreserved, aqueous samples, maintained at 4° C for aromatic hydrocarbons analysis must be analyzed within 7 days of collection. If

YES NO N/A

preserved with HCl (pH < 2) and stored at 4° C, then aqueous samples must be analyzed within 14 days of collection. If uncertain about preservation, contact sampler to determine whether or not samples were preserved. The holding time for non-Encore soils is 10 days from date of collection.

ACTION: If technical holding times **for aqueous samples and soil non-Encore samples** are exceeded, flag all positive results as estimated "J" and sample quantitation limits as estimated "UJ", and document in the Data Assessment that holding times were exceeded. If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re-analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results must be qualified "J", but the reviewer may determine that non-detect data are unusable "R". If holding times are exceeded by more than 28 days, all non detect data are unusable "R".

NOTE: Contractual Holding Times: Analysis of water samples must be completed within 10 days of Validated Time of Sample Receipt (VTSR). This requirement does not apply to Performance Evaluation (PE) samples.

Technical Holding Times for soils Encore samples:

i) If sample was preserved ≤ 2 days of VTSR:

1. **and analyzed ≤ 14 days from DoC, NO action needed.**
2. **and analyzed > 14 days from DoC, qualify positive results "J" and non-detects "UJ".**
3. **and analyzed > 28 days from DoC, qualify positive results "J" and non-detects "R".**

ii) If sample was NOT preserved, or preserved > 2 days of VTSR

1. **and analyzed ≤ 7 days from DoC, No action needed.**
2. **and analyzed > 7 days from DoC, qualify AROMATIC analytes**

YES NO N/A

only, both positive and non-detects, as estimated "J".

3. and analyzed > 10 days from DoC, qualify ALL positive analytes "J" and ALL non-detects as "UJ".
4. and analyzed ≥ 20 days from DoC, qualify positive results "J" and non-detects "R".

Note: CONTRACT holding times for soil Encore samples are:

1. Samples must be preserved within two (2) days of VTSR and must be analyzed within ten (10) days of VTSR.

2. Samples NOT preserved within two (2) days of VTSR must be analyzed within two (2) days of VTSR.

ACTION: If contractual holding times are exceeded, document in the Data Assessment.

NOTE: The data reviewer must note in the Data Assessment whether or not technical and contractual holding times were met.

Table of Holding Time Violations

(See Chain-of-Custody Records)

ample	Sample Matrix	Was Sample Preserved?	Date Sampled	Date Lab Received	Date Analyzed

	YES	NO	N/A
3.0 System Monitoring Compound (SMC) Recovery (Form II)			
3.1 Are the VOA SMC Recovery Summaries (Form II) present for each of the following matrices:			
a. Low Water?	[✓]	___	___
b. Low Soil?	[ ]	✓	___
c. Med Soil?	[ ]	✓	___
3.2 Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
a. Low Water?	[✓]	___	___
b. Low Soil?	[ ]	✓	___
c. Med Soil?	[ ]	✓	___

ACTION: Contact the TOPO to obtain an explanation or resubmittal of any missing deliverables from the laboratory. If missing deliverables are unavailable, document the effect in the Data Assessment.

3.3 Were outliers marked correctly with an asterisk?	[✓]	___	___

ACTION: Circle all outliers with red pencil.

3.4 Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?	___	[✓]	___
If yes, were samples re-analyzed?	[ ]	___	___
Were method blanks re-analyzed?	[ ]	___	___

ACTION: If recoveries are ≥ 10%, but 1 or more compounds fail to meet SOW specifications:

YES NO N/A

1. All positive results are qualified as estimated "J".

2. Flag all non-detects as estimated detection limits "UJ" where recovery is less than the lower acceptance limit.

3. If SMC recoveries are above allowable levels, **qualify positive results "J" and** do not qualify non-detects.

ACTION: If any system monitoring compound recovery is < 10%:

1. Flag all positive results as estimated "J".

2. Flag all non-detects as unusable "R".

Professional judgement should be used to qualify data that only have method blank SMC recoveries out of specification in both original and re-analyses. Check the internal standard areas.

NOTE: Contractual requirements state that if any SMC fails the acceptance criteria, the sample must be re-analyzed. If the affected sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

NOTE: The laboratory must submit the following data:

1. If SMC recoveries and internal standard responses meet the acceptance criteria in the re-analyzed sample, then the laboratory must submit only the re-analysis.

2. If an SMC recovery and/or internal standard response fails to meet the acceptance criteria upon re-analysis, then submit data from both analyses.

(Refer to section 11.4.3.2, page D-45/VOA of the

	YES	NO	N/A
SOW for more information.)			
3.5 Are there any transcription/calculation errors between raw data and Form II?	___	[ ]	___

ACTION: If large errors exist, contact the **TOPO** to obtain an explanation or resubmittal of corrected deliverables from the laboratory. Make any necessary corrections and note the effect in the Data Assessment.

4.0 Matrix Spikes (Form III)

	YES	NO	N/A
4.1 Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	[✓]	___	___
4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:			
a. Low Water?	[✓]	___	___
b. Low Soil?	[ ]	✓	___
c. Med Soil?	[ ]	✓	___

ACTION: If any matrix spike data are missing, take the action specified in section 3.2 above.

ACTION: No action is taken based upon MS/MSD data alone. However, using informed professional judgement, the MS/MSD results may be used in conjunction with other QC criteria to determine the need for qualification of the data.

ACTION: Circle all outliers with red pencil.

5.0 Blanks (Form IV)

	YES	NO	N/A
5.1 Is the Method Blank Summary (Form IV) present?	[✓]	___	___
5.2 Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed **during every 12-hour time period on each**			

		YES	NO	N/A
	GC/MS system, before any samples, and for each matrix? (water, low soil or medium soil)	[✓]		
5.3	Has a VOA method blank been analyzed at least once every twelve hours for each **matrix/concentration** and GC/MS system used?	[✓]		
5.4	Was a VOA instrument blank analyzed after each sample/dilution which contained a target compound that exceeded the initial calibration range?	[ ]		✓
5.5	Was a VOA storage blank analyzed at the end of all samples for each SDG in a case?	[✓]		

ACTION: If any method/instrument blank data are missing, contact the **TOPO** to obtain any missing deliverables from the laboratory. If method blank data are not available, reject "R" all associated positive data. However, using professional judgement, the data reviewer may substitute field blank or trip blank data for missing method blank data.

If the instrument blank was not analyzed **after a sample with high concentration of reported values**, inspect the chromatogram of the sample analyzed immediately after this analysis for possible carryover. Use professional judgement to determine if any contamination occurred and qualify analyte(s) accordingly.

If storage blank data is missing, contact the **TOPO** to obtain any missing deliverables from the laboratory. If unavailable, note in the Contract Problems/Non-Compliance section of the Data Assessment.

Note: A storage blank shall be analyzed and reported as a water sample unless the SDG contains only soil samples. Then, the storage blank may be analyzed and reported as a soil sample. (p. D-49/VOA sec. 12.1.3.5)

	YES	NO	N/A
5.6 The validator should verify that the correct identification scheme for the EPA Blank samples were used. See page B-30, section 3.3.7.3 of the SOW for further information. Was the correct identification scheme used for all VOA blanks?	[✓]	___	___

ACTION: Contact the **TOPO** to obtain missing deliverables from the lab, or make the required corrections on the forms. Document in the Data Assessment under Contract Problems/Non-compliance if corrections were made by the validator.

5.7 Chromatography: review the blank raw data-chromatograms (RICs), quant. reports or data system printouts and spectra. Is the chromatographic performance (baseline stability) for each instrument acceptable for VOA's?	[✓]	___	___

ACTION: Use professional judgement to determine the effect on the data.

5.8 Are all detected hits for target compounds in method, instrument and storage blanks less than the CRQL for that analyte?	[✓]	___	___

Exception: Acetone and 2-butanone must be less than 5 times the CRQL, and methylene chloride **and Cyclohexane** must be less than 2.5 times its CRQL. **(p. D-50/VOA sec. 12.1.4.6)**

ACTION: If no, an explanation and laboratory's corrective actions must be addressed in the case narrative. If the narrative contains no explanation, then make a note in the Contract Problems/Non-Compliance section of the Data Assessment.

5.0 Contamination

NOTE: "Water blanks", "drill blanks", and "distilled water blanks" are validated like any other sample, and are not used to qualify data. Do not

YES NO N/A

confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent/storage blanks have positive results (TCL and/or TIC) for VOA's? ✓ [ ] ___

NOTE: When applied as directed in the table below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for %moisture when necessary.

✓BLK CV
Ac 4J
TOL 2J

NOTE: A contaminated instrument blank is not allowable under this SOW. **The instrument blank must meet the technical acceptance criteria for blank analyses(sec. 12.1.4).** See page D-48/VOA, section 12.1.2.4 for additional information. Document in the Data Assessment under Contract Problems/Non-Compliance if contaminated instrument blank was submitted.

✓BH
Mc - 1J

B2247

6.2 Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)? ✓ [ ] ___

AC 3J
Mc 1J

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated with a particular group of samples (may exceed one per case) must be used to qualify data. Trip blanks are used to qualify only those samples with which they were shipped and are not required for non-aqueous matrices. Blanks may not be qualified because of contamination in another blank. Field Blanks & Trip Blanks must be qualified for system monitoring compound, instrument performance criteria, spectral or calibration, **and Internal standard** QC problems.

ACTION: Follow the directions in the table below to qualify TCL results due to contamination. Use the largest value from all the associated blanks. If any blanks are grossly contaminated, all associated data should be

YES NO N/A

qualified as unusable "R".

NOTE: Analytes qualified "U" for blank contamination are till considered as "hits" when qualifying for calibration criteria.

ACTION: For TIC compounds, if the concentration in the sample is less than five times the concentration in the most contaminated associated blank, flag the sample data "R".

For:	Flag sample result with a "U" when:	Report CRQL & qualify "U" when:	No qualification is needed when:
TCL COMPOUNDS			
Methylene Chloride Acetone Toluene 2-Butanone Cyclohexane	Sample conc. is > CRQL, but ≤ 10x blank value.	Sample conc. is < CRQL and ≤ 10x blank value.	Sample conc. is > CRQL and > 10x blank value.
Other Contaminants	Sample conc. is > CRQL, but ≤ 5x blank value.	Sample conc. is < CRQL and ≤ 5x blank value.	Sample conc. is > CRQL and > 5x blank value.

6.3 Are there field/rinse/equipment blanks associated with every sample? [✓] ___ ___

ACTION: For low level samples, note in the Data Assessment that there is no associated field/rinse/equipment blank. For samples with high concentrations of suspected blank contaminants, use professional judgement to qualify these values and make a note in the Data Assessment.

Exception: samples taken from a drinking water tap do not have associated field blanks.

.0 GC/MS Instrument Performance Check (Form V)

	YES	NO	N/A
7.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?	[✓]	___	___
7.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?	[✓]	___	___
7.3 Is the mass spectrum of BFB acquired according to sec. 9.2.4.1 D-23/VOA?	[✓]	___	___

Note: Sec. 9.2.4.1 states that "the mass spectrum of BFB MUST be acquired in the following manner. Three scans (the peak apex scan and the scans immediately preceding and following the apex) are acquired and averaged. Background subtraction is required, and MUST be accomplished using a single scan no more than 20 scans prior to the elution of BFB. DO NOT background subtract part of the BFB peak." See Attachment 2 for BFB criteria.

Action: If not, reject "R" all samples associated with that particular BFB.

7.4 Has an instrument performance check been analyzed for every analytical sequence on each instrument?	[✓]	___	___

ACTION: List date, time, instrument ID, and sample numbers for which associated GC/MS tuning data are unavailable.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
_____	_____	_____	_____
_____	_____	_____	_____

ACTION: Notify the TOPO to obtain missing data, if possible. If the lab cannot provide the missing data, reject, "R", all data generated outside an acceptable twelve hour calibration interval.

	YES	NO	N/A
7.5 Have the ion abundances been normalized to m/z 95 as specified in Exhibit D, page D-56/VOA?	[✓]	___	___

NOTE: All ion abundance ratios must be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95.

ACTION: If mass assignment is in error, qualify all associated data as unusable "R".

7.6 Have the ion abundance criteria been met for each instrument used?	[✓]	___	___

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, the Region II TPO must be notified.

7.7 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values, but if errors are found check more.)	___	[✓]	___
7.8 Is the number of significant figures for the reported relative abundances consistent with the number given for each ion in the ion abundance criteria column?	[✓]	___	___

ACTION: If large errors exist, take action as specified in section 3.5 above.

7.9 Are the spectra of the mass calibration compound acceptable?	[✓]	___	___

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

8.0 Target Compound List (TCL) Analytes (FORM I VOA)

8.1 Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:

	YES	NO	N/A
a. Samples and/or fractions as appropriate?	[✓]	___	___
b. Matrix spikes and matrix spike duplicates?	[✓]	___	___
c. Blanks?	[✓]	___	___
8.2 Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (quant. reports) included in the sample package for each of the following:			
a. Samples and/or fractions as appropriate?	[✓]	___	___
b. Matrix spikes and matrix spike duplicates (mass spectra not required)?	[✓]	___	___
c. Blanks?	[✓]	___	___

ACTION: If any data are missing, take action specified in 3.2 above.

8.3 Is chromatographic performance acceptable with respect to:			
a. Baseline stability?	[✓]	___	___
b. Resolution?	[✓]	___	___
c. Peak shape?	[✓]	___	___
d. Full-scale graph (attenuation)?	[✓]	___	___
e. Other: _____?	[ ]	___	___

ACTION: Use professional judgement to determine the acceptability of the data.

8.4 Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample?	[ ]	___	___

ACTION: If any mass spectra are missing, take action as specified in 3.2 above. If the lab does not

	YES	NO	N/A
generate its own standard spectra, document in the Contract Problems/Non-compliance section of the Data Assessment.			
8.5 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	[✓]	___	___
8.6 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	[✓]	___	___
8.7 Do sample and standard relative ion intensities agree within ±20%?	[✓]	___	___

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected "R", flagged "N" (presumptive evidence of the presence of the compound) or changed to not detected "U" at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 8.5, 8.6, and 8.7.

ACTION: When sample carry-over is suspected, use professional judgement determine if instrument cross-contamination has affected positive compound identifications.

9.0 Tentatively Identified Compounds (TIC)

	YES	NO	N/A
9.1 Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TIC's include scan number or retention time, estimated concentration and "JN" qualifier?	[✓]	___	___
9.2 Are the mass spectra for the TIC's and associated "best match" spectra included in the sample package for each of the following:			
a. Samples and/or fractions as appropriate?	[✓]	___	___
b. Blanks?	[✓]	___	___

	YES	NO	N/A
c. Are Alkanes listed in/or part of the Case Narrative?	[✓]		

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier to all chemically named TIC's, if missing.

9.3 Are any TCL compounds (from any fraction **including all PCB congeners**) listed as TIC compounds? (Example: 1,2- dimethylbenzene is xylene, a VOA TCL analyte, and should not be reported as a TIC.)		[✓]	

ACTION: Flag with "R" any TCL compound listed as a TIC.

9.4 Are any TIC's reported earlier than 30 sec before the first purgeable compound, or three (3) min. after the last purgeable compound listed in Exhibit C (Volatiles)?		[✓]	

ACTION: Flag with "R" any TIC compound reported. (p. D38-VOA, sec. 11.1.2.2)

9.5 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	[✓]		
9.6 Do TIC and "best match" standard relative ion intensities agree within ±20%?	[✓]		

ACTION: Use professional judgement to determine the acceptability of TIC identifications. If it is determined an incorrect identification was made, change the identification to "unknown," or to some less specific identification as appropriate. (Example: "C3 substituted benzene.")

Also, when a compound is not found in any blank, but is detected in a sample and is a suspected artifact of a common laboratory contaminant, the result should be qualified as

	YES	NO	N/A
unusable "R". (E.g., Common Lab Contaminants: CO_2 (M/E 44), Siloxanes (M/E 73) hexane, aldol condensation products, solvent preservatives, and related by-products.			
9.7 Are TIC's with responses < 10% of the internal standard (as determined by inspection of the peak areas or height) reported?		[✓]	

ACTION: If yes, cross out questionable TIC's.

10.0 Compound Quantitation and Reported Detection Limits

10.1 Are there any transcription/calculation errors in Form I results? (Check at least two positive values. Verify that the correct internal standards, quantitation ions, and RRF were used to calculate Form I results.)			
10.2 Are the CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?		[✓]	
ACTION: If errors are large, take action as specified in section 3.2 above.	[✓]		

ACTION: When a sample is analyzed at more than one dilution, the lowest CRQL's are used (unless a QC exceedance dictates the use of the higher CRQL data from the diluted sample). Replace concentrations that exceeded the calibration range in the original analysis by crossing out the "E" and its corresponding value on the original Form I and substituting the data from the diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form Is not to be used, including any in the data summary package.

11.0 Standards Data (GC/MS)

11.1 Are the Reconstructed Ion Chromatograms, and data system printouts (quant. reports) present for each initial and continuing calibration?	[✓]		

	YES	NO	N/A

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

12.0 GC/MS Initial Calibration (Form VI)

12.1 Are the Initial Calibration Forms (Form VI) present and complete at concentrations of 10, 20, 50, 100, 200ng for separate calibrations of low water/med soils (unheated purge) and low soils (heated purge)? [✓] ___ ___

ACTION: If any calibration standard forms are missing, take action specified in 3.2 above.

12.2 Were all low level soil standards, blanks and samples analyzed by heated purge? [ ] ___ ✓

ACTION: If low level soil samples were not heated during purge, qualify positive hits "J" (estimated) and non-detects "R".

12.3 Are the % relative standard deviation (%RSD) values for VOA's ≤ 30% over the concentration range of the calibration? [ ] ✓ ___

NOTE: Although 27 VOA compounds and 1SMC have a contractual minimum RRF and no maximum %RSD, the technical acceptance criteria are the same for all analytes.

ACTION: Circle all outliers with red pencil.

ACTION: If %RSD is > 30.0%, qualify associated positive results for that analyte "J" (estimated). **Do not qualify non-detects.** When %RSD is > 90%, flag all non-detects for that analyte "R" (unusable) and positive hits "J". Acetone

NOTE: Analytes previously qualified "U" for blank contamination are still considered as "hits" when qualifying for initial calibration criteria.

12.4 Are any average RRFs < 0.05? ___ [✓] ___

YES NO N/A

ACTION: Circle all outliers with red pencil.

ACTION: If the average RRF is < 0.05, then qualify associated non-detects with an "R" and flag associated positive data as estimated "J".

NOTE: Contract Requirement: The SOW allows up to two of the required analytes to fail contractual %RSD or RRF criteria, provided the %RSD is ≤ 40% and RRF is ≥ 0.010. (See Table 5, page D-61/VOA and analytes marked with a "*" on Form VI for required analytes and contractual criteria.) Technical criteria, however, are the same for all analytes.

ACTION: If more than two analytes failed %RSD or RRF criteria, document in the Data Assessment under Contract Problems/Non-Compliance.

12.5 Are there any transcription/calculation errors in the reporting of average relative response factors (RRF) or %RSD? (Check at least 2 values, but if errors are found, check more.) ___ [✓] ___

ACTION: Circle errors with red pencil.

ACTION: If errors are large, contact the TOPO to obtain an explanation/resubmittal from the lab, document in the Data Assessment under Contract Problems/Non-Compliance.

.0 GC/MS Continuing Calibration (Form VII)

13.1 Are the Continuing Calibration Forms (Form VII) present and complete for separate calibration of low water/med soil and low soil samples? [✓] ___ ___

13.2 Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument? [✓] ___ ___

ACTION: If any forms are missing or no continuing calibration standard has been analyzed within twelve hours of every sample analysis, contact

YES NO N/A

the **TOPO** to request an explanation/resubmittal from the lab. If continuing calibration data are not available, flag all associated sample data as unusable "R".

ACTION: List below all sample(s) that were not analyzed within twelve hours of the previous continuing calibration.

_____

_____

_____

13.3 Do any volatile compounds have a percent difference (%D) between the initial and continuing RRF which exceeds the ±25% criteria? ___ [✓] ___

NOTE: Although 23 VOA compounds have a contractual minimum RRF and no maximum %D, the technical acceptance criteria are the same for all analytes.

ACTION: Circle all outliers with red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated. When %D is > 90%, qualify all non-detects for that analyte unusable (R) and positive results estimated (J) .

13.4 Are any continuing calibration RRFs < 0.05? ___ [✓] ___

ACTION: Circle all outliers with red pencil.

ACTION: If the RRF is < 0.05, qualify the associated non-detects as unusable "R" and the associated positive values "J".

NOTE: Contract Requirement: The SOW allows up to two of the required analytes to fail contractual %D and RRF criteria, provided that the %D is ≤ 40% and the RRF is ≥ 0.010. (See Table 5 pg. **D-61**/VOA or

	YES	NO	N/A
analytes marked with a "*" on Form VI for required analytes.) Technical criteria, however, are the same for all analytes.			
ACTION: If more than two analytes failed %D and RRF, criteria document in the Data Assessment under contract Problems/Non-Compliance.			
13.5 Are there any transcription/calculation errors in the reporting of RRF or %D between initial and continuing RRFs? (Check at least two values, but if errors are found, check more.)	___	[/]	___
ACTION: Circle errors with red pencil.			
ACTION: If errors are large, contact the **TOPO** to obtain an explanation/resubmittal from the lab, document in the Data Assessment under Contract Problems/Non-Compliance.			
14.0 Internal Standard (Form VIII)			
14.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	[/]	___	___
If no, was the sample re-analyzed?	[ ]	___	___

ACTION: 1. Circle all outliers with red pencil.

2. List all the outliers below.

Sample #	Internal Std.	Area	Lower/Upper Limit
_____	_____	_____	_____/_____
_____	_____	_____	_____/_____
_____	_____	_____	_____/_____

(Attach additional sheets if necessary, or attach copies of Form VIIIs.)

YES NO N/A

ACTION: If any sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

ACTION: 1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.

2. Do not qualify non-detects when associated IS area counts are > 100%.

3. If the IS area in the sample is below the "lower limit," < 50%, qualify all analytes associated with that IS estimated, "J". If the area counts are extremely low, < 25% of the area in the 12 hour standard, or if performance exhibits a major abrupt drop- off, flag all associated non-detects as unusable, "R", and positive hits estimated, "J".

14.2 Are the retention times of the internal standards within 30 seconds of the associated calibration standard? [✓] ___ ___

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

NOTE: Contractual requirements state that if any internal standard fails the acceptance criteria, the sample must be re-analyzed. If the affected sample was not re-analyzed, document in the Data Assessment under Contract Problems/Non-Compliance.

.0 Field Duplicates

15.1 Were any field duplicates submitted for VOA analysis? [✓] ___ ___

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

YES NO N/A

ACTION: Any gross variation between duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

RECEIVED
JUN 0 1 2005
HAZ. WASTE SUPPORT SEC.

SDG NARRATIVE

SDG # B22Y1
CASE # 34188
PROTOCOL: 68W03021

SAMPLE IDENTIFICATIONS: B22Y1, B22Y2, B22Y3, B22Y4, B22Y5, B22Y6, B22Y7 and VHBLKYH.

The 8 water samples listed above were received intact, in sealed shipping containers, properly refrigerated at 3.2°C, on May 13, 2005. Proper documentation was received except for the information that is provided in the traffic reports. Samples were scheduled for the requested analyses of the volatile fraction. The samples were prepared and analyzed following the current EPA Contract Laboratory Program (CLP) Statement of Work (SOW), Document OLM04.3, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for SDG B22Y1, CASE 34188 are included in the sample data sections.

Analysis holding time requirements were met for all of the samples. pH values have been tabulated on the run log copies in the standards portion of the report. The system monitoring compounds (SMCs) met recovery criteria in the analyses of the samples. All of the internal standards met response and retention time criteria. There were Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in these samples. Tentatively Identified Compounds (TICs) were found in these samples.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. The associated method blanks met all quality control criteria. B22Y2 was used as the original to prepare the duplicate matrix spikes as requested. The associated duplicate matrix spikes met all advisory accuracy and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Kenneth Grzybowski
Analyst II
May 31, 2005

3

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JUN 0 1 2005
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CompuChem
a division of Liberty Analytical Corp.

Sample Delivery Group (SDG)
Cover Sheet

ORIGINAL

SDG Number B22Y1

Laboratory Name CompuChem

Laboratory Code LIBRTY

Contract No. 68W03021

Case No. 34188

Analysis Price

SDG Turnaround 21

EPA Sample Numbers in SDG (Listed in Numerical Order)

1)	B22Y1	7)	B22Y7	13)		19)	
2)	B22Y2	8)		14)		20)	
3)	B22Y3	9)		15)		21)	
4)	B22Y4	10)		16)		22)	
5)	B22Y5	11)		17)		23)	
6)	B22Y6	12)		18)		24)	

B22Y1
First Sample in SDG

B22Y7
Last Sample in SDG

05/13/05
First Sample Receipt Date

05/13/05
Last Sample Receipt Date

Note: There are a maximum of 20 **field** samples (excluding PE samples in an SDG. Attach TRs to this form in alphanumeric order (the order listed above on this form).

Signature Alice Evans

Date 05/13/05 11

Alice Evans

From: Benhoff, Michael [mbenhoff@fedcsc.com]
Sent: Monday, May 16, 2005 12:12 PM
To: Alice Evans (E-mail); Joan Purdie (E-mail)
Cc: Adly Michael (E-mail); Jennifer Feranda (E-mail)
Subject: Region 02 | Case 34188 | Lab LIBRTY | Issue Multiple | FINAL

Hi Alice:

Following are the resolutions to the issues below:

Missing temperature blank
Issue 1: The lab did not receive a temperature blank with the sample shipment, so they used an IR gun to record the sample temperature as 3.2 degrees Celcius.
Resolution 1: In accordance with previous direction from Region 2, if the temperature of the cooler is less than or equal to 10°C, the laboratory will note the issue, and the method used to determine the temperature, in the SDG Narrative and proceed with the analysis of the samples.

Non-sampler issues
Issue 2: Sample tags were not sent with the samples.
Resolution 2: In accordance with previous direction from Region 2, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples. Region 2 does not require sample tags.

thanks,
Mike

Michael Benhoff
Computer Sciences Corporation
CLP Coordinator for Regions 1, 2, and 3
michael.benhoff@dyncorp.com
Phone: (703) 818-4357; Fax: (703) 818-4602

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
From: Alice Evans [mailto:aevans@compuchemlabs.com]
Sent: Friday, May 13, 2005 1:07 PM
To: Mike Benhoff (E-mail)
Cc: Joan Purdie
Subject: Case 34188 Region 2

Mike,

We received 7 water samples today for Voa analysis.

Issue 1: There was not a temperature blank in the cooler so we used an IR gun to determine the temperature at 3.2 degrees/

Issue 2: Tags were not sent with the samples

Thanks,
Alice

Alice Evans
Project Manager
CompuChem/Liberty Analytical
aevans@compuchemlabs.com

ATTACHMENT ZZ

State of New Jersey

Richard J. Codey
Acting Governor

Department of Environmental Protection
Site Remediation and Waste Management Program
Division of Remediation Support
Bureau of Environmental Measurements and Site Assessment
PO Box 407
Trenton, New Jersey 08625-0407
(609) 584-4280

Bradley M. Campbell
Commissioner

MEMORANDUM

To: Exxon Service Station #32558 File

From: Nick Sodano, HSMS 1, Bureau of Environmental Measurements and Site Assessment

Re: May 10, 2005 FLUTe well sampling

I arrived at the Exxon Station in Branchburg at 0830 hours on 5/10/05 to collect split samples from the FLUTe well systems with GES (for Exxon). Sarah Kinsel and Laurie Whitesell arrived at 0915 hours. Brian Brittain arrived at 0950 hours. Unfortunately, Mr. Brittain did not have any experience with FLUTe nor did he have his labels ready, which delayed our start until 1130 hours. Apparently, Mr. Brittain was not given much in the way of preparatory time or instruction for this project.

Mr. Brittain had a manifold gas delivery system which I understand was constructed by the people at FLUTe. His instruction for purging indicated that he could deliver 57 psi of Nitrogen to this manifold and it would be sufficient to purge all ports simultaneously. We decided to purge Monitor Well 3D first. However, the instructions regarding Nitrogen purge pressure proved to be incorrect in this instance as the ports initially started to purge but quickly slowed to a dribble and then stopped purging entirely. It was my idea to purge the ports individually with the same pressure, and while this worked we soon found that the ports were not recharging fully.

The combination of these problems prompted me to call Carl Geller of FLUTe. Mr. Geller focused his attention on the equipment being used. Once he was convinced that it was his manifold, he asked about the pressure gauges and stated that the range of pressure on the gauges was too course for exact delivery of the proper psi. He said that it would be advisable to increase the pressure since it was his belief that the "course" gauges were delivering less pressure than indicated. We then increased pressure from 60 to about 80 psi for purging. This enabled us to purge multiple ports at one time, but still not to purge all ports at once. After the telephone conversation, I discovered that the gauges which Mr. Geller purchased for the Salem Industrial Park FLUTe were identical to the gauges which he stated were too course.

Another problem which was discovered (by Sarah Kinsel) involved the failure to removed the gas delivery tubes from the ports after each purge. This caused backpressure in the gas delivery port which in turn prevented the tubing loop from filling completely. Once we removed the gas delivery tubing from the port fittings, the loops all recharged within 5 to 10 minutes.

Other problems noted by Laurie Whitesell had to do with the challenge to keep the discharge tubing separated, off the ground and out of the sun. We had deployed 6 mil poly sheeting to keep the tubing off the asphalt but it was difficult to maintain separation from small volumes of discharge water which commingled on the poly sheeting. An additional problem involves the difficulty in maintaining a steady and slow discharge velocity for sampling by solely adjusting the nitrogen pressure.

The solutions which we improvised in the field were as follows. We rigged a brace to keep the discharge ends off the ground, separated and immobile. We did this by laying the discharge tubes across the top of a cooler so that they were separated and immobilizing with a weight. In the future it would be advisable to have a dedicated device for this purpose[1]. As for keeping the tubes out of the sun, we could not do so effectively except by rolling the tubing up and putting it back into the manhole with the lid in place. In the future it may be advisable to have a dedicated opaque sheet to lay over the tubing while recharging or during any other delays so as to avoid having to put away and redeploy repeatedly. Finally, with regard to achieving the ideal water discharge velocity for sampling, we found the responsiveness of the gas valves was too course to control water efficiently. It was either too fast, or once pressure was reduced, velocity would soon decrease below an acceptable volume . So, we improvised a valve at the discharge end by crimping the discharge tubing until a satisfactory discharge rate was achieved which we could easily maintain[2].

Regarding my own preparation, I had failed to obtain an adequate supply of bottles from the mobile lab, and therefore had to use pre-acidified glassware from BEMSA's stock in the sample room. I used field blank water to take a "field blank" on this glassware which I labeled TB/FB and delivered to Mobile Lab on 10/13/05. I also created a table in my field notebook which reveals which bottles were from Mobile Lab and which were from the BEMSA store. All bottles supplied to the USEPA lab were supplied by Mobile Lab.

Prior to purging, we completed synoptic water level measurements within each FLUTe gas delivery port. The FLUTe system design produces varying elevations of the gas delivery port fittings from what would be surveyed as the single datum within the well. These fittings are each held in place by a metal bracket which is bolted onto a heavy gauge white PVC "reducer" coupling. The noted PVC fitting is about 8 inches in diameter. Each of the gas delivery port fittings rise above the PVC fitting to varying heights of about 3 to 4 inches. The only way to measure water level for each port is to lower a specially made water level probe into the port and mark the point on the water level indicator wire which corresponds with the top of the gas delivery port . But since the tops of these gas delivery ports will not be surveyed, we had to measure from the top of the gas delivery port to the top of the PVC coupling (the top of the PVC coupling will be the surveyed point most likely). I called Mr. Geller to complain about this design, stating that the ports should be mounted exactly even with the PVC top and should be secured so they cannot move. He favored some other design which did not seem to give a direct measurement from the top of the PVC coupling. Another problem with the design is that the special Herron water level indicator has only 5 foot graduations on the wire which causes the sampler to take additional measurements from the point on the wire to the nearest 5 foot graduation, thereby increasing the likelihood of measurement error.

Sarah Kinsel noted the water level measurements for wells 1D and 3D. After Sarah Kinsel and Laurie Whitesell departed, I noted the water level measurements for wells 2D and 4D. The probe was washed and rinsed so as to reduce the potential for cross-contamination.

---

[1] Eric Storm of FLUTe suggested a 2X4 with drilled holes.
[2] Eric Storm of FLUTe agreed that this would not effect sample quality but wants to visit the branchburg Exxon with GES to explore how the recommended pressures did not work with the manifolded system.

ATTACHMENT AAA

ATTACHMENT AAA

NJDEP MOBILE ENVIRONMENTAL LABORATORY

FINAL REPORT

EXXON STATION #32558

936 RTE 202

BRANCHBURG

SOMERSET COUNTY, NJ

REPORT DATE: 5/18/2005

SAMPLE RECEIPT DATE: 5/11/2005

JOBCODE: T050MG0P

ANALYZED BY

KENNETH GLASSER

MOBILE LABORATORY PROGRAM MANAGER

1.0 INTRODUCTION

On 5/11/2005 Monitor Well samples collected from Exxon Station #32558 were delivered to the NJDEP Mobile Laboratory for analysis.
The samples were analyzed for EPA 524 Volatile Organic Compounds by Purge and Trap Capillary Column Gas Chromatography/Mass Spectrometry (GCMS).

2.0 PROCEDURES

2.1 Field Sampling Procedures

The sampling team led by Nick Sodano collected monitor well samples in 40ml glass VOA vials. Sampling was conducted in accordance with the procedures specified in the NJDEPE Field Sampling Procedures Manual, May 1992 edition. Samples were preserved with HCL and stored at 4°C until analysis.

2.2 Analytical Methods

Samples were analyzed by the following method:
Mobile Laboratory Method 524 - Measurement of Purgeable VOCs in Water by Capillary Column GC/MS.

3.0 REPORTING

3.1 INTERNAL STANDARDS AND SURROGATE SPIKES

Where indicated, Internal Standards (ISTD) and System Monitoring Compounds (SMC) have been added to the sample to check instrument performance and the analytical technique - They are not indicative of sample contamination. Various Continuing Calibration Standards were analyzed to verify GC/MS tune integrity.

3.2 Sample Dilutions

Individual compounds may have been tagged with an "E". This means they have exceeded the calibration range upper limit and should be evaluated using the diluted sample result if supplied. **Diluted results have been corrected using the dilution factor.**

3.3 NON CONFORMANCE SUMMARY

NONE REPORTED

Please direct questions or comments to Kenneth Glasser or Corey Lakin at the NJDEP Mobile Environmental Laboratory, Windsor Industrial Park, Bldg. 12, Windsor, NJ, 08561. Phone: 609-371-3981 or Fax: 609-371-3986.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 20:13
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: FB/TB
Lab Data File Name: 05160557.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	2.95E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	ND				82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	ND				92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.67	*SMC	30.48	9.87E+05	95.00	173.90	0.4	93.3
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.56	*SMC	36.18	2.46E+05	152.00	150.00	0.4	92.8
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 21:13
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: TB
Lab Data File Name: 05160558.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	2.92E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	ND				82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	ND				92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.80	*SMC	30.48	9.84E+05	95.00	173.90	0.4	94.0
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.87	*SMC	36.17	2.47E+05	152.00	150.00	0.4	94.3
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/14/05 12:41
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 1D31
Lab Data File Name: 05130562.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	4.35E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	2.40		13.68	2.22E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	ND				92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.80	*SMC	30.48	1.49E+06	95.00	173.90	0.4	94.0
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.60	*SMC	36.17	3.59E+05	152.00	150.00	0.4	93.0
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 22:29
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW1D60
Lab Data File Name: 05120558.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.14E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	2.37			13.67	2.29E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	0.34	J		21.47	5.49E+04	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.69	*SMC	30.47	1.39E+06	95.00	173.90	0.4	93.5
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.89	*SMC	36.17	3.28E+05	152.00	150.00	0.4	94.5
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 01:27
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW1D77
Lab Data File Name: 05120561.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	4.10E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	ND				82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	1.75		21.48	2.78E+05	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.77	*SMC	30.48	1.38E+06	95.00	173.90	0.4	93.9
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.51	*SMC	36.17	3.35E+05	152.00	150.00	0.4	97.6
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 23:29
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW1D100
Lab Data File Name: 05120559.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.11E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	2.03			13.68	1.95E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	0.48			18.89	2.93E+04	82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	91.28	E		21.48	1.45E+07	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	19.24	*SMC	30.48	1.42E+06	95.00	173.90	0.4	96.2
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.68	*SMC	36.17	3.39E+05	152.00	150.00	0.4	98.4
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 22:43
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 1D100 /10
Lab Data File Name: 05130560.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.48	3.96E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	4.0
3)	CHLOROMETHANE	ND				50.00	52.00	4.0
4)	VINYL CHLORIDE	ND				62.00	64.00	4.0
5)	BROMOMETHANE	ND				94.00	95.90	4.0
6)	CHLOROETHANE	ND				64.00	66.00	4.0
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	4.0
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	4.0
9)	METHYLENE CHLORIDE	ND				84.00	49.00	4.0
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	4.0
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	4.0
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	4.0
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	4.0
14)	CHLOROFORM	ND				82.90	84.90	4.0
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	4.0
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	4.0
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	4.0
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	4.0
19)	BENZENE	ND				77.10	78.10	4.0
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	4.0
21)	TRICHLOROETHENE	ND				94.90	129.90	4.0
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	4.0
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	4.0
24)	DIBROMOMETHANE	ND				92.90	94.90	4.0
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
26)	TOLUENE	179.87		21.48	2.56E+06	92.10	91.10	4.0
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	4.0
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	4.0
30)	TETRACHLOROETHENE	ND				165.90	128.90	4.0
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	4.0
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	4.0
33)	ETHYLBENZENE	ND				106.10	91.10	4.0
34)	CHLOROBENZENE	ND				112.00	77.00	4.0
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	4.0
36)	M,P-XYLENE	ND				106.10	91.10	4.0
37)	O-XYLENE	ND				106.10	91.10	4.0

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#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	4.0	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	4.0	
40)	BROMOFORM	ND				172.90	174.80	4.0	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	4.0	
42)	4-BROMOFLUOROBENZENE	18.79	*SMC	30.48	1.35E+06	95.00	173.90	0.4	94.0
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	20.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	4.0	
45)	BROMOBENZENE	ND				156.00	158.00	4.0	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	4.0	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	4.0	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	4.0	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	4.0	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	4.0	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	4.0	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	4.0	
55)	N-BUTYLBENZENE	ND				134.10	91.10	4.0	
56)	1,4-DICHLOROBENZENE-d4	18.38	*SMC	36.18	3.22E+05	152.00	150.00	0.4	91.9
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	4.0	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	20.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	4.0	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	4.0	
61)	NAPHTHALENE	ND				128.10	0.00	10.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	10.0	
63)	MTBE	ND				73.10	57.10	20.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 12:28
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW1D112
Lab Data File Name: 05120560.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.11E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	0.57			8.81	3.70E+04	96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	0.58			13.68	5.53E+04	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	0.31	J		14.71	2.69E+04	97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	62.46	E		21.48	9.94E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.96	*SMC	30.47	1.40E+06	95.00	173.90	0.4	94.8
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.53	*SMC	36.17	3.37E+05	152.00	150.00	0.4	97.6
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 20:44
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 1D112 /10
Lab Data File Name: 05130558.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	4.03E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	4.0
3)	CHLOROMETHANE	ND				50.00	52.00	4.0
4)	VINYL CHLORIDE	ND				62.00	64.00	4.0
5)	BROMOMETHANE	ND				94.00	95.90	4.0
6)	CHLOROETHANE	ND				64.00	66.00	4.0
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	4.0
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	4.0
9)	METHYLENE CHLORIDE	ND				84.00	49.00	4.0
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	4.0
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	4.0
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	4.0
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	4.0
14)	CHLOROFORM	ND				82.90	84.90	4.0
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	4.0
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	4.0
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	4.0
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	4.0
19)	BENZENE	ND				77.10	78.10	4.0
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	4.0
21)	TRICHLOROETHENE	ND				94.90	129.90	4.0
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	4.0
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	4.0
24)	DIBROMOMETHANE	ND				92.90	94.90	4.0
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
26)	TOLUENE	47.29		21.48	6.86E+05	92.10	91.10	4.0
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	4.0
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	4.0
30)	TETRACHLOROETHENE	ND				165.90	128.90	4.0
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	4.0
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	4.0
33)	ETHYLBENZENE	ND				106.10	91.10	4.0
34)	CHLOROBENZENE	ND				112.00	77.00	4.0
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	4.0
36)	M,P-XYLENE	ND				106.10	91.10	4.0
37)	O-XYLENE	ND				106.10	91.10	4.0

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	4.0	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	4.0	
40)	BROMOFORM	ND				172.90	174.80	4.0	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	4.0	
42)	4-BROMOFLUOROBENZENE	18.72	*SMC	30.48	1.37E+06	95.00	173.90	0.4	93.6
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	20.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	4.0	
45)	BROMOBENZENE	ND				156.00	158.00	4.0	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	4.0	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	4.0	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	4.0	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	4.0	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	4.0	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	4.0	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	4.0	
55)	N-BUTYLBENZENE	ND				134.10	91.10	4.0	
56)	1,4-DICHLOROBENZENE-d4	18.55	*SMC	36.17	3.31E+05	152.00	150.00	0.4	92.7
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	4.0	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	20.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	4.0	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	4.0	
61)	NAPHTHALENE	ND				128.10	0.00	10.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	10.0	
63)	MTBE	ND				73.10	57.10	20.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 02:27
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW2D45
Lab Data File Name: 05120562.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.04E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	1.99			13.68	1.88E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	0.23	J		18.89	1.38E+04	82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	3.99			21.48	6.23E+05	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.86	*SMC	30.47	1.37E+06	95.00	173.90	0.4	94.3
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.05	*SMC	36.18	3.23E+05	152.00	150.00	0.4	95.2
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/14/05 01:41
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 2D72
Lab Data File Name: 05130563.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.48	4.28E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	0.67			11.71	6.40E+04	63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	2.10			13.67	1.91E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	0.37	J		18.88	2.20E+04	82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	68.83	E		21.48	1.06E+07	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.64	*SMC	30.48	1.45E+06	95.00	173.90	0.4	93.2
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.48	*SMC	36.18	3.50E+05	152.00	150.00	0.4	92.4
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 16:15
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 2D72 1/10
Lab Data File Name: 05160553.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	3.09E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	4.0
3)	CHLOROMETHANE	ND				50.00	52.00	4.0
4)	VINYL CHLORIDE	ND				62.00	64.00	4.0
5)	BROMOMETHANE	ND				94.00	95.90	4.0
6)	CHLOROETHANE	ND				64.00	66.00	4.0
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	4.0
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	4.0
9)	METHYLENE CHLORIDE	ND				84.00	49.00	4.0
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	4.0
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	4.0
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	4.0
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	4.0
14)	CHLOROFORM	ND				82.90	84.90	4.0
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	4.0
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	4.0
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	4.0
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	4.0
19)	BENZENE	ND				77.10	78.10	4.0
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	4.0
21)	TRICHLOROETHENE	ND				94.90	129.90	4.0
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	4.0
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	4.0
24)	DIBROMOMETHANE	ND				92.90	94.90	4.0
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
26)	TOLUENE	98.28		21.47	1.08E+06	92.10	91.10	4.0
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	4.0
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	4.0
30)	TETRACHLOROETHENE	ND				165.90	128.90	4.0
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	4.0
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	4.0
33)	ETHYLBENZENE	ND				106.10	91.10	4.0
34)	CHLOROBENZENE	ND				112.00	77.00	4.0
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	4.0
36)	M,P-XYLENE	ND				106.10	91.10	4.0
37)	O-XYLENE	ND				106.10	91.10	4.0

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	4.0	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	4.0	
40)	BROMOFORM	ND				172.90	174.80	4.0	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	4.0	
42)	4-BROMOFLUOROBENZENE	19.07	*SMC	30.48	1.06E+06	95.00	173.90	0.4	95.3
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	20.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	4.0	
45)	BROMOBENZENE	ND				156.00	158.00	4.0	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	4.0	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	4.0	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	4.0	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	4.0	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	4.0	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	4.0	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	4.0	
55)	N-BUTYLBENZENE	ND				134.10	91.10	4.0	
56)	1,4-DICHLOROBENZENE-d4	18.45	*SMC	36.18	2.56E+05	152.00	150.00	0.4	92.3
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	4.0	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	20.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	4.0	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	4.0	
61)	NAPHTHALENE	ND				128.10	0.00	10.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	10.0	
63)	MTBE	ND				73.10	57.10	20.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/14/05 02:40
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 2D90
Lab Data File Name: 05130564.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	4.16E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	2.34		13.68	2.07E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	0.41		18.89	2.37E+04	82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	81.22	E	21.48	1.22E+07	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.72	*SMC	30.48	1.42E+06	95.00	173.90	0.4	93.6
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.35	*SMC	36.18	3.38E+05	152.00	150.00	0.4	91.7
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 17:15
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 2D90 1/10
Lab Data File Name: 05160554.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.48	3.08E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	4.0
3)	CHLOROMETHANE	ND				50.00	52.00	4.0
4)	VINYL CHLORIDE	ND				62.00	64.00	4.0
5)	BROMOMETHANE	ND				94.00	95.90	4.0
6)	CHLOROETHANE	ND				64.00	66.00	4.0
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	4.0
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	4.0
9)	METHYLENE CHLORIDE	ND				84.00	49.00	4.0
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	4.0
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	4.0
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	4.0
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	4.0
14)	CHLOROFORM	ND				82.90	84.90	4.0
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	4.0
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	4.0
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	4.0
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	4.0
19)	BENZENE	ND				77.10	78.10	4.0
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	4.0
21)	TRICHLOROETHENE	ND				94.90	129.90	4.0
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	4.0
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	4.0
24)	DIBROMOMETHANE	ND				92.90	94.90	4.0
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
26)	TOLUENE	127.10		21.47	1.40E+06	92.10	91.10	4.0
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	4.0
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	4.0
30)	TETRACHLOROETHENE	ND				165.90	128.90	4.0
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	4.0
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	4.0
33)	ETHYLBENZENE	ND				106.10	91.10	4.0
34)	CHLOROBENZENE	ND				112.00	77.00	4.0
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	4.0
36)	M,P-XYLENE	ND				106.10	91.10	4.0
37)	O-XYLENE	ND				106.10	91.10	4.0

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	4.0	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	4.0	
40)	BROMOFORM	ND				172.90	174.80	4.0	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	4.0	
42)	4-BROMOFLUOROBENZENE	19.20	*SMC	30.48	1.06E+06	95.00	173.90	0.4	96.0
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	20.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	4.0	
45)	BROMOBENZENE	ND				156.00	158.00	4.0	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	4.0	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	4.0	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	4.0	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	4.0	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	4.0	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	4.0	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	4.0	
55)	N-BUTYLBENZENE	ND				134.10	91.10	4.0	
56)	1,4-DICHLOROBENZENE-d4	18.45	*SMC	36.18	2.55E+05	152.00	150.00	0.4	92.2
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	4.0	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	20.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	4.0	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	4.0	
61)	NAPHTHALENE	ND				128.10	0.00	10.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	10.0	
63)	MTBE	ND				73.10	57.10	20.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/14/05 03:40
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 2D107
Lab Data File Name: 05130565.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.10E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	1.00			13.67	8.71E+04	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	88.51	E		21.48	1.31E+07	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.76	*SMC	30.48	1.40E+06	95.00	173.90	0.4	93.8
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.63	*SMC	36.17	3.39E+05	152.00	150.00	0.4	93.2
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 18:15
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 2D107 1/10
Lab Data File Name: 05160555.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	3.01E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	4.0
3)	CHLOROMETHANE	ND				50.00	52.00	4.0
4)	VINYL CHLORIDE	ND				62.00	64.00	4.0
5)	BROMOMETHANE	ND				94.00	95.90	4.0
6)	CHLOROETHANE	ND				64.00	66.00	4.0
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	4.0
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	4.0
9)	METHYLENE CHLORIDE	ND				84.00	49.00	4.0
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	4.0
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	4.0
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	4.0
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	4.0
14)	CHLOROFORM	ND				82.90	84.90	4.0
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	4.0
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	4.0
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	4.0
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	4.0
19)	BENZENE	ND				77.10	78.10	4.0
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	4.0
21)	TRICHLOROETHENE	ND				94.90	129.90	4.0
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	4.0
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	4.0
24)	DIBROMOMETHANE	ND				92.90	94.90	4.0
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
26)	TOLUENE	147.61		21.48	1.59E+06	92.10	91.10	4.0
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	4.0
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	4.0
30)	TETRACHLOROETHENE	ND				165.90	128.90	4.0
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	4.0
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	4.0
33)	ETHYLBENZENE	ND				106.10	91.10	4.0
34)	CHLOROBENZENE	ND				112.00	77.00	4.0
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	4.0
36)	M,P-XYLENE	ND				106.10	91.10	4.0
37)	O-XYLENE	ND				106.10	91.10	4.0

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	4.0	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	4.0	
40)	BROMOFORM	ND				172.90	174.80	4.0	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	4.0	
42)	4-BROMOFLUOROBENZENE	18.92	*SMC	30.48	1.02E+06	95.00	173.90	0.4	94.6
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	20.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	4.0	
45)	BROMOBENZENE	ND				156.00	158.00	4.0	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	4.0	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	4.0	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	4.0	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	4.0	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	4.0	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	4.0	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	4.0	
55)	N-BUTYLBENZENE	ND				134.10	91.10	4.0	
56)	1,4-DICHLOROBENZENE-d4	19.01	*SMC	36.17	2.57E+05	152.00	150.00	0.4	95.0
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	4.0	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	20.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	4.0	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	4.0	
61)	NAPHTHALENE	ND				128.10	0.00	10.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	10.0	
63)	MTBE	ND				73.10	57.10	20.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 21:29
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW3D35
Lab Data File Name: 05120557.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.48	4.17E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	1.31			13.68	1.28E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	0.31	J		21.49	5.02E+04	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.92	*SMC	30.48	1.42E+06	95.00	173.90	0.4	94.6
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.25	*SMC	36.17	3.37E+05	152.00	150.00	0.4	96.2
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 18:31
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW3D50
Lab Data File Name: 05120554.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.30E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	1.26			13.68	1.27E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	0.37	J		21.48	6.08E+04	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.62	*SMC	30.48	1.44E+06	95.00	173.90	0.4	93.1
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.16	*SMC	36.17	3.46E+05	152.00	150.00	0.4	95.8
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 17:32
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW3D62
Lab Data File Name: 05120553.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.41E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	0.62			13.67	6.36E+04	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	79.72	E		21.48	1.36E+07	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND					104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND					120.10	105.10	0.4	
40)	BROMOFORM	ND					172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND					82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.99		*SMC	30.47	1.50E+06	95.00	173.90	0.4	94.9
43)	1,2,3 TRICHLOROPROPANE	ND					110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND					120.10	91.10	0.4	
45)	BROMOBENZENE	ND					156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND					120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND					91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND					91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND					119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND					120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND					134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND					134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND					146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND					146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND					134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.13		*SMC	36.17	3.54E+05	152.00	150.00	0.4	95.7
57)	1,2 DICHLOROBENZENE	ND					146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND					75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND					179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND					224.80	226.80	0.4	
61)	NAPHTHALENE	ND					128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND					179.90	181.90	1.0	
63)	MTBE	0.51	J		10.22	5.50E+04	73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 21:43
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 3D62 /10
Lab Data File Name: 05130559.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.48	3.98E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	4.0
3)	CHLOROMETHANE	ND				50.00	52.00	4.0
4)	VINYL CHLORIDE	ND				62.00	64.00	4.0
5)	BROMOMETHANE	ND				94.00	95.90	4.0
6)	CHLOROETHANE	ND				64.00	66.00	4.0
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	4.0
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	4.0
9)	METHYLENE CHLORIDE	ND				84.00	49.00	4.0
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	4.0
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	4.0
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	4.0
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	4.0
14)	CHLOROFORM	ND				82.90	84.90	4.0
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	4.0
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	4.0
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	4.0
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	4.0
19)	BENZENE	ND				77.10	78.10	4.0
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	4.0
21)	TRICHLOROETHENE	ND				94.90	129.90	4.0
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	4.0
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	4.0
24)	DIBROMOMETHANE	ND				92.90	94.90	4.0
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
26)	TOLUENE	152.45		21.47	2.18E+06	92.10	91.10	4.0
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	4.0
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	4.0
30)	TETRACHLOROETHENE	ND				165.90	128.90	4.0
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	4.0
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	4.0
33)	ETHYLBENZENE	ND				106.10	91.10	4.0
34)	CHLOROBENZENE	ND				112.00	77.00	4.0
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	4.0
36)	M,P-XYLENE	ND				106.10	91.10	4.0
37)	O-XYLENE	ND				106.10	91.10	4.0

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	4.0	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	4.0	
40)	BROMOFORM	ND				172.90	174.80	4.0	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	4.0	
42)	4-BROMOFLUOROBENZENE	18.57	*SMC	30.47	1.34E+06	95.00	173.90	0.4	92.9
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	20.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	4.0	
45)	BROMOBENZENE	ND				156.00	158.00	4.0	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	4.0	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	4.0	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	4.0	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	4.0	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	4.0	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	4.0	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	4.0	
55)	N-BUTYLBENZENE	ND				134.10	91.10	4.0	
56)	1,4-DICHLOROBENZENE-d4	18.38	*SMC	36.17	3.24E+05	152.00	150.00	0.4	91.9
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	4.0	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	20.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	4.0	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	4.0	
61)	NAPHTHALENE	ND				128.10	0.00	10.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	10.0	
63)	MTBE	ND				73.10	57.10	20.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 19:31
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW3D75
Lab Data File Name: 05120555.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	4.24E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	ND				82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	ND				92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	19.03	*SMC	30.48	1.45E+06	95.00	173.90	0.4	95.2
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.40	*SMC	36.17	3.45E+05	152.00	150.00	0.4	97.0
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 20:30
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MW3D105
Lab Data File Name: 05120556.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.18E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	1.14			13.68	1.11E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	0.28	J		18.88	1.76E+04	82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	50.10	E		21.48	8.11E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.71	*SMC	30.48	1.40E+06	95.00	173.90	0.4	93.5
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.24	*SMC	36.17	3.37E+05	152.00	150.00	0.4	96.2
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	5.35		10.20	5.42E+05	73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 19:44
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 3D105 /10
Lab Data File Name: 05130557.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.03E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	4.0
3)	CHLOROMETHANE	ND					50.00	52.00	4.0
4)	VINYL CHLORIDE	ND					62.00	64.00	4.0
5)	BROMOMETHANE	ND					94.00	95.90	4.0
6)	CHLOROETHANE	ND					64.00	66.00	4.0
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	4.0
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	4.0
9)	METHYLENE CHLORIDE	ND					84.00	49.00	4.0
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	4.0
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	4.0
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	4.0
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	4.0
14)	CHLOROFORM	ND					82.90	84.90	4.0
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	4.0
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	4.0
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	4.0
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	4.0
19)	BENZENE	ND					77.10	78.10	4.0
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	4.0
21)	TRICHLOROETHENE	ND					94.90	129.90	4.0
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	4.0
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	4.0
24)	DIBROMOMETHANE	ND					92.90	94.90	4.0
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	4.0
26)	TOLUENE	65.88			21.48	9.57E+05	92.10	91.10	4.0
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	4.0
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	4.0
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	4.0
30)	TETRACHLOROETHENE	ND					165.90	128.90	4.0
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	4.0
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	4.0
33)	ETHYLBENZENE	ND					106.10	91.10	4.0
34)	CHLOROBENZENE	ND					112.00	77.00	4.0
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	4.0
36)	M,P-XYLENE	ND					106.10	91.10	4.0
37)	O-XYLENE	ND					106.10	91.10	4.0

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	4.0	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	4.0	
40)	BROMOFORM	ND				172.90	174.80	4.0	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	4.0	
42)	4-BROMOFLUOROBENZENE	19.17	*SMC	30.48	1.41E+06	95.00	173.90	0.4	95.8
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	20.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	4.0	
45)	BROMOBENZENE	ND				156.00	158.00	4.0	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	4.0	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	4.0	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	4.0	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	4.0	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	4.0	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	4.0	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	4.0	
55)	N-BUTYLBENZENE	ND				134.10	91.10	4.0	
56)	1,4-DICHLOROBENZENE-d4	18.79	*SMC	36.18	3.36E+05	152.00	150.00	0.4	93.9
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	4.0	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	20.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	4.0	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	4.0	
61)	NAPHTHALENE	ND				128.10	0.00	10.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	10.0	
63)	MTBE	ND				73.10	57.10	20.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/14/05 04:39
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 4D39
Lab Data File Name: 05130566.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	4.36E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	2.04			13.68	1.89E+05	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	89.35	E		21.48	1.40E+07	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.42	*SMC	30.48	1.46E+06	95.00	173.90	0.4	92.1
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.03	*SMC	36.18	3.48E+05	152.00	150.00	0.4	90.1
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	140.66		10.18	1.27E+07	73.10	57.10	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 19:14
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 4D39 1/10
Lab Data File Name: 05160556.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.48	3.04E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	4.0
3)	CHLOROMETHANE	ND				50.00	52.00	4.0
4)	VINYL CHLORIDE	ND				62.00	64.00	4.0
5)	BROMOMETHANE	ND				94.00	95.90	4.0
6)	CHLOROETHANE	ND				64.00	66.00	4.0
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	4.0
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	4.0
9)	METHYLENE CHLORIDE	ND				84.00	49.00	4.0
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	4.0
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	4.0
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	4.0
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	4.0
14)	CHLOROFORM	ND				82.90	84.90	4.0
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	4.0
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	4.0
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	4.0
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	4.0
19)	BENZENE	ND				77.10	78.10	4.0
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	4.0
21)	TRICHLOROETHENE	ND				94.90	129.90	4.0
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	4.0
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	4.0
24)	DIBROMOMETHANE	ND				92.90	94.90	4.0
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
26)	TOLUENE	160.66		21.47	1.75E+06	92.10	91.10	4.0
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	4.0
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	4.0
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	4.0
30)	TETRACHLOROETHENE	ND				165.90	128.90	4.0
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	4.0
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	4.0
33)	ETHYLBENZENE	ND				106.10	91.10	4.0
34)	CHLOROBENZENE	ND				112.00	77.00	4.0
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	4.0
36)	M,P-XYLENE	ND				106.10	91.10	4.0
37)	O-XYLENE	ND				106.10	91.10	4.0

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	4.0	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	4.0	
40)	BROMOFORM	ND				172.90	174.80	4.0	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	4.0	
42)	4-BROMOFLUOROBENZENE	18.62	*SMC	30.47	1.02E+06	95.00	173.90	0.4	93.1
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	20.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	4.0	
45)	BROMOBENZENE	ND				156.00	158.00	4.0	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	4.0	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	4.0	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	4.0	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	4.0	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	4.0	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	4.0	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	4.0	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	4.0	
55)	N-BUTYLBENZENE	ND				134.10	91.10	4.0	
56)	1,4-DICHLOROBENZENE-d4	17.71	*SMC	36.17	2.42E+05	152.00	150.00	0.4	88.6
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	4.0	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	20.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	4.0	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	4.0	
61)	NAPHTHALENE	ND				128.10	0.00	10.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	10.0	
63)	MTBE	157.42		10.19	1.10E+06	73.10	57.10	20.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 22:13
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 4D56
Lab Data File Name: 05160559.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.47	2.95E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	0.95			11.70	6.22E+04	63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	0.88			13.68	5.49E+04	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	13.66			21.48	1.44E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	0.22	J		23.55	1.25E+04	165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND					104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND					120.10	105.10	0.4	
40)	BROMOFORM	ND					172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND					82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.94		*SMC	30.48	1.00E+06	95.00	173.90	0.4	94.7
43)	1,2,3 TRICHLOROPROPANE	ND					110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND					120.10	91.10	0.4	
45)	BROMOBENZENE	ND					156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND					120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND					91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND					91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND					119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND					120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND					134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND					134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND					146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND					146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND					134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.87		*SMC	36.18	2.50E+05	152.00	150.00	0.4	94.4
57)	1,2 DICHLOROBENZENE	ND					146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND					75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND					179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND					224.80	226.80	0.4	
61)	NAPHTHALENE	ND					128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND					179.90	181.90	1.0	
63)	MTBE	1.66	J		10.20	1.12E+05	73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/17/05 02:10
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 4D85
Lab Data File Name: 05160563.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	2.87E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	0.43		13.68	2.59E+04	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	19.42		21.48	1.99E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.53	*SMC	30.47	9.53E+05	95.00	173.90	0.4	92.6
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.59	*SMC	36.17	2.39E+05	152.00	150.00	0.4	92.9
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/17/05 01:11
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 4D102
Lab Data File Name: 05160562.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	2.89E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	0.97		13.68	5.97E+04	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	25.06		21.48	2.58E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.69	*SMC	30.48	9.68E+05	95.00	173.90	0.4	93.4
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.33	*SMC	36.18	2.38E+05	152.00	150.00	0.4	91.6
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/17/05 12:11
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 4D130
Lab Data File Name: 05160561.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00		*ISTD	16.48	2.90E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND					85.00	87.00	0.4
3)	CHLOROMETHANE	ND					50.00	52.00	0.4
4)	VINYL CHLORIDE	ND					62.00	64.00	0.4
5)	BROMOMETHANE	ND					94.00	95.90	0.4
6)	CHLOROETHANE	ND					64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND					100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND					96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND					84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND					96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND					63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND					77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND					96.00	98.00	0.4
14)	CHLOROFORM	0.60			13.67	3.68E+04	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND					127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND					97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND					75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND					116.90	118.90	0.4
19)	BENZENE	ND					77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND					62.00	98.00	0.4
21)	TRICHLOROETHENE	ND					94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND					63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND					82.90	84.90	0.4
24)	DIBROMOMETHANE	ND					92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
26)	TOLUENE	40.82	E		21.48	4.22E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND					75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND					82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND					76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND					165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND					128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND					106.90	108.90	0.4
33)	ETHYLBENZENE	ND					106.10	91.10	0.4
34)	CHLOROBENZENE	ND					112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND					130.90	132.90	0.4
36)	M,P-XYLENE	ND					106.10	91.10	0.4
37)	O-XYLENE	ND					106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.60	*SMC	30.48	9.67E+05	95.00	173.90	0.4	93.0
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.46	*SMC	36.18	2.40E+05	152.00	150.00	0.4	92.3
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 23:12
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 4D150
Lab Data File Name: 05160560.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	2.96E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	ND				82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	29.22		21.48	3.09E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.86	*SMC	30.48	1.00E+06	95.00	173.90	0.4	94.3
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	18.18	*SMC	36.18	2.42E+05	152.00	150.00	0.4	90.9
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 14:33
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 30 PPB 524,60 MTBE
Lab Data File Name: 05120550.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.48	4.85E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	30.00		4.80	8.12E+05	85.00	87.00	0.4
3)	CHLOROMETHANE	30.00		5.37	1.48E+06	50.00	52.00	0.4
4)	VINYL CHLORIDE	30.00		5.66	1.95E+06	62.00	64.00	0.4
5)	BROMOMETHANE	30.00		6.68	1.14E+06	94.00	95.90	0.4
6)	CHLOROETHANE	30.00		6.83	1.45E+06	64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	30.00		7.38	2.96E+06	100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	30.00		8.81	2.30E+06	96.00	61.00	0.4
9)	METHYLENE CHLORIDE	30.00		9.98	2.02E+06	84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	30.00		10.65	2.49E+06	96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	30.00		11.71	3.55E+06	63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	30.00		13.10	1.97E+06	77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	30.00		13.28	2.53E+06	96.00	98.00	0.4
14)	CHLOROFORM	30.00		13.67	3.39E+06	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	30.00		14.19	9.37E+05	127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	30.00		14.72	3.03E+06	97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	30.00		15.12	3.10E+06	75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	30.00		15.43	2.96E+06	116.90	118.90	0.4
19)	BENZENE	29.75		15.95	2.26E+06	77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	30.00		15.91	1.67E+06	62.00	98.00	0.4
21)	TRICHLOROETHENE	30.00		17.60	2.37E+06	94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	30.00		18.16	1.96E+06	63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	30.00		18.90	2.16E+06	82.90	84.90	0.4
24)	DIBROMOMETHANE	30.00		19.12	7.67E+05	92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	30.00		20.48	2.71E+06	75.00	110.00	0.4
26)	TOLUENE	30.00		21.48	5.63E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	30.00		22.05	2.10E+06	75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	30.00		22.59	9.71E+05	82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	30.00		23.42	2.01E+06	76.00	78.00	0.4
30)	TETRACHLOROETHENE	30.00		23.56	3.01E+06	165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	30.00		24.38	1.36E+06	128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	30.00		25.05	1.07E+06	106.90	108.90	0.4
33)	ETHYLBENZENE	30.00		26.47	3.87E+06	106.10	91.10	0.4
34)	CHLOROBENZENE	30.00		26.38	5.64E+06	112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	30.00		26.50	2.29E+06	130.90	132.90	0.4
36)	M,P-XYLENE	60.00		26.72	8.11E+06	106.10	91.10	0.4
37)	O-XYLENE	30.00		28.27	4.41E+06	106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	30.00		28.42	6.25E+06	104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	30.00		29.49	3.54E+06	120.10	105.10	0.4	
40)	BROMOFORM	30.00		29.77	7.44E+05	172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	30.00		30.21	1.23E+06	82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	20.00	*SMC	30.48	1.74E+06	95.00	173.90	0.4	100.0
43)	1,2,3 TRICHLOROPROPANE	30.00		30.76	4.12E+05	110.00	112.00	2.0	
44)	N-PROPYLBENZENE	30.00		30.91	3.67E+06	120.10	91.10	0.4	
45)	BROMOBENZENE	30.00		31.23	2.76E+06	156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	30.00		31.47	5.28E+06	120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	30.00		31.64	6.89E+06	91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	30.00		31.80	6.84E+06	91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	30.00		32.77	7.85E+06	119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	30.00		32.92	4.99E+06	120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	30.00		33.53	3.13E+06	134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	30.00		34.03	3.55E+06	134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	30.00		34.49	5.35E+06	146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	30.00		34.89	5.26E+06	146.00	148.00	0.4	
55)	N-BUTYLBENZENE	30.00		35.54	3.37E+06	134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	20.00	*SMC	36.18	4.07E+05	152.00	150.00	0.4	100.0
57)	1,2 DICHLOROBENZENE	30.00		36.28	4.72E+06	146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	30.00		38.72	1.79E+05	75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	30.00		40.80	3.73E+06	179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	30.00		41.09	2.49E+06	224.80	226.80	0.4	
61)	NAPHTHALENE	30.00		41.52	4.75E+06	128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	30.00		42.13	3.19E+06	179.90	181.90	1.0	
63)	MTBE	60.18		10.19	7.07E+06	73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/12/05 16:32
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MB
Lab Data File Name: 05120552.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	4.39E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	ND				82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	ND				92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.91	*SMC	30.47	1.49E+06	95.00	173.90	0.4	94.6
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.33	*SMC	36.18	3.56E+05	152.00	150.00	0.4	96.7
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 15:10
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 524+ 30/60
Lab Data File Name: 05130553.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	4.50E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	30.00		4.80	6.08E+05	85.00	87.00	0.4
3)	CHLOROMETHANE	30.00		5.37	1.21E+06	50.00	52.00	0.4
4)	VINYL CHLORIDE	30.00		5.65	1.58E+06	62.00	64.00	0.4
5)	BROMOMETHANE	30.00		6.68	9.20E+05	94.00	95.90	0.4
6)	CHLOROETHANE	30.00		6.83	1.18E+06	64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	30.00		7.38	2.41E+06	100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	30.00		8.81	1.83E+06	96.00	61.00	0.4
9)	METHYLENE CHLORIDE	30.00		9.97	1.64E+06	84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	30.00		10.64	2.08E+06	96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	30.00		11.71	3.02E+06	63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	30.00		13.10	1.73E+06	77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	30.00		13.28	2.11E+06	96.00	98.00	0.4
14)	CHLOROFORM	30.00		13.68	2.88E+06	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	30.00		14.19	7.80E+05	127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	30.00		14.72	2.68E+06	97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	30.00		15.12	2.67E+06	75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	30.00		15.43	2.61E+06	116.90	118.90	0.4
19)	BENZENE	30.00		15.95	1.90E+06	77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	30.00		15.91	1.44E+06	62.00	98.00	0.4
21)	TRICHLOROETHENE	30.00		17.61	2.03E+06	94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	30.00		18.15	1.64E+06	63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	30.00		18.89	1.87E+06	82.90	84.90	0.4
24)	DIBROMOMETHANE	30.00		19.12	6.29E+05	92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	30.00		20.48	2.28E+06	75.00	110.00	0.4
26)	TOLUENE	30.00		21.48	4.86E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	30.00		22.04	1.77E+06	75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	30.00		22.58	8.19E+05	82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	30.00		23.41	1.73E+06	76.00	78.00	0.4
30)	TETRACHLOROETHENE	30.00		23.55	2.62E+06	165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	30.00		24.37	1.21E+06	128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	30.00		25.05	9.00E+05	106.90	108.90	0.4
33)	ETHYLBENZENE	30.00		26.47	3.37E+06	106.10	91.10	0.4
34)	CHLOROBENZENE	30.00		26.38	4.96E+06	112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	30.00		26.50	1.99E+06	130.90	132.90	0.4
36)	M,P-XYLENE	60.00		26.72	7.24E+06	106.10	91.10	0.4
37)	O-XYLENE	30.00		28.27	3.87E+06	106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	30.00		28.42	5.52E+06	104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	30.00		29.48	3.14E+06	120.10	105.10	0.4	
40)	BROMOFORM	30.00		29.78	7.12E+05	172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	30.00		30.20	1.02E+06	82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	20.00	*SMC	30.48	1.64E+06	95.00	173.90	0.4	100.0
43)	1,2,3 TRICHLOROPROPANE	30.00		30.75	3.48E+05	110.00	112.00	2.0	
44)	N-PROPYLBENZENE	30.00		30.92	3.27E+06	120.10	91.10	0.4	
45)	BROMOBENZENE	30.00		31.22	2.47E+06	156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	30.00		31.47	4.74E+06	120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	30.33		31.64	6.23E+06	91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	29.86		31.79	6.21E+06	91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	30.13		32.76	7.16E+06	119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	30.00		32.92	4.46E+06	120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	30.00		33.53	2.83E+06	134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	30.00		34.03	3.21E+06	134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	30.00		34.49	4.85E+06	146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	30.00		34.89	4.77E+06	146.00	148.00	0.4	
55)	N-BUTYLBENZENE	30.00		35.54	3.06E+06	134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	20.00	*SMC	36.17	3.99E+05	152.00	150.00	0.4	100.0
57)	1,2 DICHLOROBENZENE	30.00		36.28	4.27E+06	146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	30.00		38.73	1.70E+05	75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	30.00		40.80	3.44E+06	179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	30.00		41.08	2.29E+06	224.80	226.80	0.4	
61)	NAPHTHALENE	30.00		41.52	4.29E+06	128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	30.00		42.13	2.92E+06	179.90	181.90	1.0	
63)	MTBE	60.39		10.19	5.59E+06	73.10	57.10	2.0	

BG

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/13/05 17:09
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MB
Lab Data File Name: 05130555.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.48	4.14E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	ND				82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	ND				92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.60	*SMC	30.48	1.40E+06	95.00	173.90	0.4	93.0
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	19.04	*SMC	36.17	3.49E+05	152.00	150.00	0.4	95.2
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 13:17
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: 30 PPB 524,60 MTBE
Lab Data File Name: 05160550.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	3.35E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	30.00		4.80	4.45E+05	85.00	87.00	0.4
3)	CHLOROMETHANE	30.00		5.37	8.17E+05	50.00	52.00	0.4
4)	VINYL CHLORIDE	30.00		5.64	1.14E+06	62.00	64.00	0.4
5)	BROMOMETHANE	30.00		6.68	7.66E+05	94.00	95.90	0.4
6)	CHLOROETHANE	30.00		6.83	8.62E+05	64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	30.00		7.38	1.83E+06	100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	30.00		8.81	1.27E+06	96.00	61.00	0.4
9)	METHYLENE CHLORIDE	30.00		9.97	1.17E+06	84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	30.00		10.64	1.52E+06	96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	30.00		11.71	2.23E+06	63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	30.00		13.10	1.54E+06	77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	30.00		13.28	1.55E+06	96.00	98.00	0.4
14)	CHLOROFORM	30.00		13.68	2.14E+06	82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	30.00		14.18	5.70E+05	127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	30.00		14.72	2.06E+06	97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	30.00		15.12	1.97E+06	75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	30.00		15.44	1.94E+06	116.90	118.90	0.4
19)	BENZENE	30.00		15.95	1.37E+06	77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	30.00		15.90	1.06E+06	62.00	98.00	0.4
21)	TRICHLOROETHENE	30.00		17.61	1.52E+06	94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	30.00		18.15	1.18E+06	63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	30.00		18.90	1.37E+06	82.90	84.90	0.4
24)	DIBROMOMETHANE	30.00		19.13	4.57E+05	92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	30.00		20.48	1.65E+06	75.00	110.00	0.4
26)	TOLUENE	30.00		21.48	3.59E+06	92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	30.00		22.05	1.28E+06	75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	30.00		22.59	5.74E+05	82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	30.00		23.42	1.23E+06	76.00	78.00	0.4
30)	TETRACHLOROETHENE	30.00		23.56	1.92E+06	165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	30.00		24.37	8.93E+05	128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	30.00		25.05	6.35E+05	106.90	108.90	0.4
33)	ETHYLBENZENE	30.00		26.48	2.47E+06	106.10	91.10	0.4
34)	CHLOROBENZENE	30.00		26.39	3.70E+06	112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	30.00		26.50	1.46E+06	130.90	132.90	0.4
36)	M,P-XYLENE	60.00		26.72	5.52E+06	106.10	91.10	0.4
37)	O-XYLENE	30.00		28.27	2.90E+06	106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	30.00		28.42	4.15E+06	104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	30.00		29.48	2.35E+06	120.10	105.10	0.4	
40)	BROMOFORM	30.00		29.77	5.54E+05	172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	30.00		30.21	6.99E+05	82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	20.00	*SMC	30.48	1.20E+06	95.00	173.90	0.4	100.0
43)	1,2,3 TRICHLOROPROPANE	30.00		30.75	2.56E+05	110.00	112.00	2.0	
44)	N-PROPYLBENZENE	30.00		30.91	2.43E+06	120.10	91.10	0.4	
45)	BROMOBENZENE	30.00		31.22	1.82E+06	156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	30.00		31.47	3.56E+06	120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	29.95		31.64	4.74E+06	91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	30.12		31.79	4.73E+06	91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	29.77		32.76	5.49E+06	119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	30.00		32.92	3.38E+06	120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	30.00		33.53	2.10E+06	134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	30.00		34.02	2.38E+06	134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	30.00		34.49	3.66E+06	146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	30.00		34.89	3.59E+06	146.00	148.00	0.4	
55)	N-BUTYLBENZENE	30.00		35.53	2.27E+06	134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	20.00	*SMC	36.17	3.01E+05	152.00	150.00	0.4	100.0
57)	1,2 DICHLOROBENZENE	30.00		36.28	3.21E+06	146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	30.00		38.72	1.26E+05	75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	30.00		40.81	2.62E+06	179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	30.00		41.09	1.71E+06	224.80	226.80	0.4	
61)	NAPHTHALENE	30.00		41.52	3.30E+06	128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	30.00		42.13	2.20E+06	179.90	181.90	1.0	
63)	MTBE	59.44		10.19	4.63E+06	73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON#32558
Date Received: 5/11/05
Date Analyzed: 05/16/05 15:16
ID: AGILENT TECHNOLOGIES,5973N,0,3.01.57

Field Sample Name: MB
Lab Data File Name: 05160552.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	FLUOROBENZENE	20.00	*ISTD	16.47	3.25E+06	96.00	70.00	0.4
2)	DICHLORODIFLUOROMETHAN	ND				85.00	87.00	0.4
3)	CHLOROMETHANE	ND				50.00	52.00	0.4
4)	VINYL CHLORIDE	ND				62.00	64.00	0.4
5)	BROMOMETHANE	ND				94.00	95.90	0.4
6)	CHLOROETHANE	ND				64.00	66.00	0.4
7)	TRICHLOROFLUOROMETHAN	ND				100.90	102.90	0.4
8)	1,1 DICHLOROETHENE	ND				96.00	61.00	0.4
9)	METHYLENE CHLORIDE	ND				84.00	49.00	0.4
10)	trans-1,2-DICHLOROETHENE	ND				96.00	61.00	0.4
11)	1,1 DICHLOROETHANE	ND				63.00	65.00	0.4
12)	2,2 DICHLOROPROPANE	ND				77.00	96.90	0.4
13)	cis-1,2-DICHLOROETHENE	ND				96.00	98.00	0.4
14)	CHLOROFORM	ND				82.90	84.90	0.4
15)	BROMOCHLOROMETHANE	ND				127.90	129.90	0.4
16)	1,1,1 TRICHLOROETHANE	ND				97.00	99.00	0.4
17)	1,1 DICHLOROPROPENE	ND				75.00	110.00	0.4
18)	CARBON TETRACHLORIDE	ND				116.90	118.90	0.4
19)	BENZENE	ND				77.10	78.10	0.4
20)	1,2 DICHLOROETHANE	ND				62.00	98.00	0.4
21)	TRICHLOROETHENE	ND				94.90	129.90	0.4
22)	1,2 DICHLOROPROPANE	ND				63.00	76.00	0.4
23)	BROMODICHLOROMETHANE	ND				82.90	84.90	0.4
24)	DIBROMOMETHANE	ND				92.90	94.90	0.4
25)	cis-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
26)	TOLUENE	ND				92.10	91.10	0.4
27)	trans-1,3-DICHLOROPROPENE	ND				75.00	110.00	0.4
28)	1,1,2 TRICHLOROETHANE	ND				82.90	84.90	0.4
29)	1,3 DICHLOROPROPANE	ND				76.00	78.00	0.4
30)	TETRACHLOROETHENE	ND				165.90	128.90	0.4
31)	DIBROMOCHLOROMETHANE	ND				128.90	126.90	0.4
32)	1,2 DIBROMOETHANE	ND				106.90	108.90	0.4
33)	ETHYLBENZENE	ND				106.10	91.10	0.4
34)	CHLOROBENZENE	ND				112.00	77.00	0.4
35)	1,1,1,2 TETRACHLOROETHAN	ND				130.90	132.90	0.4
36)	M,P-XYLENE	ND				106.10	91.10	0.4
37)	O-XYLENE	ND				106.10	91.10	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	STYRENE	ND				104.10	78.00	0.4	
39)	ISOPROPYLBENZENE	ND				120.10	105.10	0.4	
40)	BROMOFORM	ND				172.90	174.80	0.4	
41)	1,1,2,2 TETRACHLOROETHAN	ND				82.90	84.90	0.4	
42)	4-BROMOFLUOROBENZENE	18.97	*SMC	30.48	1.10E+06	95.00	173.90	0.4	94.9
43)	1,2,3 TRICHLOROPROPANE	ND				110.00	112.00	2.0	
44)	N-PROPYLBENZENE	ND				120.10	91.10	0.4	
45)	BROMOBENZENE	ND				156.00	158.00	0.4	
46)	1,3,5 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
47)	2-CHLOROTOLUENE	ND				91.10	126.00	0.4	
48)	4-CHLOROTOLUENE	ND				91.10	126.00	0.4	
49)	tert-BUTYLBENZENE	ND				119.10	91.10	0.4	
50)	1,2,4 TRIMETHYLBENZENE	ND				120.10	105.10	0.4	
51)	sec-BUTYLBENZENE	ND				134.10	105.10	0.4	
52)	4-ISOPROPYLTOLUENE	ND				134.10	119.10	0.4	
53)	1,3 DICHLOROBENZENE	ND				146.00	148.00	0.4	
54)	1,4 DICHLOROBENZENE	ND				146.00	148.00	0.4	
55)	N-BUTYLBENZENE	ND				134.10	91.10	0.4	
56)	1,4-DICHLOROBENZENE-d4	17.79	*SMC	36.18	2.59E+05	152.00	150.00	0.4	89.0
57)	1,2 DICHLOROBENZENE	ND				146.00	148.00	0.4	
58)	1,2-DIBROMO-3-CHLOROPROI	ND				75.00	154.90	2.0	
59)	1,2,4 TRICHLOROBENZENE	ND				179.90	181.90	0.4	
60)	HEXACHLOROBUTADIENE	ND				224.80	226.80	0.4	
61)	NAPHTHALENE	ND				128.10	0.00	1.0	
62)	1,2,3 TRICHLOROBENZENE	ND				179.90	181.90	1.0	
63)	MTBE	ND				73.10	57.10	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

05/11/05

CHAIN OF CUSTODY

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL MEASUREMENTS AND SITE ASSESSMENT

SITE NAME	Exxon Service Station #32558		T050M60P	
SAMPLE NUMBER	**SAMPLE DATE**	**SAMPLE TIME**	**# OF BOTTLES**	**DESCRIPTION OF SAMPLE**
MW1D31	5/10/05	1537	3	MW water for VOCS
MW1D60		1542		
MW1D77		1546		
MW1D100		1549		
MW1D112		1553		
MW2D45		1849		
MW2D72		1854		
MW2D90		1859		
MW2D107		1903		
MW3D35		1450	2	
MW3D50		1458	3	
MW3D62		1505		
MW3D75		1510		
MW3D105		1518		
MW4D39		1730		
MW4D56		1734		
MW4D85		1739		
MW4D102		1743		
MW4D130		1748		
MW4D150		1752		
TB/FB			3	FOR DIFFERENT GLASSWARE
TB		NA		QA SAMPLE

PERSON ASSUMING RESPONSIBILITY FOR SAMPLES	PHONE #	DATE
Nick Sodano	6-4275	6/9/05

SAMPLE NUMBER	RELINQUISHED BY	RECEIVED BY	TIME	DATE	REASON FOR CHANGE
ALL ABOVE					

Date Received: _____

New Jersey Department of Environmental Protection
Division of Publicly Funded Site Remediation
Bureau of Environmental Measurements and Quality Assurance

INTER-DIVISIONAL WORK REQUEST

P/M. 5/9

To:

- ☐ Section Chief, Environmental Measurements and Site Assessment (584-4280)
- ☐ Section Chief, Quality Assurance Section (633-0752)
- ☐ Supervisor, Mobile Laboratory Program (371-3980)

From: Name: NICK SODANO Phone # 6-4275 Date of Request: 5/2/05

Division/Bureau: BEMSA Due Date: 5/9/05 CSL ID #_____

I. Site Project Information

Activity Code #: V68B

Funding Authorization #: PASI Job #: T050MG0P Remedial Phase SI

Site Name: EXXON STATION #32558 Address: 936 RTE 202

Site Manager/Case Manager: N SODANO Tech.Coordinator: NA

Site Manager Signature: _____ Section Chief Signature: _____

☐ routine ☐ high priority

II. Task Description

x Analysis by Mobile Lab

x Prepare Field and Trip Blanks (Type and Quantity) TRIP BLANK ONLY

III. Sampling Information

x Monitoring Wells ✓ QC Samples: Field Blank / Trip Blank / x ✓

Total Number of Samples 20 PLUS DUP & TRIP Analytical Parameters voc

BEMQA USE ONLY		
Supervisor Assigned:	Staff Person:	Date Assigned:
Routine:	High Priority:	Date Completed:

ATTACHMENT BBB

NS

NJDEP MOBILE ENVIRONMENTAL LABORATORY

FINAL REPORT

EXXON STATION #32558

936 RTE 202

BRANCHBURG

SOMERSET COUNTY, NJ

REPORT DATE: 8/18/2005

SAMPLE RECEIPT DATE: 8/11/2005

JOBCODE: T050MG0P

ANALYZED BY

KENNETH GLASSER

MOBILE LABORATORY PROGRAM MANAGER

1.0 INTRODUCTION

On 8/11/2005 monitoring well samples collected from Exxon Station #32558 were delivered to the NJDEP Mobile Laboratory for analysis. The samples were analyzed for EPA 524 Volatile Organic Compounds by Purge and Trap Capillary Column Gas Chromatography/Mass Spectrometry (GCMS).

2.0 PROCEDURES

2.1 Field Sampling Procedures

The sampling team led by Nick Sodano, collected aqueous samples in 40ml glass VOA vials. Sampling was conducted in accordance with the procedures specified in the NJDEPE Field Sampling Procedures Manual, May 1992 edition.
Aqueous samples were preserved with HCL and stored at 4°C until analysis.

2.2 Analytical Methods

Samples were analyzed by the following method:
Mobile Laboratory Method 524 - Measurement of Purgeable VOCs in Water by Capillary Column GC/MS.

3.0 REPORTING

3.1 INTERNAL STANDARDS AND SURROGATE SPIKES

Where indicated, Internal Standards (ISTD) and System Monitoring Compounds (SMC) have been added to the sample to check instrument performance and the analytical technique - They are not indicative of sample contamination. Various Continuing Calibration Standards were analyzed to verify GC/MS tune integrity.

3.2 Sample Dilutions

Individual compounds may have been tagged with an "E". This means they have exceeded the calibration range upper limit and should be evaluated using the diluted sample result if supplied. **Diluted results have been corrected using the dilution factor.**

3.3 NON CONFORMANCE SUMMARY

QAQC surrogate recovery requirements for 1,2–dichlorobenzene-d4 were waived in one sample sequence due to excessive temperature variations and severe heat conditions in the Mobilab.

Please direct questions or comments to Kenneth Glasser or Corey Lakin at the NJDEP Mobile Environmental Laboratory, Windsor Industrial Park, Bldg. 12, Windsor, NJ, 08561. Phone: 609-371-3981 or Fax: 609-371-3986.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/17/05 06:20
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: TB 8/9
Lab Data File Name: 08160533.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.27	1.90E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	ND				82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	19.47	*SMC	30.96	1.44E+06	TIC	173.95	0.4	97.4
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	22.88	*SMC	36.54	1.76E+06	TIC	149.90	0.4	114.4
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 01:45
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW1D31
Lab Data File Name: 08150528.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.24	1.39E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	2.49		14.54	2.16E+05	82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND			-	82.95	84.95	0.4	
42)	4-bromofluorobenzene	14.91	*SMC	30.96	8.81E+05	TIC	173.95	0.4	74.6
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.52	9.53E+05	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/15/05 23:46
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW1D60
Lab Data File Name: 08150526.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.23	1.38E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	2.44		14.55	2.10E+05	82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	14.15	*SMC	30.96	8.29E+05	TIC	173.95	0.4	70.8
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.52	1.02E+06	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/15/05 20:48
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW1D77
Lab Data File Name: 08150523.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.24	1.42E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	2.26		14.55	2.01E+05	82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	14.63	*SMC	30.97	8.85E+05	TIC	173.95	0.4	73.2
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.53	1.10E+06	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/15/05 22:47
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW1D100
Lab Data File Name: 08150525.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.23	1.36E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	0.32	J		9.87	1.34E+04	95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	ND					63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	1.51			14.55	1.28E+05	82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	61.09	E		22.10	6.78E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	15.10	*SMC	30.96	8.77E+05	TIC	173.95	0.4	75.5
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.52	1.00E+06	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
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"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 12:46
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW1D112
Lab Data File Name: 08150527.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.23	1.38E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	0.42			6.41	1.20E+04	50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	0.68			9.87	2.86E+04	95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	ND					63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	ND					82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	0.32	J		15.56	2.34E+04	96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	12.76			22.09	1.43E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	14.00	*SMC	30.95	8.20E+05	TIC	173.95	0.4	70.0
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.52	9.63E+05	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 20:25
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW2D45
Lab Data File Name: 08160523.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.26	2.13E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	2.63		14.57	3.76E+05	82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	16.39	*SMC	30.96	1.35E+06	TIC	173.95	0.4	81.9
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	18.95	*SMC	36.53	1.63E+06	TIC	149.90	0.4	94.8
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
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"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 22:24
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW2D72
Lab Data File Name: 08160525.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.25	1.97E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	ND					95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	0.51			12.68	7.23E+04	63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	1.42			14.56	1.88E+05	82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	43.59	E		22.12	7.50E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	19.26	*SMC	30.95	1.47E+06	TIC	173.95	0.4	96.3
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	22.27	*SMC	36.53	1.78E+06	TIC	149.90	0.4	111.4
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 23:24
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW2D90
Lab Data File Name: 08160526.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.26	1.96E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	1.11		14.58	1.46E+05	82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	5.27		22.13	9.02E+05	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	17.87	*SMC	30.96	1.36E+06	TIC	173.95	0.4	89.3
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	20.69	*SMC	36.53	1.64E+06	TIC	149.90	0.4	103.4
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 21:25
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW2D107
Lab Data File Name: 08160524.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.26	2.24E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	ND					95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	ND					63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	0.46			14.57	6.98E+04	82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	52.98	E		22.12	1.04E+07	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	16.58	*SMC	30.95	1.44E+06	TIC	173.95	0.4	82.9
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	18.35	*SMC	36.53	1.66E+06	TIC	149.90	0.4	91.7
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/17/05 02:22
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW3D35
Lab Data File Name: 08160529.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.27	1.89E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	0.22	J		5.81	1.23E+04	85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	ND					95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	ND					63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	1.23			14.58	1.56E+05	82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	ND					92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	19.20	*SMC	30.96	1.41E+06	TIC	173.95	0.4	96.0
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	22.63	*SMC	36.53	1.73E+06	TIC	149.90	0.4	113.1
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	0.26	J	11.23	1.72E+04	73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/17/05 12:23
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW3D50
Lab Data File Name: 08160527.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.27	2.11E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	1.14		14.58	1.62E+05	82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND					104.05	78.10	0.4	
39)	isopropylbenzene	ND					120.00	105.00	0.4	
40)	bromoform	ND					172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND					82.95	84.95	0.4	
42)	4-bromofluorobenzene	16.97		*SMC	30.96	1.39E+06	TIC	173.95	0.4	84.8
43)	1,2,3 trichloropropane	ND					110.00	112.00	2.0	
44)	n-propylbenzene	ND					120.00	91.00	0.4	
45)	bromobenzene	ND					155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND					120.00	105.00	0.4	
47)	2-chlorotoluene	ND					91.05	126.05	0.4	
48)	4-chlorotoluene	ND					91.15	126.05	0.4	
49)	tert-butylbenzene	ND					119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND					120.00	105.00	0.4	
51)	sec-butylbenzene	ND					134.00	105.00	0.4	
52)	4-isopropyltoluene	ND					134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND					145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND					145.95	147.95	0.4	
55)	n-butylbenzene	ND					134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	19.95		*SMC	36.54	1.70E+06	TIC	149.90	0.4	99.8
57)	1,2 dichlorobenzene	ND					145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND					75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND					180.00	182.00	0.4	
60)	hexachlorobutadiene	ND					224.90	226.90	0.4	
61)	naphthalene	ND					128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND					180.00	182.00	1.0	
63)	MTBE	0.26	J		11.21	1.91E+04	73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/17/05 01:23
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW3D62
Lab Data File Name: 08160528.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.26	2.19E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	ND					95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	ND					63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	ND					82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	60.50	E		22.13	1.15E+07	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	17.07	*SMC	30.95	1.45E+06	TIC	173.95	0.4	85.4
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	19.31	*SMC	36.53	1.70E+06	TIC	149.90	0.4	96.5
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
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"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/17/05 03:22
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW3D75
Lab Data File Name: 08160530.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.27	2.10E+06 TIC		69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	ND				82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	16.89	*SMC	30.96	1.37E+06	TIC	173.95	0.4	84.4
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	20.00	*SMC	36.54	1.69E+06	TIC	149.90	0.4	100.0
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

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"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/17/05 04:21
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW3D105
Lab Data File Name: 08160531.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.26	2.07E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	0.41		14.58	5.70E+04	82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	23.42		22.13	4.23E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	17.44	*SMC	30.96	1.40E+06	TIC	173.95	0.4	87.2
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	20.41	*SMC	36.54	1.71E+06	TIC	149.90	0.4	102.1
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	3.50		11.21	2.50E+05	73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

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"ND" = NOT DETECTED
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"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/15/05 21:47
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW4D39
Lab Data File Name: 08150524.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.24	1.45E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	ND					95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	ND					63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	0.41			14.55	3.67E+04	82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	110.66	E		22.11	1.30E+07	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	15.35	*SMC	30.94	9.44E+05	TIC	173.95	0.4	76.8
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.51	1.14E+06	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	185.92 E		11.17	1.08E+07	73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

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"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/18/05 01:27
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: 4D39 1/10
Lab Data File Name: 08170515.D
Sample Matrix: Aqueous Dilution=1/ 10
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.26	2.05E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	4.0
3)	chloromethane	ND				50.00	52.00	4.0
4)	vinyl chloride	ND				62.05	64.05	4.0
5)	bromomethane	ND				94.05	96.05	4.0
6)	chloroethane	ND				64.05	66.05	4.0
7)	trichlorofluoromethane	ND				100.95	102.95	4.0
8)	1,1 dichloroethene	ND				95.95	61.00	4.0
9)	methylene chloride	ND				83.95	49.00	4.0
10)	trans-1,2-dichloroethene	ND				95.95	61.00	4.0
11)	1,1 dichloroethane	ND				63.00	65.00	4.0
12)	2,2 dichloropropane	ND				77.00	96.95	4.0
13)	cis-1,2-dichloroethene	ND				95.95	97.95	4.0
14)	chloroform	ND				82.95	84.95	4.0
15)	bromochloromethane	ND				127.95	129.95	4.0
16)	1,1,1 trichloroethane	ND				96.95	99.00	4.0
17)	1,1 dichloropropene	ND				75.00	109.95	4.0
18)	carbon tetrachloride	ND				116.95	118.95	4.0
19)	benzene	ND				77.00	78.00	4.0
20)	1,2 dichloroethane	ND				62.00	98.05	4.0
21)	trichloroethene	ND				95.00	130.00	4.0
22)	1,2 dichloropropane	ND				63.00	76.00	4.0
23)	bromodichloromethane	ND				82.95	84.95	4.0
24)	dibromomethane	ND				93.00	95.00	4.0
25)	cis-1,3-dichloropropene	ND				75.00	109.95	4.0
26)	toluene	148.34		22.12	1.79E+06	92.00	91.00	4.0
27)	trans-1,3-dichloropropene	ND				75.00	109.95	4.0
28)	1,1,2 trichloroethane	ND				83.00	85.00	4.0
29)	1,3 dichloropropane	ND				76.00	78.00	4.0
30)	tetrachloroethene	ND				165.90	128.95	4.0
31)	dibromochloromethane	ND				129.00	127.00	4.0
32)	1,2 dibromoethane	ND				106.95	108.95	4.0
33)	ethylbenzene	ND				106.00	91.00	4.0
34)	chlorobenzene	ND				112.05	77.00	4.0
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	4.0
36)	m,p-xylene	ND				106.15	91.05	4.0
37)	o-xylene	ND				106.15	91.15	4.0

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	4.0	
39)	isopropylbenzene	ND				120.00	105.00	4.0	
40)	bromoform	ND				172.90	174.90	4.0	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	4.0	
42)	4-bromofluorobenzene	18.05	*SMC	30.95	1.08E+06	TIC	173.95	0.4	90.2
43)	1,2,3 trichloropropane	ND				110.00	112.00	20.0	
44)	n-propylbenzene	ND				120.00	91.00	4.0	
45)	bromobenzene	ND				155.95	157.95	4.0	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	4.0	
47)	2-chlorotoluene	ND				91.05	126.05	4.0	
48)	4-chlorotoluene	ND				91.15	126.05	4.0	
49)	tert-butylbenzene	ND				119.15	91.15	4.0	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	4.0	
51)	sec-butylbenzene	ND				134.00	105.00	4.0	
52)	4-isopropyltoluene	ND				134.00	119.00	4.0	
53)	1,3 dichlorobenzene	ND				145.95	147.95	4.0	
54)	1,4 dichlorobenzene	ND				145.95	147.95	4.0	
55)	n-butylbenzene	ND				134.00	91.00	4.0	
56)	1,2-dichlorobenzene-d4	20.35	*SMC	36.53	1.44E+06	TIC	149.90	0.4	101.8
57)	1,2 dichlorobenzene	ND				145.95	147.95	4.0	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	20.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	4.0	
60)	hexachlorobutadiene	ND				224.90	226.90	4.0	
61)	naphthalene	ND				128.05	0.00	10.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	10.0	
63)	MTBE	365.56		11.19	1.72E+06	73.10	57.05	20.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 05:43
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW4D56
Lab Data File Name: 08150532.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.24	1.38E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	ND					95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	0.76			12.67	6.71E+04	63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	0.37	J		14.54	3.18E+04	82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	2.97			22.11	3.32E+05	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	0.23	J		24.16	1.14E+04	165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	14.62	*SMC	30.96	8.56E+05	TIC	173.95	0.4	73.1
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.52	1.04E+06	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	3.51		11.17	1.94E+05	73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

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"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT. USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/18/05 03:26
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: 4D85
Lab Data File Name: 08170517.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.26	2.10E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	ND				82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	4.40		22.12	5.42E+05	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	17.65	*SMC	30.95	1.08E+06	TIC	173.95	0.4	88.2
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	18.57	*SMC	36.53	1.34E+06	TIC	149.90	0.4	92.8
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
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"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 03:44
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW4D102
Lab Data File Name: 08150530.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.25	1.36E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	ND					95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	ND					63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	0.34	J		14.55	2.89E+04	82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	0.29	J		22.11	3.26E+04	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	15.01	*SMC	30.96	8.72E+05	TIC	173.95	0.4	75.1
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.52	9.80E+05	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/18/05 04:26
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: 4D130
Lab Data File Name: 08170518.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.26	2.04E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	0.36	J	14.57	3.63E+04	82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	41.40	E	22.12	4.96E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	15.88	*SMC	30.95	9.46E+05	TIC	173.95	0.4	79.4
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	15.94	*SMC	36.53	1.12E+06	TIC	149.90	0.4	79.7
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/17/05 05:21
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MW4D150
Lab Data File Name: 08160532.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*		Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00		*ISTD	17.27	2.09E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND					85.05	87.05	0.4
3)	chloromethane	ND					50.00	52.00	0.4
4)	vinyl chloride	ND					62.05	64.05	0.4
5)	bromomethane	ND					94.05	96.05	0.4
6)	chloroethane	ND					64.05	66.05	0.4
7)	trichlorofluoromethane	ND					100.95	102.95	0.4
8)	1,1 dichloroethene	0.26	J		9.89	1.92E+04	95.95	61.00	0.4
9)	methylene chloride	ND					83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND					95.95	61.00	0.4
11)	1,1 dichloroethane	ND					63.00	65.00	0.4
12)	2,2 dichloropropane	ND					77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND					95.95	97.95	0.4
14)	chloroform	ND					82.95	84.95	0.4
15)	bromochloromethane	ND					127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND					96.95	99.00	0.4
17)	1,1 dichloropropene	ND					75.00	109.95	0.4
18)	carbon tetrachloride	ND					116.95	118.95	0.4
19)	benzene	ND					77.00	78.00	0.4
20)	1,2 dichloroethane	ND					62.00	98.05	0.4
21)	trichloroethene	ND					95.00	130.00	0.4
22)	1,2 dichloropropane	ND					63.00	76.00	0.4
23)	bromodichloromethane	ND					82.95	84.95	0.4
24)	dibromomethane	ND					93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND					75.00	109.95	0.4
26)	toluene	10.85			22.13	1.97E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND					75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND					83.00	85.00	0.4
29)	1,3 dichloropropane	ND					76.00	78.00	0.4
30)	tetrachloroethene	ND					165.90	128.95	0.4
31)	dibromochloromethane	ND					129.00	127.00	0.4
32)	1,2 dibromoethane	ND					106.95	108.95	0.4
33)	ethylbenzene	ND					106.00	91.00	0.4
34)	chlorobenzene	ND					112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND					130.95	132.95	0.4
36)	m,p-xylene	ND					106.15	91.05	0.4
37)	o-xylene	ND					106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	16.29	*SMC	30.97	1.32E+06	TIC	173.95	0.4	81.4
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	19.26	*SMC	36.54	1.62E+06	TIC	149.90	0.4	96.3
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/15/05 17:49
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: 30 PPB 524
Lab Data File Name: 08150520.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.25	1.55E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	30.00		5.80	1.27E+06	85.05	87.05	0.4
3)	chloromethane	30.00		6.42	9.52E+05	50.00	52.00	0.4
4)	vinyl chloride	30.00		6.68	9.41E+05	62.05	64.05	0.4
5)	bromomethane	30.00		7.77	1.11E+06	94.05	96.05	0.4
6)	chloroethane	30.00		7.90	1.07E+06	64.05	66.05	0.4
7)	trichlorofluoromethane	30.00		8.45	2.59E+06	100.95	102.95	0.4
8)	1,1 dichloroethene	30.00		9.89	1.42E+06	95.95	61.00	0.4
9)	methylene chloride	30.00		11.01	1.40E+06	83.95	49.00	0.4
10)	trans-1,2-dichloroethene	30.00		11.65	1.66E+06	95.95	61.00	0.4
11)	1,1 dichloroethane	30.00		12.67	2.98E+06	63.00	65.00	0.4
12)	2,2 dichloropropane	30.00		14.02	2.36E+06	77.00	96.95	0.4
13)	cis-1,2-dichloroethene	30.00		14.19	1.68E+06	95.95	97.95	0.4
14)	chloroform	30.00		14.57	2.89E+06	82.95	84.95	0.4
15)	bromochloromethane	30.00		15.07	5.86E+05	127.95	129.95	0.4
16)	1,1,1 trichloroethane	30.00		15.58	2.47E+06	96.95	99.00	0.4
17)	1,1 dichloropropene	30.00		15.97	2.48E+06	75.00	109.95	0.4
18)	carbon tetrachloride	30.00		16.27	2.16E+06	116.95	118.95	0.4
19)	benzene	30.00		16.77	1.51E+06	77.00	78.00	0.4
20)	1,2 dichloroethane	30.00		16.69	1.53E+06	62.00	98.05	0.4
21)	trichloroethene	30.00		18.35	1.81E+06	95.00	130.00	0.4
22)	1,2 dichloropropane	30.00		18.88	1.40E+06	63.00	76.00	0.4
23)	bromodichloromethane	30.00		19.61	1.84E+06	82.95	84.95	0.4
24)	dibromomethane	30.00		19.84	5.75E+05	93.00	95.00	0.4
25)	cis-1,3-dichloropropene	30.00		21.11	1.90E+06	75.00	109.95	0.4
26)	toluene	30.00		22.11	3.77E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	30.00		22.62	1.44E+06	75.00	109.95	0.4
28)	1,1,2 trichloroethane	30.00		23.16	6.31E+05	83.00	85.00	0.4
29)	1,3 dichloropropane	30.00		23.97	1.36E+06	76.00	78.00	0.4
30)	tetrachloroethene	30.00		24.16	1.68E+06	165.90	128.95	0.4
31)	dibromochloromethane	30.00		24.96	9.86E+05	129.00	127.00	0.4
32)	1,2 dibromoethane	30.00		25.63	7.21E+05	106.95	108.95	0.4
33)	ethylbenzene	30.00		26.99	2.08E+06	106.00	91.00	0.4
34)	chlorobenzene	30.00		26.93	3.73E+06	112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	30.00		27.01	1.23E+06	130.95	132.95	0.4
36)	m,p-xylene	60.00		27.23	5.07E+06	106.15	91.05	0.4
37)	o-xylene	30.00		28.77	2.51E+06	106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	30.00		28.91	3.82E+06	104.05	78.10	0.4	
39)	isopropylbenzene	30.00		29.95	1.86E+06	120.00	105.00	0.4	
40)	bromoform	30.00		30.29	4.90E+05	172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	30.00		30.64	6.61E+05	82.95	84.95	0.4	
42)	4-bromofluorobenzene	20.00	*SMC	30.95	1.32E+06	TIC	173.95	0.4	100.0
43)	1,2,3 trichloropropane	30.00		31.18	2.04E+05	110.00	112.00	2.0	
44)	n-propylbenzene	30.00		31.36	1.91E+06	120.00	91.00	0.4	
45)	bromobenzene	30.00		31.71	1.45E+06	155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	30.00		31.91	2.72E+06	120.00	105.00	0.4	
47)	2-chlorotoluene	30.00		32.11	5.38E+06	91.05	126.05	0.4	
48)	4-chlorotoluene	30.00		32.25	5.16E+06	91.15	126.05	0.4	
49)	tert-butylbenzene	30.00		33.18	4.92E+06	119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	30.00		33.35	2.29E+06	120.00	105.00	0.4	
51)	sec-butylbenzene	30.00		33.94	1.33E+06	134.00	105.00	0.4	
52)	4-isopropyltoluene	30.01		34.42	1.42E+06	134.00	119.00	0.4	
53)	1,3 dichlorobenzene	30.00		34.92	2.93E+06	145.95	147.95	0.4	
54)	1,4 dichlorobenzene	29.98		35.31	2.77E+06	145.95	147.95	0.4	
55)	n-butylbenzene	30.00		35.90	1.11E+06	134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.52	1.63E+06	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	30.00		36.60	2.39E+06	145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	30.00		38.71	1.05E+05	75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	30.00		40.89	1.08E+06	180.00	182.00	0.4	
60)	hexachlorobutadiene	30.00		41.17	8.28E+05	224.90	226.90	0.4	
61)	naphthalene	30.00		41.67	1.02E+06	128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	30.00		42.30	8.56E+05	180.00	182.00	1.0	
63)	MTBE	60.00		11.18	3.74E+06	73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/15/05 19:48
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MB
Lab Data File Name: 08150522.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.25	1.52E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	0.41		8.44	3.46E+04	100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	ND				82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	13.90	*SMC	30.96	9.01E+05	TIC	173.95	0.4	69.5
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	-	*SMC	36.53	9.97E+05	TIC	149.90	0.4	-
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/16/05 17:27
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: 30 PPB 524
Lab Data File Name: 08160520.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.26	2.32E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	30.00		5.82	2.06E+06	85.05	87.05	0.4
3)	chloromethane	30.00		6.42	1.68E+06	50.00	52.00	0.4
4)	vinyl chloride	30.00		6.69	1.54E+06	62.05	64.05	0.4
5)	bromomethane	30.00		7.78	1.82E+06	94.05	96.05	0.4
6)	chloroethane	30.00		7.92	1.90E+06	64.05	66.05	0.4
7)	trichlorofluoromethane	30.00		8.46	4.23E+06	100.95	102.95	0.4
8)	1,1 dichloroethene	30.00		9.90	2.44E+06	95.95	61.00	0.4
9)	methylene chloride	30.00		11.02	2.27E+06	83.95	49.00	0.4
10)	trans-1,2-dichloroethene	30.00		11.67	2.84E+06	95.95	61.00	0.4
11)	1,1 dichloroethane	30.00		12.68	5.03E+06	63.00	65.00	0.4
12)	2,2 dichloropropane	30.00		14.02	4.18E+06	77.00	96.95	0.4
13)	cis-1,2-dichloroethene	30.00		14.19	2.73E+06	95.95	97.95	0.4
14)	chloroform	30.00		14.57	4.66E+06	82.95	84.95	0.4
15)	bromochloromethane	30.00		15.07	8.87E+05	127.95	129.95	0.4
16)	1,1,1 trichloroethane	30.00		15.59	4.07E+06	96.95	99.00	0.4
17)	1,1 dichloropropene	30.00		15.97	4.27E+06	75.00	109.95	0.4
18)	carbon tetrachloride	30.00		16.29	3.61E+06	116.95	118.95	0.4
19)	benzene	30.00		16.78	2.52E+06	77.00	78.00	0.4
20)	1,2 dichloroethane	30.00		16.70	2.16E+06	62.00	98.05	0.4
21)	trichloroethene	30.00		18.37	2.87E+06	95.00	130.00	0.4
22)	1,2 dichloropropane	30.00		18.88	2.19E+06	63.00	76.00	0.4
23)	bromodichloromethane	30.00		19.61	2.71E+06	82.95	84.95	0.4
24)	dibromomethane	30.00		19.85	8.02E+05	93.00	95.00	0.4
25)	cis-1,3-dichloropropene	30.00		21.11	2.89E+06	75.00	109.95	0.4
26)	toluene	30.00		22.11	6.06E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	30.00		22.62	2.06E+06	75.00	109.95	0.4
28)	1,1,2 trichloroethane	30.00		23.17	9.00E+05	83.00	85.00	0.4
29)	1,3 dichloropropane	30.00		23.97	1.92E+06	76.00	78.00	0.4
30)	tetrachloroethene	30.00		24.16	2.74E+06	165.90	128.95	0.4
31)	dibromochloromethane	30.00		24.97	1.37E+06	129.00	127.00	0.4
32)	1,2 dibromoethane	30.00		25.64	1.00E+06	106.95	108.95	0.4
33)	ethylbenzene	30.00		27.00	3.27E+06	106.00	91.00	0.4
34)	chlorobenzene	30.00		26.94	5.63E+06	112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	30.00		27.03	1.77E+06	130.95	132.95	0.4
36)	m,p-xylene	60.00		27.24	7.83E+06	106.15	91.05	0.4
37)	o-xylene	30.00		28.78	3.94E+06	106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	30.00		28.92	5.92E+06	104.05	78.10	0.4	
39)	isopropylbenzene	30.00		29.95	2.90E+06	120.00	105.00	0.4	
40)	bromoform	30.00		30.30	6.60E+05	172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	30.00		30.65	1.01E+06	82.95	84.95	0.4	
42)	4-bromofluorobenzene	20.00	*SMC	30.95	1.80E+06	TIC	173.95	0.4	100.0
43)	1,2,3 trichloropropane	30.00		31.19	2.64E+05	110.00	112.00	2.0	
44)	n-propylbenzene	30.00		31.36	3.01E+06	120.00	91.00	0.4	
45)	bromobenzene	30.00		31.72	2.07E+06	155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	30.00		31.91	4.38E+06	120.00	105.00	0.4	
47)	2-chlorotoluene	30.00		32.11	8.20E+06	91.05	126.05	0.4	
48)	4-chlorotoluene	30.00		32.26	7.83E+06	91.15	126.05	0.4	
49)	tert-butylbenzene	30.00		33.18	7.73E+06	119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	30.00		33.35	3.85E+06	120.00	105.00	0.4	
51)	sec-butylbenzene	30.00		33.94	2.15E+06	134.00	105.00	0.4	
52)	4-isopropyltoluene	30.00		34.42	2.45E+06	134.00	119.00	0.4	
53)	1,3 dichlorobenzene	30.00		34.93	4.24E+06	145.95	147.95	0.4	
54)	1,4 dichlorobenzene	30.00		35.32	3.92E+06	145.95	147.95	0.4	
55)	n-butylbenzene	30.00		35.90	1.96E+06	134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	20.00	*SMC	36.53	1.87E+06	TIC	149.90	0.4	100.0
57)	1,2 dichlorobenzene	30.00		36.61	2.92E+06	145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	30.00		38.72	1.13E+05	75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	30.00		40.90	1.59E+06	180.00	182.00	0.4	
60)	hexachlorobutadiene	30.00		41.17	1.25E+06	224.90	226.90	0.4	
61)	naphthalene	30.00		41.68	1.15E+06	128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	30.00		42.31	1.19E+06	180.00	182.00	1.0	
63)	MTBE	60.00		11.20	4.80E+06	73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

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"ND" = NOT DETECTED
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"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558 Field Sample Name: MB
Date Received: 8/11/05 Lab Data File Name: 08160522.D
Date Analyzed: 08/16/05 19:26 Sample Matrix: Aqueous Dilution=1/ 1
ID: HEWLETT-PACKARD,5970E,0,2.03.39 Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.27	2.19E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	ND				82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	16.87	*SMC	30.96	1.43E+06	TIC	173.95	0.4	84.4
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	19.19	*SMC	36.53	1.69E+06	TIC	149.90	0.4	96.0
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator KGLASSER

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/17/05 22:29
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: 524+ 30 60
Lab Data File Name: 08170512.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.27	1.98E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	30.00		5.81	1.43E+06	85.05	87.05	0.4
3)	chloromethane	30.00		6.42	1.23E+06	50.00	52.00	0.4
4)	vinyl chloride	30.00		6.69	1.27E+06	62.05	64.05	0.4
5)	bromomethane	30.00		7.77	9.90E+05	94.05	96.05	0.4
6)	chloroethane	30.00		7.91	1.19E+06	64.05	66.05	0.4
7)	trichlorofluoromethane	30.00		8.46	2.73E+06	100.95	102.95	0.4
8)	1,1 dichloroethene	30.00		9.91	1.50E+06	95.95	61.00	0.4
9)	methylene chloride	30.00		11.02	1.38E+06	83.95	49.00	0.4
10)	trans-1,2-dichloroethene	30.00		11.67	1.76E+06	95.95	61.00	0.4
11)	1,1 dichloroethane	30.00		12.70	3.10E+06	63.00	65.00	0.4
12)	2,2 dichloropropane	30.00		14.03	2.46E+06	77.00	96.95	0.4
13)	cis-1,2-dichloroethene	30.00		14.19	1.66E+06	95.95	97.95	0.4
14)	chloroform	30.00		14.57	2.91E+06	82.95	84.95	0.4
15)	bromochloromethane	30.00		15.07	4.81E+05	127.95	129.95	0.4
16)	1,1,1 trichloroethane	30.00		15.60	2.45E+06	96.95	99.00	0.4
17)	1,1 dichloropropene	30.00		15.98	2.70E+06	75.00	109.95	0.4
18)	carbon tetrachloride	30.00		16.30	2.15E+06	116.95	118.95	0.4
19)	benzene	30.00		16.79	1.63E+06	77.00	78.00	0.4
20)	1,2 dichloroethane	30.00		16.71	1.42E+06	62.00	98.05	0.4
21)	trichloroethene	30.00		18.37	1.81E+06	95.00	130.00	0.4
22)	1,2 dichloropropane	30.00		18.90	1.37E+06	63.00	76.00	0.4
23)	bromodichloromethane	30.00		19.62	1.70E+06	82.95	84.95	0.4
24)	dibromomethane	30.00		19.87	4.89E+05	93.00	95.00	0.4
25)	cis-1,3-dichloropropene	30.00		21.13	1.76E+06	75.00	109.95	0.4
26)	toluene	30.00		22.13	3.48E+06	92.00	91.00	0.4
27)	trans-1,3-dichloropropene	30.00		22.64	1.12E+06	75.00	109.95	0.4
28)	1,1,2 trichloroethane	30.00		23.19	5.07E+05	83.00	85.00	0.4
29)	1,3 dichloropropane	30.00		23.99	1.07E+06	76.00	78.00	0.4
30)	tetrachloroethene	30.00		24.18	1.36E+06	165.90	128.95	0.4
31)	dibromochloromethane	30.00		24.98	6.85E+05	129.00	127.00	0.4
32)	1,2 dibromoethane	30.00		25.65	5.27E+05	106.95	108.95	0.4
33)	ethylbenzene	30.00		27.02	1.94E+06	106.00	91.00	0.4
34)	chlorobenzene	30.00		26.95	3.17E+06	112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	30.00		27.05	9.54E+05	130.95	132.95	0.4
36)	m,p-xylene	60.00		27.27	4.74E+06	106.15	91.05	0.4
37)	o-xylene	30.00		28.79	2.32E+06	106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	30.00		28.94	3.44E+06	104.05	78.10	0.4	
39)	isopropylbenzene	30.00		29.97	1.71E+06	120.00	105.00	0.4	
40)	bromoform	30.00		30.30	2.99E+05	172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	30.00		30.67	5.98E+05	82.95	84.95	0.4	
42)	4-bromofluorobenzene	20.00	*SMC	30.96	1.15E+06	TIC	173.95	0.4	100.0
43)	1,2,3 trichloropropane	30.00		31.21	1.46E+05	110.00	112.00	2.0	
44)	n-propylbenzene	30.00		31.39	1.81E+06	120.00	91.00	0.4	
45)	bromobenzene	30.00		31.73	1.09E+06	155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	30.00		31.92	2.65E+06	120.00	105.00	0.4	
47)	2-chlorotoluene	30.00		32.13	5.21E+06	91.05	126.05	0.4	
48)	4-chlorotoluene	30.00		32.27	4.93E+06	91.15	126.05	0.4	
49)	tert-butylbenzene	30.00		33.21	4.75E+06	119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	30.00		33.37	2.30E+06	120.00	105.00	0.4	
51)	sec-butylbenzene	30.00		33.96	1.30E+06	134.00	105.00	0.4	
52)	4-isopropyltoluene	30.01		34.44	1.46E+06	134.00	119.00	0.4	
53)	1,3 dichlorobenzene	30.00		34.95	2.41E+06	145.95	147.95	0.4	
54)	1,4 dichlorobenzene	30.00		35.34	2.22E+06	145.95	147.95	0.4	
55)	n-butylbenzene	30.00		35.92	1.24E+06	134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	20.00	*SMC	36.54	1.36E+06	TIC	149.90	0.4	100.0
57)	1,2 dichlorobenzene	30.00		36.63	1.86E+06	145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	30.00		38.75	7.89E+04	75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	30.00		40.92	7.66E+05	180.00	182.00	0.4	
60)	hexachlorobutadiene	30.00		41.19	7.00E+05	224.90	226.90	0.4	
61)	naphthalene	30.00		41.69	5.59E+05	128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	30.00		42.33	5.68E+05	180.00	182.00	1.0	
63)	MTBE	60.00		11.20	2.72E+06	73.10	57.05	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

NJDEP MOBILE LABORATORY ANALYTICAL RESULTS REPORT

LAB METHOD 524: Measurement Of Purgeable VOCS In Water By Capillary Column GC/MS

Site Name: EXXON STATION#32558
Date Received: 8/11/05
Date Analyzed: 08/18/05 12:28
ID: HEWLETT-PACKARD,5970E,0,2.03.39

Field Sample Name: MB
Lab Data File Name: 08170514.D
Sample Matrix: Aqueous Dilution=1/ 1
Instr ID "5970" GC Column: VOCOL 60m, .25mm ID, 1.5um film
Instr ID "5973N" GC Column: VOCOL 60m, .25mm ID, 1.5um film

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL
1)	fluorobenzene	20.00	*ISTD	17.26	2.00E+06	TIC	69.95	0.4
2)	dichlorodifluoromethane	ND				85.05	87.05	0.4
3)	chloromethane	ND				50.00	52.00	0.4
4)	vinyl chloride	ND				62.05	64.05	0.4
5)	bromomethane	ND				94.05	96.05	0.4
6)	chloroethane	ND				64.05	66.05	0.4
7)	trichlorofluoromethane	ND				100.95	102.95	0.4
8)	1,1 dichloroethene	ND				95.95	61.00	0.4
9)	methylene chloride	ND				83.95	49.00	0.4
10)	trans-1,2-dichloroethene	ND				95.95	61.00	0.4
11)	1,1 dichloroethane	ND				63.00	65.00	0.4
12)	2,2 dichloropropane	ND				77.00	96.95	0.4
13)	cis-1,2-dichloroethene	ND				95.95	97.95	0.4
14)	chloroform	ND				82.95	84.95	0.4
15)	bromochloromethane	ND				127.95	129.95	0.4
16)	1,1,1 trichloroethane	ND				96.95	99.00	0.4
17)	1,1 dichloropropene	ND				75.00	109.95	0.4
18)	carbon tetrachloride	ND				116.95	118.95	0.4
19)	benzene	ND				77.00	78.00	0.4
20)	1,2 dichloroethane	ND				62.00	98.05	0.4
21)	trichloroethene	ND				95.00	130.00	0.4
22)	1,2 dichloropropane	ND				63.00	76.00	0.4
23)	bromodichloromethane	ND				82.95	84.95	0.4
24)	dibromomethane	ND				93.00	95.00	0.4
25)	cis-1,3-dichloropropene	ND				75.00	109.95	0.4
26)	toluene	ND				92.00	91.00	0.4
27)	trans-1,3-dichloropropene	ND				75.00	109.95	0.4
28)	1,1,2 trichloroethane	ND				83.00	85.00	0.4
29)	1,3 dichloropropane	ND				76.00	78.00	0.4
30)	tetrachloroethene	ND				165.90	128.95	0.4
31)	dibromochloromethane	ND				129.00	127.00	0.4
32)	1,2 dibromoethane	ND				106.95	108.95	0.4
33)	ethylbenzene	ND				106.00	91.00	0.4
34)	chlorobenzene	ND				112.05	77.00	0.4
35)	1,1,1,2 tetrachloroethane	ND				130.95	132.95	0.4
36)	m,p-xylene	ND				106.15	91.05	0.4
37)	o-xylene	ND				106.15	91.15	0.4

#	Compound Name	Concentration PPB	*	Ret Time Minutes	Quantitation Response	Quant m/z	Qual m/z	MDL	SMC %Recov
38)	styrene	ND				104.05	78.10	0.4	
39)	isopropylbenzene	ND				120.00	105.00	0.4	
40)	bromoform	ND				172.90	174.90	0.4	
41)	1,1,2,2 tetrachloroethane	ND				82.95	84.95	0.4	
42)	4-bromofluorobenzene	17.41	*SMC	30.96	1.02E+06	TIC	173.95	0.4	87.0
43)	1,2,3 trichloropropane	ND				110.00	112.00	2.0	
44)	n-propylbenzene	ND				120.00	91.00	0.4	
45)	bromobenzene	ND				155.95	157.95	0.4	
46)	1,3,5 trimethylbenzene	ND				120.00	105.00	0.4	
47)	2-chlorotoluene	ND				91.05	126.05	0.4	
48)	4-chlorotoluene	ND				91.15	126.05	0.4	
49)	tert-butylbenzene	ND				119.15	91.15	0.4	
50)	1,2,4 trimethylbenzene	ND				120.00	105.00	0.4	
51)	sec-butylbenzene	ND				134.00	105.00	0.4	
52)	4-isopropyltoluene	ND				134.00	119.00	0.4	
53)	1,3 dichlorobenzene	ND				145.95	147.95	0.4	
54)	1,4 dichlorobenzene	ND				145.95	147.95	0.4	
55)	n-butylbenzene	ND				134.00	91.00	0.4	
56)	1,2-dichlorobenzene-d4	17.60	*SMC	36.53	1.21E+06	TIC	149.90	0.4	88.0
57)	1,2 dichlorobenzene	ND				145.95	147.95	0.4	
58)	1,2-dibromo-3-chloropropane	ND				75.00	154.95	2.0	
59)	1,2,4 trichlorobenzene	ND				180.00	182.00	0.4	
60)	hexachlorobutadiene	ND				224.90	226.90	0.4	
61)	naphthalene	ND				128.05	0.00	1.0	
62)	1,2,3 trichlorobenzene	ND				180.00	182.00	1.0	
63)	MTBE	ND				73.10	57.05	2.0	

GC/MS Operator CLAKIN

Mobile Laboratory Manager

* LEGEND:

"J" = <MDL
"ND" = NOT DETECTED
"B" = DETECTED IN BOTH SAMPLE & TRIP BLANK
"ISTD" = INTERNAL STANDARD
"SMC" = SYSTEM MONITORING COMPOUND

"E" = CONCENTRATION OF SPECIFIC COMPOUND EXCEEDED CALIBRATION RANGE UPPER LIMIT.
USE INDIVIDUAL RESULTS FROM DILUTED SAMPLES WHEN AVAILABLE.

Date Received: _____

New Jersey Department of Environmental Protection
Division of Publicly Funded Site Remediation
Bureau of Environmental Measurements and Quality Assurance

INTER-DIVISIONAL WORK REQUEST

AUG 9

To:

- ☐ Section Chief, Environmental Measurements and Site Assessment (584-4280)
- ☐ Section Chief, Quality Assurance Section (633-0752)
- ☐ Supervisor, Mobile Laboratory Program (371-3980)

From: Name: SODANO Phone # 6-4275 Date of Request: 7/28/05

Division/Bureau: BEMSA Due Date: 8/10/05 CSL ID # _____

I. Site Project Information

Activity Code #: V68B

Funding Authorization #: PASI Job #: T050MG0P Remedial Phase SI

Site Name: Exxon Station #32558 Address: 936 Rt 202

Site Manager/Case Manager: Nick Sodano

Site Manager Signature: _____ Section Chief Signature: _____

II. Task Description

☐ routine ☐ high priority

Analysis by Mobile Lab

☐ Prepare 1 Trip Blanks and bottles enough for 20 Monitor Wells– No Field Blank Necessary

III. Sampling Information

Monitoring Wells 20 Trip Blank 1

Total Number of Samples 21 Analytical Parameters VOC

BEMQA USE ONLY

Supervisor Assigned: Staff Person: Date Assigned:

Routine: High Priority: Date Completed:

I'd like to pick up shuttle + bottles ON 8-9-05

RCD 8/11/05

CHAIN OF CUSTODY

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL MEASUREMENTS AND SITE ASSESSMENT
ENVIRONMENTAL MEASUREMENTS AND SITE ASSESSMENT SECTION

SITE NAME Exxon Station 32558 Branchburg, Somerset County T050MG0P

SAMPLE NUMBER	SAMPLE DATE	SAMPLE TIME	# OF BOTTLES	DESCRIPTION OF SAMPLE
MW1D31	8-10-05	1510	3	MONITOR WELL WATER
MW1D60		1514		
MW1D77		1516		
MW1D100		1519		
MW1D112		1522		
MW2D45		0950		
MW2D72		0959		
MW2D90		1002		
MW2D107		1008		
MW3D 35		1334		
MW3D 50		1338		
MW3D 62		1340		
MW3D 75		1345		
MW3D105		1407		
MW4D 39		1158		
MW4D 56		1201		
MW4D 85		1205		
MW4D 102		1208		
MW4D 130		1212		
MW4D 150		1215		
TB	—	—		

PERSON ASSUMING RESPONSIBILITY FOR SAMPLES	PHONE #	DATE
Nick Sodano	6-4275	8-10-05

SAMPLE NUMBER	RELINQUISHED BY	RECEIVED BY	TIME	DATE	REASON FOR CHANGE
ALL	N Sodano	[illegible]	1020	8/11/05	TO LAB

ATTACHMENT CCC

Richard J. Codey
Acting Governor

State of New Jersey

Department of Environmental Protection
Site Remediation and Waste Management Program
Division of Remediation Support
Bureau of Environmental Measurements and Site Assessment
PO Box 407
Trenton, New Jersey 08625-0407
(609) 584-4280

Bradley M. Campbell
Commissioner

MEMORANDUM

To: David Nickerson,
Southern Bureau of Case Management

From: Nick Sodano, HSMS1
Bureau of Environmental Measurements and Site Assessment

Re: MTBE at Exxon Service Station #32558, Branchburg, Somerset County

Date: August 22, 2005

As discussed last week, MTBE has been discovered and confirmed in a monitor well cluster "4D" which is down dip to Exxon's UST field. In the past, ground water contour maps produced by Exxon for this site indicated that the location MW4D is downgradient of the UST field. We have not yet created contour maps for this site, but we are operating under the assumption that Exxon's old contour maps are accurate.

This site contains four 120 to 160 foot deep borings which were fitted with the ported FLUTe system. The FLUTe system acts much like a packered well, giving many discreet sample intervals with depth. The upgradient wells in this case are considered to be MW1D and MW2D and the downgradient wells are MW3D and MW4D. Please see the attached map. Our first round of sampling at these wells was on May 10, 2005 and the second round was on August 10, 2005 (attached). Both rounds have showed the presence of MTBE in MW4D at concentrations exceeding 300 parts per billion. You will notice that benzene, ethyl-benzene and xylenes are not present but that toluene is present. Please disregard the toluene as it is a known artifact of the FLUTe system. My interpretation of this data is that our wells did not detect BTEX compounds but did detect MTBE.

I have discussed this scenario with Phil Chang of GES and instructed him to call the MTBE contamination into the hot line. He stated that he would contact John Hannig of Exxon and discuss it with him. They have not provided me with a discharge report.

Our office does not regulate fuel discharges from USTs. I am informing you of this matter so that you and your supervisors may take action as you deem appropriate.

New Jersey is an Equal Opportunity Employer
Recycled Paper

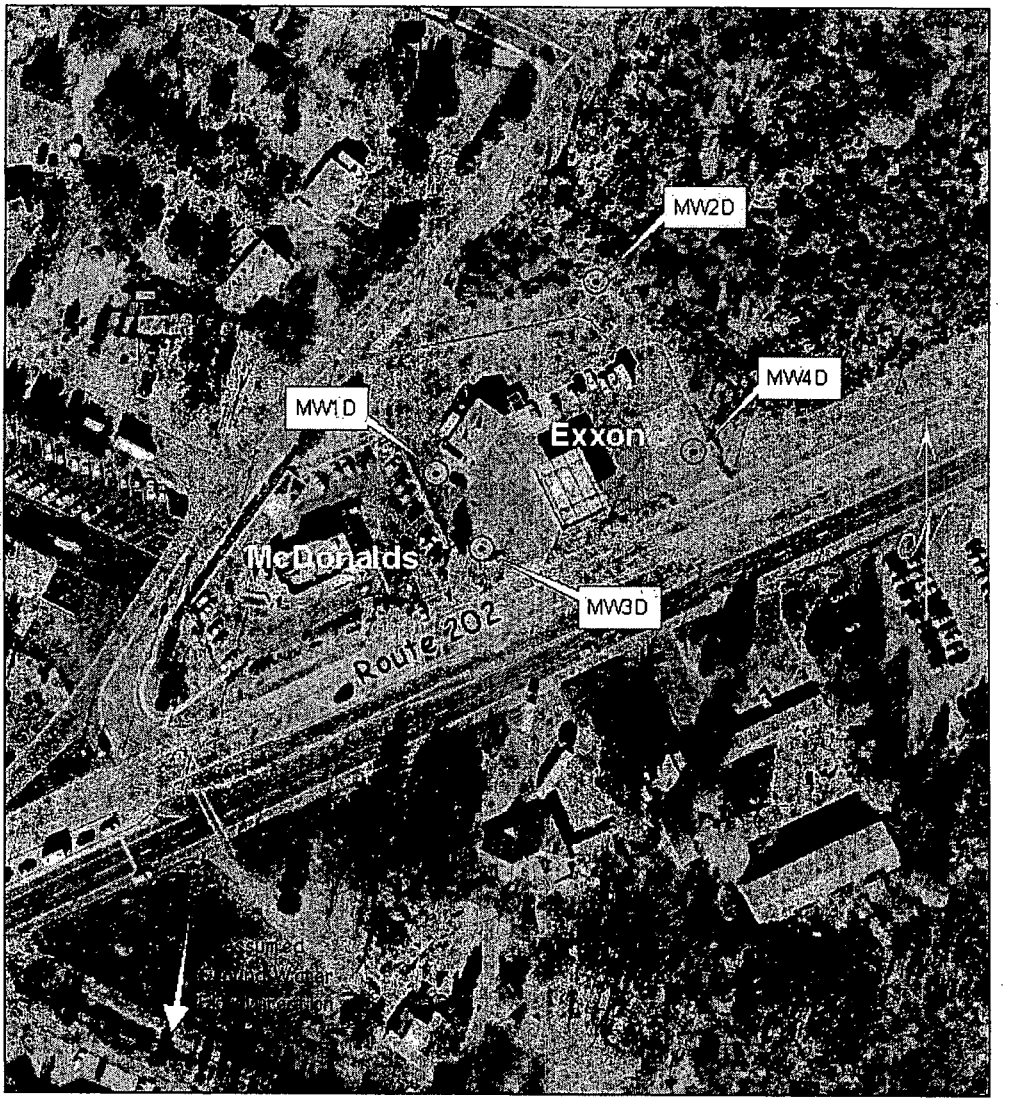
From: Nick Sodano
To: Nickerson, Dave
Date: 8/22/2005 2:57:56 PM
Subject: Map and mistake

I forgot to include the map into the transmittle I've sent to you. It is attached for your viewing.
Also, I mistakenly stated that MTBE was above 300 ppb in both rounds. It was at 140 ppb the first round in May and at 365 the second round in August 2005.

Thanks,

Nick Sodano
Bureau of Environmental Measurements & Site Assessment
nick.sodano@dep.state.nj.us
Ph: 609-584-4275
Fax: 609-584-4298

Exxon Service Station #32558
Branchburg, New Jersey
May 10, 2005 Monitor Well Sampling



Feet
0 75 150 300

ATTACHMENT DDD

From: "Tan-Yueh Chang" <TChang@gesonline.com>
To: "I-ExxonMobil: John Hannig" <john.e.hannig@exxonmobil.com>
Date: 8/26/2005 5:09:50 PM
Subject: Exxon Branchburg 3-2558: Incident #05-08-26-1656-59-28

John,

Per your approval, NJ Hotline was notified and incident #05-08-26-1656-59-28 was assigned to Exxon Branchburg #3-2558 due to the detection of MTBE/petroleum hydrocarbon in groundwater.

Philip Chang
(732) 919-0100 Ext. 173
Fax (732) 919-0916
tchang@gesonline.com

-----Original Message-----
From: Nick Sodano [mailto:Nick.Sodano@dep.state.nj.us]
Sent: Monday, August 22, 2005 4:54 PM
To: I-ExxonMobil: John Hannig; Tan-Yueh Chang
Cc: Dave Nickerson
Subject: Exxon 3-2558

Gentlemen: Please see my instructions from dave nickerson of So. Bur. Case Managment with respect to Exxon 32558. Please call in the MTBE release, get an incident number and notify us.

Thanks,

Nick Sodano
Bureau of Environmental Measurements & Site Assessment
nick.sodano@dep.state.nj.us
Ph: 609-584-4275
Fax: 609-584-4298

>>> Dave Nickerson 08/22 3:35 PM >>>
Nick, please have the consultant call the release into the hotline.
Thanks, Dave.

>>> Nick Sodano 8/22/2005 2:57 PM >>>
I forgot to include the map into the transmittal I've sent to you. It is attached for your viewing.
Also, I mistakenly stated that MTBE was above 300 ppb in both rounds. It was at 140 ppb the first round in May and at 365 the second round in August 2005.

Thanks,

Nick Sodano
Bureau of Environmental Measurements & Site Assessment
nick.sodano@dep.state.nj.us
Ph: 609-584-4275

ATTACHMENT EEE

From: "Tan-Yueh Chang" <TChang@gesonline.com>
To: "Nick Sodano" <Nick.Sodano@dep.state.nj.us>
Date: 6/6/2005 4:15:07 PM
Subject: Exxon Branchburg 3-2558: Initial GW sampling results

Nick,

Attached is a laboratory EDS file for the May 10, 2005 groundwater sampling event. Bromodichloromethane (0.32J mg/L) at MW3D-5 and MTBE (171 mg/L) at MW4D-1 were above GWQS of 0.3 and 70 mg/L, respectively. All other targeted compounds were detected below GWQS or method detection limits.
<<N98672N.TXT>>
What are your results?

Thanks,

Tan-yueh "Philip" Chang
Sr. Hydrogeologist/Project Manager
Groundwater & Environmental Services, Inc.
1340 Campus Parkway
Neptune, Wall Township, New Jersey 07753
(732) 919-0100 Ext. 173
Fax (732) 919-0916
tchang@gesonline.com
www.gesonline.com

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Groundwater and Environmental Services, Inc. WWW.GESONLINE.COM or email: info@gesonline.com.

CC: "I-ExxonMobil: John Hannig" <john.e.hannig@exxonmobil.com>

FB	Acetone	0 ppb
FB	Benzene	0 ppb
FB	Bromodichloromethane	0 ppb
FB	Bromoform	0 ppb
FB	Bromomethane	0 ppb
FB	2-Butanone (MEK)	0 ppb
FB	Carbon disulfide	0 ppb
FB	Carbon tetrachloride	0 ppb
FB	Chlorobenzene	0 ppb
FB	Chloroethane	0 ppb
FB	Chloroform	0 ppb
FB	Chloromethane	0 ppb
FB	Dibromochloromethane	0 ppb
FB	1,1-Dichloroethane	0 ppb
FB	1,2-Dichloroethane	0 ppb
FB	1,1-Dichloroethene	0 ppb
FB	cis-1,2-Dichloroethene	0 ppb
FB	trans-1,2-Dichloroethene	0 ppb
FB	1,2-Dichloropropane	0 ppb
FB	cis-1,3-Dichloropropene	0 ppb
FB	trans-1,3-Dichloropropen	0 ppb
FB	Ethylbenzene	0 ppb
FB	2-Hexanone	0 ppb
FB	Methyl Tert Butyl Ether	0 ppb
FB	4-Methyl-2-pentanone(MI	0 ppb
FB	Methylene chloride	0 ppb
FB	Styrene	0 ppb
FB	Tertiary Butyl Alcohol	0 ppb
FB	1,1,2,2-Tetrachloroethan	0 ppb
FB	Tetrachloroethene	0 ppb
FB	Toluene	0 ppb
FB	1,1,1-Trichloroethane	0 ppb
FB	1,1,2-Trichloroethane	0 ppb
FB	Trichloroethene	0 ppb
FB	Vinyl chloride	0 ppb
FB	Xylenes (total)	0 ppb
FB	Total TIC, Volatile	0 ppb
MW1D-1	Acetone	0 ppb
MW1D-1	Benzene	0 ppb
MW1D-1	Bromodichloromethane	0 ppb
MW1D-1	Bromoform	0 ppb
MW1D-1	Bromomethane	0 ppb
MW1D-1	2-Butanone (MEK)	0 ppb
MW1D-1	Carbon disulfide	0 ppb
MW1D-1	Carbon tetrachloride	0 ppb
MW1D-1	Chlorobenzene	0 ppb
MW1D-1	Chloroethane	0 ppb
MW1D-1	Chloroform	2.4 ppb
MW1D-1	Chloromethane	0 ppb
MW1D-1	Dibromochloromethane	0 ppb
MW1D-1	1,1-Dichloroethane	0 ppb
MW1D-1	1,2-Dichloroethane	0 ppb

MW1D-1	1,1-Dichloroethene	0 ppb
MW1D-1	cis-1,2-Dichloroethene	0 ppb
MW1D-1	trans-1,2-Dichloroethene	0 ppb
MW1D-1	1,2-Dichloropropane	0 ppb
MW1D-1	cis-1,3-Dichloropropene	0 ppb
MW1D-1	trans-1,3-Dichloropropen	0 ppb
MW1D-1	Ethylbenzene	0 ppb
MW1D-1	2-Hexanone	0 ppb
MW1D-1	Methyl Tert Butyl Ether	0 ppb
MW1D-1	4-Methyl-2-pentanone(MI	0 ppb
MW1D-1	Methylene chloride	0 ppb
MW1D-1	Styrene	0 ppb
MW1D-1	Tertiary Butyl Alcohol	0 ppb
MW1D-1	1,1,2,2-Tetrachloroethan	0 ppb
MW1D-1	Tetrachloroethene	0 ppb
MW1D-1	Toluene	0 ppb
MW1D-1	1,1,1-Trichloroethane	0 ppb
MW1D-1	1,1,2-Trichloroethane	0 ppb
MW1D-1	Trichloroethene	0 ppb
MW1D-1	Vinyl chloride	0 ppb
MW1D-1	Xylenes (total)	0 ppb
MW1D-1	Total TIC, Volatile	0 ppb
MW1D-2	Acetone	0 ppb
MW1D-2	Benzene	0 ppb
MW1D-2	Bromodichloromethane	0 ppb
MW1D-2	Bromoform	0 ppb
MW1D-2	Bromomethane	0 ppb
MW1D-2	2-Butanone (MEK)	0 ppb
MW1D-2	Carbon disulfide	0 ppb
MW1D-2	Carbon tetrachloride	0 ppb
MW1D-2	Chlorobenzene	0 ppb
MW1D-2	Chloroethane	0 ppb
MW1D-2	Chloroform	2.4 ppb
MW1D-2	Chloromethane	0 ppb
MW1D-2	Dibromochloromethane	0 ppb
MW1D-2	1,1-Dichloroethane	0 ppb
MW1D-2	1,2-Dichloroethane	0 ppb
MW1D-2	1,1-Dichloroethene	0 ppb
MW1D-2	cis-1,2-Dichloroethene	0 ppb
MW1D-2	trans-1,2-Dichloroethene	0 ppb
MW1D-2	1,2-Dichloropropane	0 ppb
MW1D-2	cis-1,3-Dichloropropene	0 ppb
MW1D-2	trans-1,3-Dichloropropen	0 ppb
MW1D-2	Ethylbenzene	0 ppb
MW1D-2	2-Hexanone	0 ppb
MW1D-2	Methyl Tert Butyl Ether	0 ppb
MW1D-2	4-Methyl-2-pentanone(MI	0 ppb
MW1D-2	Methylene chloride	0 ppb
MW1D-2	Styrene	0 ppb
MW1D-2	Tertiary Butyl Alcohol	0 ppb
MW1D-2	1,1,2,2-Tetrachloroethan	0 ppb
MW1D-2	Tetrachloroethene	0 ppb

MW1D-2	Toluene	0.36 ppb
MW1D-2	1,1,1-Trichloroethane	0 ppb
MW1D-2	1,1,2-Trichloroethane	0 ppb
MW1D-2	Trichloroethene	0 ppb
MW1D-2	Vinyl chloride	0 ppb
MW1D-2	Xylenes (total)	0 ppb
MW1D-2	Total TIC, Volatile	0 ppb
MW1D-3	Acetone	0 ppb
MW1D-3	Benzene	0 ppb
MW1D-3	Bromodichloromethane	0 ppb
MW1D-3	Bromoform	0 ppb
MW1D-3	Bromomethane	0 ppb
MW1D-3	2-Butanone (MEK)	0 ppb
MW1D-3	Carbon disulfide	0 ppb
MW1D-3	Carbon tetrachloride	0 ppb
MW1D-3	Chlorobenzene	0 ppb
MW1D-3	Chloroethane	0 ppb
MW1D-3	Chloroform	0 ppb
MW1D-3	Chloromethane	0 ppb
MW1D-3	Dibromochloromethane	0 ppb
MW1D-3	1,1-Dichloroethane	0 ppb
MW1D-3	1,2-Dichloroethane	0 ppb
MW1D-3	1,1-Dichloroethene	0 ppb
MW1D-3	cis-1,2-Dichloroethene	0 ppb
MW1D-3	trans-1,2-Dichloroethene	0 ppb
MW1D-3	1,2-Dichloropropane	0 ppb
MW1D-3	cis-1,3-Dichloropropene	0 ppb
MW1D-3	trans-1,3-Dichloropropen	0 ppb
MW1D-3	Ethylbenzene	0 ppb
MW1D-3	2-Hexanone	0 ppb
MW1D-3	Methyl Tert Butyl Ether	0 ppb
MW1D-3	4-Methyl-2-pentanone(MI	0 ppb
MW1D-3	Methylene chloride	0 ppb
MW1D-3	Styrene	0 ppb
MW1D-3	Tertiary Butyl Alcohol	0 ppb
MW1D-3	1,1,2,2-Tetrachloroethan	0 ppb
MW1D-3	Tetrachloroethene	0 ppb
MW1D-3	Toluene	1.3 ppb
MW1D-3	1,1,1-Trichloroethane	0 ppb
MW1D-3	1,1,2-Trichloroethane	0 ppb
MW1D-3	Trichloroethene	0 ppb
MW1D-3	Vinyl chloride	0 ppb
MW1D-3	Xylenes (total)	0 ppb
MW1D-3	Total TIC, Volatile	0 ppb
MW1D-4	Acetone	0 ppb
MW1D-4	Benzene	0 ppb
MW1D-4	Bromodichloromethane	0 ppb
MW1D-4	Bromoform	0 ppb
MW1D-4	Bromomethane	0 ppb
MW1D-4	2-Butanone (MEK)	0 ppb
MW1D-4	Carbon disulfide	0 ppb
MW1D-4	Carbon tetrachloride	0 ppb

MW1D-4	Chlorobenzene	0 ppb
MW1D-4	Chloroethane	0 ppb
MW1D-4	Chloroform	2.1 ppb
MW1D-4	Chloromethane	0 ppb
MW1D-4	Dibromochloromethane	0 ppb
MW1D-4	1,1-Dichloroethane	0 ppb
MW1D-4	1,2-Dichloroethane	0 ppb
MW1D-4	1,1-Dichloroethene	0 ppb
MW1D-4	cis-1,2-Dichloroethene	0 ppb
MW1D-4	trans-1,2-Dichloroethene	0 ppb
MW1D-4	1,2-Dichloropropane	0 ppb
MW1D-4	cis-1,3-Dichloropropene	0 ppb
MW1D-4	trans-1,3-Dichloropropen	0 ppb
MW1D-4	Ethylbenzene	0 ppb
MW1D-4	2-Hexanone	0 ppb
MW1D-4	Methyl Tert Butyl Ether	0 ppb
MW1D-4	4-Methyl-2-pentanone(MI	0 ppb
MW1D-4	Methylene chloride	0 ppb
MW1D-4	Styrene	0 ppb
MW1D-4	Tertiary Butyl Alcohol	0 ppb
MW1D-4	1,1,2,2-Tetrachloroethan	0 ppb
MW1D-4	Tetrachloroethene	0 ppb
MW1D-4	Toluene	185 ppb
MW1D-4	1,1,1-Trichloroethane	0 ppb
MW1D-4	1,1,2-Trichloroethane	0 ppb
MW1D-4	Trichloroethene	0 ppb
MW1D-4	Vinyl chloride	0 ppb
MW1D-4	Xylenes (total)	0 ppb
MW1D-4	Total TIC, Volatile	0 ppb
MW1D-5	Acetone	0 ppb
MW1D-5	Benzene	0 ppb
MW1D-5	Bromodichloromethane	0 ppb
MW1D-5	Bromoform	0 ppb
MW1D-5	Bromomethane	0 ppb
MW1D-5	2-Butanone (MEK)	0 ppb
MW1D-5	Carbon disulfide	0 ppb
MW1D-5	Carbon tetrachloride	0 ppb
MW1D-5	Chlorobenzene	0 ppb
MW1D-5	Chloroethane	0 ppb
MW1D-5	Chloroform	0 ppb
MW1D-5	Chloromethane	0 ppb
MW1D-5	Dibromochloromethane	0 ppb
MW1D-5	1,1-Dichloroethane	0 ppb
MW1D-5	1,2-Dichloroethane	0 ppb
MW1D-5	1,1-Dichloroethene	0 ppb
MW1D-5	cis-1,2-Dichloroethene	0 ppb
MW1D-5	trans-1,2-Dichloroethene	0 ppb
MW1D-5	1,2-Dichloropropane	0 ppb
MW1D-5	cis-1,3-Dichloropropene	0 ppb
MW1D-5	trans-1,3-Dichloropropen	0 ppb
MW1D-5	Ethylbenzene	0 ppb
MW1D-5	2-Hexanone	0 ppb

MW1D-5	Methyl Tert Butyl Ether	0 ppb
MW1D-5	4-Methyl-2-pentanone(MI	0 ppb
MW1D-5	Methylene chloride	0 ppb
MW1D-5	Styrene	0 ppb
MW1D-5	Tertiary Butyl Alcohol	0 ppb
MW1D-5	1,1,2,2-Tetrachloroethan	0 ppb
MW1D-5	Tetrachloroethene	0 ppb
MW1D-5	Toluene	46.1 ppb
MW1D-5	1,1,1-Trichloroethane	0.36 ppb
MW1D-5	1,1,2-Trichloroethane	0 ppb
MW1D-5	Trichloroethene	0 ppb
MW1D-5	Vinyl chloride	0 ppb
MW1D-5	Xylenes (total)	0 ppb
MW1D-5	Total TIC, Volatile	0 ppb
MW2D-1	Acetone	0 ppb
MW2D-1	Benzene	0 ppb
MW2D-1	Bromodichloromethane	0 ppb
MW2D-1	Bromoform	0 ppb
MW2D-1	Bromomethane	0 ppb
MW2D-1	2-Butanone (MEK)	0 ppb
MW2D-1	Carbon disulfide	0 ppb
MW2D-1	Carbon tetrachloride	0 ppb
MW2D-1	Chlorobenzene	0 ppb
MW2D-1	Chloroethane	0 ppb
MW2D-1	Chloroform	2.1 ppb
MW2D-1	Chloromethane	0 ppb
MW2D-1	Dibromochloromethane	0 ppb
MW2D-1	1,1-Dichloroethane	0 ppb
MW2D-1	1,2-Dichloroethane	0 ppb
MW2D-1	1,1-Dichloroethene	0 ppb
MW2D-1	cis-1,2-Dichloroethene	0 ppb
MW2D-1	trans-1,2-Dichloroethene	0 ppb
MW2D-1	1,2-Dichloropropane	0 ppb
MW2D-1	cis-1,3-Dichloropropene	0 ppb
MW2D-1	trans-1,3-Dichloropropen	0 ppb
MW2D-1	Ethylbenzene	0 ppb
MW2D-1	2-Hexanone	0 ppb
MW2D-1	Methyl Tert Butyl Ether	0 ppb
MW2D-1	4-Methyl-2-pentanone(MI	0 ppb
MW2D-1	Methylene chloride	0 ppb
MW2D-1	Styrene	0 ppb
MW2D-1	Tertiary Butyl Alcohol	0 ppb
MW2D-1	1,1,2,2-Tetrachloroethan	0 ppb
MW2D-1	Tetrachloroethene	0 ppb
MW2D-1	Toluene	3.4 ppb
MW2D-1	1,1,1-Trichloroethane	0 ppb
MW2D-1	1,1,2-Trichloroethane	0 ppb
MW2D-1	Trichloroethene	0 ppb
MW2D-1	Vinyl chloride	0 ppb
MW2D-1	Xylenes (total)	0 ppb
MW2D-1	Total TIC, Volatile	0 ppb
MW2D-2	Acetone	0 ppb

MW2D-2	Benzene	0 ppb
MW2D-2	Bromodichloromethane	0 ppb
MW2D-2	Bromoform	0 ppb
MW2D-2	Bromomethane	0 ppb
MW2D-2	2-Butanone (MEK)	0 ppb
MW2D-2	Carbon disulfide	0 ppb
MW2D-2	Carbon tetrachloride	0 ppb
MW2D-2	Chlorobenzene	0 ppb
MW2D-2	Chloroethane	0 ppb
MW2D-2	Chloroform	1.9 ppb
MW2D-2	Chloromethane	0 ppb
MW2D-2	Dibromochloromethane	0 ppb
MW2D-2	1,1-Dichloroethane	0.72 ppb
MW2D-2	1,2-Dichloroethane	0 ppb
MW2D-2	1,1-Dichloroethene	0 ppb
MW2D-2	cis-1,2-Dichloroethene	0 ppb
MW2D-2	trans-1,2-Dichloroethene	0 ppb
MW2D-2	1,2-Dichloropropane	0 ppb
MW2D-2	cis-1,3-Dichloropropene	0 ppb
MW2D-2	trans-1,3-Dichloropropen	0 ppb
MW2D-2	Ethylbenzene	0 ppb
MW2D-2	2-Hexanone	0 ppb
MW2D-2	Methyl Tert Butyl Ether	0 ppb
MW2D-2	4-Methyl-2-pentanone(MI	0 ppb
MW2D-2	Methylene chloride	0 ppb
MW2D-2	Styrene	0 ppb
MW2D-2	Tertiary Butyl Alcohol	0 ppb
MW2D-2	1,1,2,2-Tetrachloroethan	0 ppb
MW2D-2	Tetrachloroethene	0 ppb
MW2D-2	Toluene	101 ppb
MW2D-2	1,1,1-Trichloroethane	0 ppb
MW2D-2	1,1,2-Trichloroethane	0 ppb
MW2D-2	Trichloroethene	0 ppb
MW2D-2	Vinyl chloride	0 ppb
MW2D-2	Xylenes (total)	0 ppb
MW2D-2	Total TIC, Volatile	0 ppb
MW2D-3	Acetone	0 ppb
MW2D-3	Benzene	0 ppb
MW2D-3	Bromodichloromethane	0 ppb
MW2D-3	Bromoform	0 ppb
MW2D-3	Bromomethane	0 ppb
MW2D-3	2-Butanone (MEK)	0 ppb
MW2D-3	Carbon disulfide	0 ppb
MW2D-3	Carbon tetrachloride	0 ppb
MW2D-3	Chlorobenzene	0 ppb
MW2D-3	Chloroethane	0 ppb
MW2D-3	Chloroform	2.2 ppb
MW2D-3	Chloromethane	0 ppb
MW2D-3	Dibromochloromethane	0 ppb
MW2D-3	1,1-Dichloroethane	0 ppb
MW2D-3	1,2-Dichloroethane	0 ppb
MW2D-3	1,1-Dichloroethene	0 ppb

MW2D-3	cis-1,2-Dichloroethene	0 ppb
MW2D-3	trans-1,2-Dichloroethene	0 ppb
MW2D-3	1,2-Dichloropropane	0 ppb
MW2D-3	cis-1,3-Dichloropropene	0 ppb
MW2D-3	trans-1,3-Dichloropropen	0 ppb
MW2D-3	Ethylbenzene	0 ppb
MW2D-3	2-Hexanone	0 ppb
MW2D-3	Methyl Tert Butyl Ether	0 ppb
MW2D-3	4-Methyl-2-pentanone(MI	0 ppb
MW2D-3	Methylene chloride	0 ppb
MW2D-3	Styrene	0 ppb
MW2D-3	Tertiary Butyl Alcohol	0 ppb
MW2D-3	1,1,2,2-Tetrachloroethan	0 ppb
MW2D-3	Tetrachloroethene	0 ppb
MW2D-3	Toluene	123 ppb
MW2D-3	1,1,1-Trichloroethane	0 ppb
MW2D-3	1,1,2-Trichloroethane	0 ppb
MW2D-3	Trichloroethene	0 ppb
MW2D-3	Vinyl chloride	0 ppb
MW2D-3	Xylenes (total)	0 ppb
MW2D-3	Total TIC, Volatile	0 ppb
MW2D-4	Acetone	0 ppb
MW2D-4	Benzene	0 ppb
MW2D-4	Bromodichloromethane	0 ppb
MW2D-4	Bromoform	0 ppb
MW2D-4	Bromomethane	0 ppb
MW2D-4	2-Butanone (MEK)	0 ppb
MW2D-4	Carbon disulfide	0 ppb
MW2D-4	Carbon tetrachloride	0 ppb
MW2D-4	Chlorobenzene	0 ppb
MW2D-4	Chloroethane	0 ppb
MW2D-4	Chloroform	1 ppb
MW2D-4	Chloromethane	0 ppb
MW2D-4	Dibromochloromethane	0 ppb
MW2D-4	1,1-Dichloroethane	0 ppb
MW2D-4	1,2-Dichloroethane	0 ppb
MW2D-4	1,1-Dichloroethene	0 ppb
MW2D-4	cis-1,2-Dichloroethene	0 ppb
MW2D-4	trans-1,2-Dichloroethene	0 ppb
MW2D-4	1,2-Dichloropropane	0 ppb
MW2D-4	cis-1,3-Dichloropropene	0 ppb
MW2D-4	trans-1,3-Dichloropropen	0 ppb
MW2D-4	Ethylbenzene	0 ppb
MW2D-4	2-Hexanone	0 ppb
MW2D-4	Methyl Tert Butyl Ether	0 ppb
MW2D-4	4-Methyl-2-pentanone(MI	0 ppb
MW2D-4	Methylene chloride	0 ppb
MW2D-4	Styrene	0 ppb
MW2D-4	Tertiary Butyl Alcohol	0 ppb
MW2D-4	1,1,2,2-Tetrachloroethan	0 ppb
MW2D-4	Tetrachloroethene	0 ppb
MW2D-4	Toluene	148 ppb

MW2D-4	1,1,1-Trichloroethane	0 ppb
MW2D-4	1,1,2-Trichloroethane	0 ppb
MW2D-4	Trichloroethene	0 ppb
MW2D-4	Vinyl chloride	0 ppb
MW2D-4	Xylenes (total)	0 ppb
MW2D-4	Total TIC, Volatile	0 ppb
MW3D-1	Acetone	0 ppb
MW3D-1	Benzene	0 ppb
MW3D-1	Bromodichloromethane	0 ppb
MW3D-1	Bromoform	0 ppb
MW3D-1	Bromomethane	0 ppb
MW3D-1	2-Butanone (MEK)	0 ppb
MW3D-1	Carbon disulfide	0 ppb
MW3D-1	Carbon tetrachloride	0 ppb
MW3D-1	Chlorobenzene	0 ppb
MW3D-1	Chloroethane	0 ppb
MW3D-1	Chloroform	1.4 ppb
MW3D-1	Chloromethane	0 ppb
MW3D-1	Dibromochloromethane	0 ppb
MW3D-1	1,1-Dichloroethane	0 ppb
MW3D-1	1,2-Dichloroethane	0 ppb
MW3D-1	1,1-Dichloroethene	0 ppb
MW3D-1	cis-1,2-Dichloroethene	0 ppb
MW3D-1	trans-1,2-Dichloroethene	0 ppb
MW3D-1	1,2-Dichloropropane	0 ppb
MW3D-1	cis-1,3-Dichloropropene	0 ppb
MW3D-1	trans-1,3-Dichloropropen	0 ppb
MW3D-1	Ethylbenzene	0 ppb
MW3D-1	2-Hexanone	0 ppb
MW3D-1	Methyl Tert Butyl Ether	0 ppb
MW3D-1	4-Methyl-2-pentanone(MI	0 ppb
MW3D-1	Methylene chloride	0 ppb
MW3D-1	Styrene	0 ppb
MW3D-1	Tertiary Butyl Alcohol	0 ppb
MW3D-1	1,1,2,2-Tetrachloroethan	0 ppb
MW3D-1	Tetrachloroethene	0 ppb
MW3D-1	Toluene	0 ppb
MW3D-1	1,1,1-Trichloroethane	0 ppb
MW3D-1	1,1,2-Trichloroethane	0 ppb
MW3D-1	Trichloroethene	0 ppb
MW3D-1	Vinyl chloride	0 ppb
MW3D-1	Xylenes (total)	0 ppb
MW3D-1	Total TIC, Volatile	0 ppb
MW3D-2	Vinyl chloride	0 ppb
MW3D-2	Xylenes (total)	0 ppb
MW3D-2	Total TIC, Volatile	0 ppb
MW3D-2	Acetone	0 ppb
MW3D-2	Benzene	0 ppb
MW3D-2	Bromodichloromethane	0 ppb
MW3D-2	Bromoform	0 ppb
MW3D-2	Bromomethane	0 ppb
MW3D-2	2-Butanone (MEK)	0 ppb

MW3D-2	Carbon disulfide	0 ppb
MW3D-2	Carbon tetrachloride	0 ppb
MW3D-2	Chlorobenzene	0 ppb
MW3D-2	Chloroethane	0 ppb
MW3D-2	Chloroform	1.3 ppb
MW3D-2	Chloromethane	0 ppb
MW3D-2	Dibromochloromethane	0 ppb
MW3D-2	1,1-Dichloroethane	0 ppb
MW3D-2	1,2-Dichloroethane	0 ppb
MW3D-2	1,1-Dichloroethene	0 ppb
MW3D-2	cis-1,2-Dichloroethene	0 ppb
MW3D-2	trans-1,2-Dichloroethene	0 ppb
MW3D-2	1,2-Dichloropropane	0 ppb
MW3D-2	cis-1,3-Dichloropropene	0 ppb
MW3D-2	trans-1,3-Dichloropropen	0 ppb
MW3D-2	Ethylbenzene	0 ppb
MW3D-2	2-Hexanone	0 ppb
MW3D-2	Methyl Tert Butyl Ether	0 ppb
MW3D-2	4-Methyl-2-pentanone(MI	0 ppb
MW3D-2	Methylene chloride	0 ppb
MW3D-2	Styrene	0 ppb
MW3D-2	Tertiary Butyl Alcohol	0 ppb
MW3D-2	1,1,2,2-Tetrachloroethan	0 ppb
MW3D-2	Tetrachloroethene	0 ppb
MW3D-2	Toluene	0 ppb
MW3D-2	1,1,1-Trichloroethane	0 ppb
MW3D-2	1,1,2-Trichloroethane	0 ppb
MW3D-2	Trichloroethene	0 ppb
MW3D-3	Acetone	0 ppb
MW3D-3	Benzene	0 ppb
MW3D-3	Bromodichloromethane	0 ppb
MW3D-3	Bromoform	0 ppb
MW3D-3	Bromomethane	0 ppb
MW3D-3	2-Butanone (MEK)	0 ppb
MW3D-3	Carbon disulfide	0 ppb
MW3D-3	Carbon tetrachloride	0 ppb
MW3D-3	Chlorobenzene	0 ppb
MW3D-3	Chloroethane	0 ppb
MW3D-3	Chloroform	0 ppb
MW3D-3	Chloromethane	0 ppb
MW3D-3	Dibromochloromethane	0 ppb
MW3D-3	1,1-Dichloroethane	0 ppb
MW3D-3	1,2-Dichloroethane	0 ppb
MW3D-3	1,1-Dichloroethene	0 ppb
MW3D-3	cis-1,2-Dichloroethene	0 ppb
MW3D-3	trans-1,2-Dichloroethene	0 ppb
MW3D-3	1,2-Dichloropropane	0 ppb
MW3D-3	cis-1,3-Dichloropropene	0 ppb
MW3D-3	trans-1,3-Dichloropropen	0 ppb
MW3D-3	Ethylbenzene	0 ppb
MW3D-3	2-Hexanone	0 ppb
MW3D-3	Methyl Tert Butyl Ether	0 ppb

MW3D-3	4-Methyl-2-pentanone(MI	0 ppb
MW3D-3	Methylene chloride	0 ppb
MW3D-3	Styrene	0 ppb
MW3D-3	Tertiary Butyl Alcohol	0 ppb
MW3D-3	1,1,2,2-Tetrachloroethan	0 ppb
MW3D-3	Tetrachloroethene	0 ppb
MW3D-3	Toluene	156 ppb
MW3D-3	1,1,1-Trichloroethane	0 ppb
MW3D-3	1,1,2-Trichloroethane	0 ppb
MW3D-3	Trichloroethene	0 ppb
MW3D-3	Vinyl chloride	0 ppb
MW3D-3	Xylenes (total)	0 ppb
MW3D-3	Silanol, trimethyl- [8.57]	11 ppb
MW3D-3	Total TIC, Volatile	11 ppb
MW3D-4	Acetone	0 ppb
MW3D-4	Benzene	0 ppb
MW3D-4	Bromodichloromethane	0 ppb
MW3D-4	Bromoform	0 ppb
MW3D-4	Bromomethane	0 ppb
MW3D-4	2-Butanone (MEK)	0 ppb
MW3D-4	Carbon disulfide	0 ppb
MW3D-4	Carbon tetrachloride	0 ppb
MW3D-4	Chlorobenzene	0 ppb
MW3D-4	Chloroethane	0 ppb
MW3D-4	Chloroform	0 ppb
MW3D-4	Chloromethane	0 ppb
MW3D-4	Dibromochloromethane	0 ppb
MW3D-4	1,1-Dichloroethane	0 ppb
MW3D-4	1,2-Dichloroethane	0 ppb
MW3D-4	1,1-Dichloroethene	0 ppb
MW3D-4	cis-1,2-Dichloroethene	0 ppb
MW3D-4	trans-1,2-Dichloroethene	0 ppb
MW3D-4	1,2-Dichloropropane	0 ppb
MW3D-4	cis-1,3-Dichloropropene	0 ppb
MW3D-4	trans-1,3-Dichloropropen	0 ppb
MW3D-4	Ethylbenzene	0 ppb
MW3D-4	2-Hexanone	0 ppb
MW3D-4	Methyl Tert Butyl Ether	0 ppb
MW3D-4	4-Methyl-2-pentanone(MI	0 ppb
MW3D-4	Methylene chloride	0 ppb
MW3D-4	Styrene	0 ppb
MW3D-4	Tertiary Butyl Alcohol	0 ppb
MW3D-4	1,1,2,2-Tetrachloroethan	0 ppb
MW3D-4	Tetrachloroethene	0 ppb
MW3D-4	Toluene	0 ppb
MW3D-4	1,1,1-Trichloroethane	0 ppb
MW3D-4	1,1,2-Trichloroethane	0 ppb
MW3D-4	Trichloroethene	0 ppb
MW3D-4	Vinyl chloride	0 ppb
MW3D-4	Xylenes (total)	0 ppb
MW3D-4	Total TIC, Volatile	0 ppb
MW3D-5	Acetone	13 ppb

MW3D-5	Benzene	0 ppb
MW3D-5	Bromodichloromethane	0.32 ppb
MW3D-5	Bromoform	0 ppb
MW3D-5	Bromomethane	0 ppb
MW3D-5	2-Butanone (MEK)	0 ppb
MW3D-5	Carbon disulfide	0 ppb
MW3D-5	Carbon tetrachloride	0 ppb
MW3D-5	Chlorobenzene	0 ppb
MW3D-5	Chloroethane	0 ppb
MW3D-5	Chloroform	1.1 ppb
MW3D-5	Chloromethane	0 ppb
MW3D-5	Dibromochloromethane	0 ppb
MW3D-5	1,1-Dichloroethane	0 ppb
MW3D-5	1,2-Dichloroethane	0 ppb
MW3D-5	1,1-Dichloroethene	0 ppb
MW3D-5	cis-1,2-Dichloroethene	0 ppb
MW3D-5	trans-1,2-Dichloroethene	0 ppb
MW3D-5	1,2-Dichloropropane	0 ppb
MW3D-5	cis-1,3-Dichloropropene	0 ppb
MW3D-5	trans-1,3-Dichloropropen	0 ppb
MW3D-5	Ethylbenzene	0 ppb
MW3D-5	2-Hexanone	0 ppb
MW3D-5	Methyl Tert Butyl Ether	5.8 ppb
MW3D-5	4-Methyl-2-pentanone(MI	0 ppb
MW3D-5	Methylene chloride	0 ppb
MW3D-5	Styrene	0 ppb
MW3D-5	Tertiary Butyl Alcohol	0 ppb
MW3D-5	1,1,2,2-Tetrachloroethan	0 ppb
MW3D-5	Tetrachloroethene	0 ppb
MW3D-5	Toluene	68.5 ppb
MW3D-5	1,1,1-Trichloroethane	0.15 ppb
MW3D-5	1,1,2-Trichloroethane	0 ppb
MW3D-5	Trichloroethene	0 ppb
MW3D-5	Vinyl chloride	0 ppb
MW3D-5	Xylenes (total)	0 ppb
MW3D-5	Total TIC, Volatile	0 ppb
MW4D-1	Acetone	11.7 ppb
MW4D-1	Benzene	0 ppb
MW4D-1	Bromodichloromethane	0.35 ppb
MW4D-1	Bromoform	0 ppb
MW4D-1	Bromomethane	0 ppb
MW4D-1	2-Butanone (MEK)	0 ppb
MW4D-1	Carbon disulfide	0 ppb
MW4D-1	Carbon tetrachloride	0 ppb
MW4D-1	Chlorobenzene	0 ppb
MW4D-1	Chloroethane	0 ppb
MW4D-1	Chloroform	1.8 ppb
MW4D-1	Chloromethane	0 ppb
MW4D-1	Dibromochloromethane	0 ppb
MW4D-1	1,1-Dichloroethane	0 ppb
MW4D-1	1,2-Dichloroethane	0 ppb
MW4D-1	1,1-Dichloroethene	0 ppb

MW4D-1	cis-1,2-Dichloroethene	0 ppb
MW4D-1	trans-1,2-Dichloroethene	0 ppb
MW4D-1	1,2-Dichloropropane	0 ppb
MW4D-1	cis-1,3-Dichloropropene	0 ppb
MW4D-1	trans-1,3-Dichloropropen	0 ppb
MW4D-1	Ethylbenzene	0 ppb
MW4D-1	2-Hexanone	0 ppb
MW4D-1	Methyl Tert Butyl Ether	171 ppb
MW4D-1	4-Methyl-2-pentanone(MI	0 ppb
MW4D-1	Methylene chloride	0 ppb
MW4D-1	Styrene	0 ppb
MW4D-1	Tertiary Butyl Alcohol	0 ppb
MW4D-1	1,1,2,2-Tetrachloroethan	0 ppb
MW4D-1	Tetrachloroethene	0 ppb
MW4D-1	Toluene	156 ppb
MW4D-1	1,1,1-Trichloroethane	0 ppb
MW4D-1	1,1,2-Trichloroethane	0 ppb
MW4D-1	Trichloroethene	0 ppb
MW4D-1	Vinyl chloride	0 ppb
MW4D-1	Xylenes (total)	0 ppb
MW4D-1	unknown [5.22]	16 ppb
MW4D-1	Silanol, trimethyl- [9.76]	550 ppb
MW4D-1	Butane, 2-methoxy-2-me	3 ppb
MW4D-1	Total TIC, Volatile	569 ppb
MW4D-2	Acetone	0 ppb
MW4D-2	Benzene	0 ppb
MW4D-2	Bromodichloromethane	0 ppb
MW4D-2	Bromoform	0 ppb
MW4D-2	Bromomethane	0 ppb
MW4D-2	2-Butanone (MEK)	0 ppb
MW4D-2	Carbon disulfide	0 ppb
MW4D-2	Carbon tetrachloride	0 ppb
MW4D-2	Chlorobenzene	0 ppb
MW4D-2	Chloroethane	0 ppb
MW4D-2	Chloroform	0.81 ppb
MW4D-2	Chloromethane	0 ppb
MW4D-2	Dibromochloromethane	0 ppb
MW4D-2	1,1-Dichloroethane	0.76 ppb
MW4D-2	1,2-Dichloroethane	0 ppb
MW4D-2	1,1-Dichloroethene	0 ppb
MW4D-2	cis-1,2-Dichloroethene	0 ppb
MW4D-2	trans-1,2-Dichloroethene	0 ppb
MW4D-2	1,2-Dichloropropane	0 ppb
MW4D-2	cis-1,3-Dichloropropene	0 ppb
MW4D-2	trans-1,3-Dichloropropen	0 ppb
MW4D-2	Ethylbenzene	0 ppb
MW4D-2	2-Hexanone	0 ppb
MW4D-2	Methyl Tert Butyl Ether	1.6 ppb
MW4D-2	4-Methyl-2-pentanone(MI	0 ppb
MW4D-2	Methylene chloride	0 ppb
MW4D-2	Styrene	0 ppb
MW4D-2	Tertiary Butyl Alcohol	0 ppb

MW4D-2	1,1,2,2-Tetrachloroethan	0 ppb
MW4D-2	Tetrachloroethene	0 ppb
MW4D-2	Toluene	11.1 ppb
MW4D-2	1,1,1-Trichloroethane	0 ppb
MW4D-2	1,1,2-Trichloroethane	0 ppb
MW4D-2	Trichloroethene	0 ppb
MW4D-2	Vinyl chloride	0 ppb
MW4D-2	Xylenes (total)	0 ppb
MW4D-2	Silanol, trimethyl- [9.78]	33 ppb
MW4D-2	Total TIC, Volatile	33 ppb
MW4D-3	Acetone	0 ppb
MW4D-3	Benzene	0 ppb
MW4D-3	Bromodichloromethane	0 ppb
MW4D-3	Bromoform	0 ppb
MW4D-3	Bromomethane	0 ppb
MW4D-3	2-Butanone (MEK)	0 ppb
MW4D-3	Carbon disulfide	0 ppb
MW4D-3	Carbon tetrachloride	0 ppb
MW4D-3	Chlorobenzene	0 ppb
MW4D-3	Chloroethane	0 ppb
MW4D-3	Chloroform	0 ppb
MW4D-3	Chloromethane	0 ppb
MW4D-3	Dibromochloromethane	0 ppb
MW4D-3	1,1-Dichloroethane	0 ppb
MW4D-3	1,2-Dichloroethane	0 ppb
MW4D-3	1,1-Dichloroethene	0 ppb
MW4D-3	cis-1,2-Dichloroethene	0 ppb
MW4D-3	trans-1,2-Dichloroethene	0 ppb
MW4D-3	1,2-Dichloropropane	0 ppb
MW4D-3	cis-1,3-Dichloropropene	0 ppb
MW4D-3	trans-1,3-Dichloropropen	0 ppb
MW4D-3	Ethylbenzene	0 ppb
MW4D-3	2-Hexanone	0 ppb
MW4D-3	Methyl Tert Butyl Ether	0 ppb
MW4D-3	4-Methyl-2-pentanone(MI	0 ppb
MW4D-3	Methylene chloride	0 ppb
MW4D-3	Styrene	0 ppb
MW4D-3	Tertiary Butyl Alcohol	0 ppb
MW4D-3	1,1,2,2-Tetrachloroethan	0 ppb
MW4D-3	Tetrachloroethene	0 ppb
MW4D-3	Toluene	20.7 ppb
MW4D-3	1,1,1-Trichloroethane	0 ppb
MW4D-3	1,1,2-Trichloroethane	0 ppb
MW4D-3	Trichloroethene	0 ppb
MW4D-3	Vinyl chloride	0 ppb
MW4D-3	Xylenes (total)	0 ppb
MW4D-3	Total TIC, Volatile	0 ppb
MW4D-4	Acetone	0 ppb
MW4D-4	Benzene	0 ppb
MW4D-4	Bromodichloromethane	0 ppb
MW4D-4	Bromoform	0 ppb
MW4D-4	Bromomethane	0 ppb

MW4D-4	2-Butanone (MEK)	0 ppb
MW4D-4	Carbon disulfide	0 ppb
MW4D-4	Carbon tetrachloride	0 ppb
MW4D-4	Chlorobenzene	0 ppb
MW4D-4	Chloroethane	0 ppb
MW4D-4	Chloroform	1 ppb
MW4D-4	Chloromethane	0 ppb
MW4D-4	Dibromochloromethane	0 ppb
MW4D-4	1,1-Dichloroethane	0 ppb
MW4D-4	1,2-Dichloroethane	0 ppb
MW4D-4	1,1-Dichloroethene	0 ppb
MW4D-4	cis-1,2-Dichloroethene	0 ppb
MW4D-4	trans-1,2-Dichloroethene	0 ppb
MW4D-4	1,2-Dichloropropane	0 ppb
MW4D-4	cis-1,3-Dichloropropene	0 ppb
MW4D-4	trans-1,3-Dichloropropen	0 ppb
MW4D-4	Ethylbenzene	0 ppb
MW4D-4	2-Hexanone	0 ppb
MW4D-4	Methyl Tert Butyl Ether	0 ppb
MW4D-4	4-Methyl-2-pentanone(MI	0 ppb
MW4D-4	Methylene chloride	0 ppb
MW4D-4	Styrene	0 ppb
MW4D-4	Tertiary Butyl Alcohol	0 ppb
MW4D-4	1,1,2,2-Tetrachloroethan	0 ppb
MW4D-4	Tetrachloroethene	0 ppb
MW4D-4	Toluene	27.2 ppb
MW4D-4	1,1,1-Trichloroethane	0 ppb
MW4D-4	1,1,2-Trichloroethane	0 ppb
MW4D-4	Trichloroethene	0 ppb
MW4D-4	Vinyl chloride	0 ppb
MW4D-4	Xylenes (total)	0 ppb
MW4D-4	Total TIC, Volatile	0 ppb
MW4D-5	Acetone	0 ppb
MW4D-5	Benzene	0 ppb
MW4D-5	Bromodichloromethane	0 ppb
MW4D-5	Bromoform	0 ppb
MW4D-5	Bromomethane	0 ppb
MW4D-5	2-Butanone (MEK)	0 ppb
MW4D-5	Carbon disulfide	0 ppb
MW4D-5	Carbon tetrachloride	0 ppb
MW4D-5	Chlorobenzene	0 ppb
MW4D-5	Chloroethane	0 ppb
MW4D-5	Chloroform	0.73 ppb
MW4D-5	Chloromethane	0 ppb
MW4D-5	Dibromochloromethane	0 ppb
MW4D-5	1,1-Dichloroethane	0 ppb
MW4D-5	1,2-Dichloroethane	0 ppb
MW4D-5	1,1-Dichloroethene	0 ppb
MW4D-5	cis-1,2-Dichloroethene	0 ppb
MW4D-5	trans-1,2-Dichloroethene	0 ppb
MW4D-5	1,2-Dichloropropane	0 ppb
MW4D-5	cis-1,3-Dichloropropene	0 ppb

MW4D-5	trans-1,3-Dichloropropen	0 ppb
MW4D-5	Ethylbenzene	0 ppb
MW4D-5	2-Hexanone	0 ppb
MW4D-5	Methyl Tert Butyl Ether	0 ppb
MW4D-5	4-Methyl-2-pentanone(MI	0 ppb
MW4D-5	Methylene chloride	0 ppb
MW4D-5	Styrene	0 ppb
MW4D-5	Tertiary Butyl Alcohol	0 ppb
MW4D-5	1,1,2,2-Tetrachloroethan	0 ppb
MW4D-5	Tetrachloroethene	0 ppb
MW4D-5	Toluene	43.1 ppb
MW4D-5	1,1,1-Trichloroethane	0 ppb
MW4D-5	1,1,2-Trichloroethane	0 ppb
MW4D-5	Trichloroethene	0 ppb
MW4D-5	Vinyl chloride	0 ppb
MW4D-5	Xylenes (total)	0 ppb
MW4D-5	Total TIC, Volatile	0 ppb
MW4D-6	Acetone	0 ppb
MW4D-6	Benzene	0 ppb
MW4D-6	Bromodichloromethane	0 ppb
MW4D-6	Bromoform	0 ppb
MW4D-6	Bromomethane	0 ppb
MW4D-6	2-Butanone (MEK)	0 ppb
MW4D-6	Carbon disulfide	0 ppb
MW4D-6	Carbon tetrachloride	0 ppb
MW4D-6	Chlorobenzene	0 ppb
MW4D-6	Chloroethane	0 ppb
MW4D-6	Chloroform	0 ppb
MW4D-6	Chloromethane	0 ppb
MW4D-6	Dibromochloromethane	0 ppb
MW4D-6	1,1-Dichloroethane	0 ppb
MW4D-6	1,2-Dichloroethane	0 ppb
MW4D-6	1,1-Dichloroethene	0 ppb
MW4D-6	cis-1,2-Dichloroethene	0 ppb
MW4D-6	trans-1,2-Dichloroethene	0 ppb
MW4D-6	1,2-Dichloropropane	0 ppb
MW4D-6	cis-1,3-Dichloropropene	0 ppb
MW4D-6	trans-1,3-Dichloropropen	0 ppb
MW4D-6	Ethylbenzene	0 ppb
MW4D-6	2-Hexanone	0 ppb
MW4D-6	Methyl Tert Butyl Ether	0 ppb
MW4D-6	4-Methyl-2-pentanone(MI	0 ppb
MW4D-6	Methylene chloride	0 ppb
MW4D-6	Styrene	0 ppb
MW4D-6	Tertiary Butyl Alcohol	0 ppb
MW4D-6	1,1,2,2-Tetrachloroethan	0 ppb
MW4D-6	Tetrachloroethene	0 ppb
MW4D-6	Toluene	27.9 ppb
MW4D-6	1,1,1-Trichloroethane	0 ppb
MW4D-6	1,1,2-Trichloroethane	0 ppb
MW4D-6	Trichloroethene	0 ppb
MW4D-6	Vinyl chloride	0 ppb

MW4D-6	Xylenes (total)		0 ppb
MW4D-6	Total TIC, Volatile		0 ppb
SAMPNUM	ANALTPARAM	CONC	CONCUNITS
TB	Acetone		0 ppb
TB	Benzene		0 ppb
TB	Bromodichloromethane		0 ppb
TB	Bromoform		0 ppb
TB	Bromomethane		0 ppb
TB	2-Butanone (MEK)		0 ppb
TB	Carbon disulfide		0 ppb
TB	Carbon tetrachloride		0 ppb
TB	Chlorobenzene		0 ppb
TB	Chloroethane		0 ppb
TB	Chloroform		0 ppb
TB	Chloromethane		0 ppb
TB	Dibromochloromethane		0 ppb
TB	1,1-Dichloroethane		0 ppb
TB	1,2-Dichloroethane		0 ppb
TB	1,1-Dichloroethene		0 ppb
TB	cis-1,2-Dichloroethene		0 ppb
TB	trans-1,2-Dichloroethene		0 ppb
TB	1,2-Dichloropropane		0 ppb
TB	cis-1,3-Dichloropropene		0 ppb
TB	trans-1,3-Dichloropropen		0 ppb
TB	Ethylbenzene		0 ppb
TB	2-Hexanone		0 ppb
TB	Methyl Tert Butyl Ether		0 ppb
TB	4-Methyl-2-pentanone(MI		0 ppb
TB	Methylene chloride		0 ppb
TB	Styrene		0 ppb
TB	Tertiary Butyl Alcohol		0 ppb
TB	1,1,2,2-Tetrachloroethan		0 ppb
TB	Tetrachloroethene		0 ppb
TB	Toluene		0 ppb
TB	1,1,1-Trichloroethane		0 ppb
TB	1,1,2-Trichloroethane		0 ppb
TB	Trichloroethene		0 ppb
TB	Vinyl chloride		0 ppb
TB	Xylenes (total)		0 ppb
TB	Total TIC, Volatile		0 ppb

From: "Tan-Yueh Chang" <TChang@gesonline.com>
To: "Nick Sodano" <Nick.Sodano@dep.state.nj.us>
Date: 8/26/2005 4:05:34 PM
Subject: RE: lets make a trade

Here is my report.

Philip Chang
(732) 919-0100 Ext. 173
Fax (732) 919-0916
tchang@gesonline.com

-----Original Message-----
From: Nick Sodano [mailto:Nick.Sodano@dep.state.nj.us]
Sent: Monday, August 22, 2005 2:04 PM
To: Tan-Yueh Chang
Subject: lets make a trade

Here is my draft mobile lab data
please send me your well survey data

Thanks,

Nick Sodano
Bureau of Environmental Measurements & Site Assessment
nick.sodano@dep.state.nj.us
Ph: 609-584-4275
Fax: 609-584-4298

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Groundwater and Environmental Services, Inc. WWW.GESONLINE.COM or email: info@gesonline.com.

New Jersey
ACCUTEST Laboratories

08/26/05

Technical Report for

ExxonMobil Corporation

GESNJ: S/S 3-2558 Branchburg, NJ

PO#4505873557 WBS#08

Accutest Job Number: J6698

Sampling Date: 08/10/05

Report to:

Groundwater & Environmental Services,NJ

TChang@gesonline.com

ATTN: Tan yueh Chang

Total number of pages in report: 52

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Sample Summary

ExxonMobil Corporation

Job No: J6698

GESNJ: S/S 3-2558 Branchburg, NJ
Project No: PO#4505873557 WBS#08

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
J6698-1	08/10/05	15:10 CC	08/11/05	AQ	Ground Water	MW1D-1
J6698-2	08/10/05	15:14 CC	08/11/05	AQ	Ground Water	MW1D-2
J6698-3	08/10/05	15:16 CC	08/11/05	AQ	Ground Water	MW1D-3
J6698-4	08/10/05	15:19 CC	08/11/05	AQ	Ground Water	MW1D-4
J6698-5	08/10/05	15:22 CC	08/11/05	AQ	Ground Water	MW1D-5
J6698-6	08/10/05	09:50 CC	08/11/05	AQ	Ground Water	MW2D-1
J6698-7	08/10/05	09:59 CC	08/11/05	AQ	Ground Water	MW2D-2
J6698-8	08/10/05	10:03 CC	08/11/05	AQ	Ground Water	MW2D-3
J6698-9	08/10/05	10:08 CC	08/11/05	AQ	Ground Water	MW2D-4
J6698-10	08/10/05	13:34 CC	08/11/05	AQ	Ground Water	MW3D-1
J6698-11	08/10/05	13:38 CC	08/11/05	AQ	Ground Water	MW3D-2
J6698-12	08/10/05	13:40 CC	08/11/05	AQ	Ground Water	MW3D-3
J6698-13	08/10/05	13:45 CC	08/11/05	AQ	Ground Water	MW3D-4

Sample Summary
(continued)

ExxonMobil Corporation

Job No: J6698

GESNJ: S/S 3-2558 Branchburg, NJ
Project No: PO#4505873557 WBS#08

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
J6698-14	08/10/05	14:07 CC	08/11/05	AQ	Ground Water	MW3D-5
J6698-15	08/10/05	11:58 CC	08/11/05	AQ	Ground Water	MW4D-1
J6698-16	08/10/05	12:01 CC	08/11/05	AQ	Ground Water	MW4D-2
J6698-17	08/10/05	12:05 CC	08/11/05	AQ	Ground Water	MW4D-3
J6698-18	08/10/05	12:08 CC	08/11/05	AQ	Ground Water	MW4D-4
J6698-19	08/10/05	12:12 CC	08/11/05	AQ	Ground Water	MW4D-5
J6698-20	08/10/05	12:15 CC	08/11/05	AQ	Ground Water	MW4D-6
J6698-21	08/10/05	00:00 CC	08/11/05	AQ	Trip Blank Water	TB
J6698-22	08/10/05	15:22 CC	08/11/05	AQ	Field Blank Water	FB

ACCUTEST Laboratories

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	ExxonMobil Corporation	Job No	J6698
Site:	GESNJ: S/S 3-2558 Branchburg, NJ	Report Date	8/25/2005 4:44:15 PM

20 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were collected on 08/10/2005 and were received at Accutest on 08/11/2005 properly preserved, at 2.5 Deg. C and intact. These Samples received an Accutest job number of J6698. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method EPA 624

Matrix AQ Batch ID: VT2977

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J6695-13DUP, J6695-14MS were used as the QC samples indicated.

Matrix AQ Batch ID: VT2979

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J6698-10DUP, J6698-11MS were used as the QC samples indicated.
- RPD(s) for Duplicate for Chloroform are outside control limits for sample J6698-10DUP. Probable cause due to sample homogeneity.

Matrix AQ Batch ID: VT2980

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J7076-9MS, J7076-9MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Probable cause due to matrix interference.

Matrix AQ Batch ID: VT2983

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J7124-4MS, J7124-4MSD were used as the QC samples indicated.

The Accutest Laboratories of New Jersey certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NJ, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(J6698).

Report of Analysis

Client Sample ID:	MW1D-1		
Lab Sample ID:	J6698-1	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82176.D	1	08/19/05	DFT	n/a	n/a	VT2977
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	2.9	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1D-1		
Lab Sample ID:	J6698-1	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	107%		63-136%
2037-26-5	Toluene-D8 (SUR)	99%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	101%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.2

Client Sample ID:	MW1D-2		
Lab Sample ID:	J6698-2	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82177.D	1	08/19/05	DFT	n/a	n/a	VT2977
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	2.9	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.2 3

Client Sample ID:	MW1D-2		
Lab Sample ID:	J6698-2	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	107%		63-136%
2037-26-5	Toluene-D8 (SUR)	100%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	99%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.3

Client Sample ID:	MW1D-3		
Lab Sample ID:	J6698-3	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82178.D	1	08/19/05	DFT	n/a	n/a	VT2977
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	2.6	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1D-3		
Lab Sample ID:	J6698-3	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	104%		63-136%
2037-26-5	Toluene-D8 (SUR)	100%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	96%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1D-4		
Lab Sample ID:	J6698-4	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82179.D	1	08/19/05	DFT	n/a	n/a	VT2977
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.2	5.0	2.8	ug/l	J
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	1.8	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	67.6	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1D-4		
Lab Sample ID:	J6698-4	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	107%		63-136%
2037-26-5	Toluene-D8 (SUR)	98%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	98%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1D-5		
Lab Sample ID:	J6698-5	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82180.D	1	08/19/05	DFT	n/a	n/a	VT2977
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	0.89	1.0	0.49	ug/l	J
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	18.6	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	0.39	1.0	0.087	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1D-5		
Lab Sample ID:	J6698-5	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	106%		63-136%
2037-26-5	Toluene-D8 (SUR)	100%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	97%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.6

Client Sample ID:	MW2D-1		
Lab Sample ID:	J6698-6	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82181.D	1	08/19/05	DFT	n/a	n/a	VT2977
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	3.3	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2D-1		
Lab Sample ID:	J6698-6	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	106%		63-136%
2037-26-5	Toluene-D8 (SUR)	102%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	97%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.7 G5

Client Sample ID:	MW2D-2		
Lab Sample ID:	J6698-7	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82182.D	1	08/19/05	DFT	n/a	n/a	VT2977
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	2.0	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	0.50	1.0	0.14	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	61.6	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.7 3

Client Sample ID:	MW2D-2		
Lab Sample ID:	J6698-7	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	110%		63-136%
2037-26-5	Toluene-D8 (SUR)	101%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	98%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.8 3

Client Sample ID:	MW2D-3		
Lab Sample ID:	J6698-8	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82212.D	1	08/19/05	DFT	n/a	n/a	VT2979
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	1.1	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	4.5	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2D-3		
Lab Sample ID:	J6698-8	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	106%		63-136%
2037-26-5	Toluene-D8 (SUR)	98%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	97%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2D-4		
Lab Sample ID:	J6698-9	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82213.D	1	08/19/05	DFT	n/a	n/a	VT2979
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	0.46	1.0	0.14	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	51.5	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2D-4		
Lab Sample ID:	J6698-9	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	109%		63-136%
2037-26-5	Toluene-D8 (SUR)	96%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	98%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3D-1		
Lab Sample ID:	J6698-10	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82208.D	1	08/19/05	DFT	n/a	n/a	VT2979
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	1.2	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3D-1		
Lab Sample ID:	J6698-10	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	109%		63-136%
2037-26-5	Toluene-D8 (SUR)	100%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	100%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3D-2		
Lab Sample ID:	J6698-11	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82209.D	1	08/19/05	DFT	n/a	n/a	VT2979
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	1.1	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3D-2		
Lab Sample ID:	J6698-11	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	104%		63-136%
2037-26-5	Toluene-D8 (SUR)	100%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	99%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.12

Client Sample ID:	MW3D-3		
Lab Sample ID:	J6698-12	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82237.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.34	1.0	0.17	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	72.2	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.12 5

Client Sample ID:	MW3D-3		
Lab Sample ID:	J6698-12	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	105%		63-136%
2037-26-5	Toluene-D8 (SUR)	99%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	97%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	4.23	7.2	ug/l	J
420-56-4	Silane, fluorotrimethyl-	5.14	5.9	ug/l	JN
1066-40-6	Silanol, trimethyl-	8.51	58	ug/l	JN
	Total TIC, Volatile		71.1	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.13

Client Sample ID:	MW3D-4		
Lab Sample ID:	J6698-13	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82238.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

3.13

Client Sample ID:	MW3D-4		
Lab Sample ID:	J6698-13	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	106%		63-136%
2037-26-5	Toluene-D8 (SUR)	97%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	97%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3D-5		
Lab Sample ID:	J6698-14	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82225.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	0.47	1.0	0.14	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.2	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	27.7	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.14

Client Sample ID:	MW3D-5		
Lab Sample ID:	J6698-14	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	91%		63-136%
2037-26-5	Toluene-D8 (SUR)	97%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	100%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4D-1		
Lab Sample ID:	J6698-15	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82226.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2	T82290.D	2	08/22/05	DFT	n/a	n/a	VT2983

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	0.53	1.0	0.14	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	220 [a]	2.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	135	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4D-1		
Lab Sample ID:	J6698-15	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	98%	107%	63-136%
2037-26-5	Toluene-D8 (SUR)	98%	98%	90-110%
460-00-4	4-Bromofluorobenzene (SUR)	98%	96%	80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
420-56-4	Silane, fluorotrimethyl-	5.14	5.6	ug/l	JN
	Silanol, alkyl-	8.51	110	ug/l	J
994-05-8	Butane, 2-methoxy-2-methyl-	9.90	3.7	ug/l	JN
	Total TIC, Volatile		119.3	ug/l	J

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4D-2		
Lab Sample ID:	J6698-16	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82227.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	0.36	1.0	0.14	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	0.83	1.0	0.14	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.2	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	0.24	1.0	0.17	ug/l	J
108-88-3	Toluene	3.0	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

3.16 53

Client Sample ID:	MW4D-2		
Lab Sample ID:	J6698-16	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	92%		63-136%
2037-26-5	Toluene-D8 (SUR)	96%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	98%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.17

Client Sample ID:	MW4D-3		
Lab Sample ID:	J6698-17	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82228.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	3.5	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.17

Client Sample ID:	MW4D-3		
Lab Sample ID:	J6698-17	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	95%		63-136%
2037-26-5	Toluene-D8 (SUR)	98%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	98%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4D-4		
Lab Sample ID:	J6698-18	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82229.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	0.39	1.0	0.14	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.18 3

Client Sample ID:	MW4D-4		
Lab Sample ID:	J6698-18	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	97%		63-136%
2037-26-5	Toluene-D8 (SUR)	98%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	100%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.19

Client Sample ID:	MW4D-5		
Lab Sample ID:	J6698-19	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82231.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	0.34	1.0	0.14	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	35.0	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4D-5		
Lab Sample ID:	J6698-19	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	98%		63-136%
2037-26-5	Toluene-D8 (SUR)	98%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	97%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.20

Client Sample ID:	MW4D-6		
Lab Sample ID:	J6698-20	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82230.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	13.4	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

3.20 3

Client Sample ID:	MW4D-6		
Lab Sample ID:	J6698-20	Date Sampled:	08/10/05
Matrix:	AQ - Ground Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	98%		63-136%
2037-26-5	Toluene-D8 (SUR)	97%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	98%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	J6698-21	Date Sampled:	08/10/05
Matrix:	AQ - Trip Blank Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82232.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.21

Client Sample ID:	TB		
Lab Sample ID:	J6698-21	Date Sampled:	08/10/05
Matrix:	AQ - Trip Blank Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	101%		63-136%
2037-26-5	Toluene-D8 (SUR)	98%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	96%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.22 B

Client Sample ID:	FB		
Lab Sample ID:	J6698-22	Date Sampled:	08/10/05
Matrix:	AQ - Field Blank Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T82233.D	1	08/20/05	DFT	n/a	n/a	VT2980
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5.0	2.8	ug/l	
71-43-2	Benzene	ND	1.0	0.11	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.13	ug/l	
75-25-2	Bromoform	ND	1.0	0.32	ug/l	
74-83-9	Bromomethane	ND	1.0	0.23	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	3.3	ug/l	
75-15-0	Carbon disulfide	ND	1.0	0.29	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.10	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.14	ug/l	
75-00-3	Chloroethane	ND	1.0	0.30	ug/l	
67-66-3	Chloroform	ND	1.0	0.14	ug/l	
74-87-3	Chloromethane	ND	1.0	0.14	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.31	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.49	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.28	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.18	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.17	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.17	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.22	ug/l	
100-42-5	Styrene	ND	2.0	0.30	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.087	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.22 3

Client Sample ID:	FB		
Lab Sample ID:	J6698-22	Date Sampled:	08/10/05
Matrix:	AQ - Field Blank Water	Date Received:	08/11/05
Method:	EPA 624	Percent Solids:	n/a
Project:	GESNJ: S/S 3-2558 Branchburg, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.18	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.15	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.13	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	102%		63-136%
2037-26-5	Toluene-D8 (SUR)	98%		90-110%
460-00-4	4-Bromofluorobenzene (SUR)	97%		80-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GW
TB
FB

ACCUTEST Laboratories

CHAIN OF CUSTODY

2235 Route 130 Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

1002

Acoutest Job #: J6698

Client Information | Facility Information

EXXONMOBIL CORPORATION - Regional Laboratory Program (NY, NJ)

Consultants/Company Name: GES	Project Name: Exxon Branchburg
Address: 1340 Campus Pkwy	Street: 3-8922
City: Neptune State: NJ Zip:	City: Branchburg State: NJ
Project Contact: Phil Chang	ExxonMobil Manager: John Hannig
Sampler's Name: Clint P. Catania	ExxonMobil Manager's Phone #: 908 730 2636
Phone #: 732 919 0100 Extn: Fax #: 732 919 0916	Location ID#: WBS#:
AFE #:	PO#: Line#:

Analytical Information

Acoutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCL	NaOH	HNO3	H2SO4	None	NaHSO4	MEOH	Encore	8260 ☐ 624/8 ☐ 8021 ☐ 602 ☐ BTEX ☐ BENZENE ☐ MTBE ☒ TBA ☒ NAPHTHALENE ☐	8260 ☐ 624/8 ☐ TCL ☐ PPL ☐ MTBE ☐ TBA ☐ NAPHTHALENE ☐ +10 ☐ +15 ☐	8260 ☐ 8021 ☐ STARS LIST	8270 ☐ 625 ☐ TCL ☐ PPL ☐ BN ☐ PAH ☐ STARS LIST ☐ +15 ☐	Lead 6010 ☐ 200.7 ☐ 200.9 (DW) ☐ Total ☐ Dissolved ☐	Air - TO3 BTEX ☐ MTBE ☐ TPH ☐ Methane ☐	Air TO14: BTEX ☐ FULL LIST ☐	TPH-GRO 8015B	TPH-DRO 8015B	TPH 418.1 ☐ OQA-25 ☐						
-1	MW1D-1	8/10/05	1510	CPC	GW	3	X								X	X														
-2	MW1D-2	8/10	1514	CPC	GW	3	X								X	X														
-3	MW1D-3	8/10	1516	CPC	GW	3	X								X	X														
-4	MW1D-4	8/10	1519	CPC	GW	3	X								X	X														
-5	MW1D-5	8/10	1522	CPC	GW	3	X								X	X														
-6	MW2D-1	8/10	950	CPC	GW	3	X								X	X														
-7	MW2D-2	8/10	959	CPC	GW	3	X								X	X														
-8	MW2D-3	8/10	1003	CPC	GW	3	X								X	X														
-9	MW2D-4	8/10	1008	CPC	GW	3	X								X	X														
-10	MW3D-1	8/10	1334	CPC	GW	3	X								X	X														
-11	MW3D-2	8/10	1338	CPC	GW	3	X								X	X														

2067

Turnaround Time (Business days)

- ☒ Std. 10 Business Days — Approved By/Date
- ☐ 8 Day RUSH
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ Emergency T/A is for FAX or Lablink Data

Data Deliverable Information

- ☐ Commercial "A"
- ☐ Commercial "B"
- ☒ NJ Reduced
- ☐ NJ Full
- ☐ Other
- ☐ FULL CLP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format _____

Commercial "A" = Results only

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
[signature] 8/11/05	8/11/05	1 [signature] Storage	2	8/11/05 1000	2 [signature]
Relinquished by: 3 [signature]	Date Time: 8/11/05 1200	Received by: 3 [signature]	Relinquished by: 4	Date Time:	Received by: 4
Relinquished by: 5	Date Time:	Received by: 6	Seal # 918 Intact	Preserved where applicable ☐	On Ice ☐ Temp 25°C

4.1 4

J6698: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories

CHAIN OF CUSTODY

2235 Route 130 Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

2002

Accutest Job #: J6698

Client Information | Facility Information

EXXONMOBIL CORPORATION - Regional Laboratory Program (NY, NJ)

Consultant/Company Name: GES	Project Name: Exxon Branchburg
Address: 1340 Campus Pkwy	Street: 3-8922
City: Neptune State: NJ Zip:	City: Branchburg State: NJ
Project Contact: Phil Chang	ExxonMobil Manager: John Hannig
Sampler's Name: Clint P. Catania	ExxonMobil Manager's Phone #: 908-730-2636
Phone #: 732-919-0100 Ext. Fax #:	Location ID#: WBS#:
APE #:	PO#: Line#:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCL	NaOH	HNO3	H2SO4	None	NaHSO4	MEOH	Encore	8260 ☐ 624 ☒ 8021 ☐ 602 ☐ BTEX ☐ BENZENE ☐ MTBE ☒ TBA ☒ NAPHTHALENE ☐	8260 ☐ 624 ☒ TCL ☐ PPL ☐ MTBE ☐ TBA ☐ NAPHTHALENE ☐ +10 ☒ +15 ☐	8260 ☐ 8021 ☐ STARS LIST	8270 ☐ 625 ☐ TCL ☐ PPL ☐ BN ☐ PAH ☐ STARS LIST ☐ +15 ☐	Lead 6010 ☐ 200.7 ☐ 200.9 (DW) ☐ Total ☐ Dissolved ☐	Air - TO3 BTEX ☐ MTBE ☐ TPH ☐ Methane ☐	Air TO14: BTEX ☐ FULL LIST ☐	TPH-GRO 8015B	TPH-DRO 8015B	TPH 418.1 ☐ OQA-25 ☐
12	MW3D-3	8/10	1340	CPC	GW	3	X								X	X								
13	MW3D-4	8/10	1345	CPC	GW	3	X								X	X								
14	MW3D-5	8/10	1407	CPC	GW	3	X								X	X								
15	MW4D-1	8/10	1158	CPC	GW	3	X								X	X								
16	MW4D-2	8/10	1201	CPC	GW	3	X								X	X								
17	MW4D-3	8/10	1205	CPC	GW	3	X								X	X								
18	MW4D-4	8/10	1208	CPC	GW	3	X								X	X								
19	MW4D-5	8/10	1212	CPC	GW	3	X								X	X								
20	MW4D-6	8/10	1215	CPC	GW	3	X								X	X								
21	TB	8/8	1800	LAB	Liq	2	X								X	X								
22	FB	8/10	1440	CPC	Liq	2	X								X	X								

Turnaround Time (Business days)

- ☒ Std. 10 Business Days — Approved By/Date
- ☐ 8 Day RUSH
- ☐ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY

Emergency T/A is for FAX or Lablink Data

Data Deliverable Information

- ☐ Commercial "A"
- ☐ Commercial "B"
- ☒ NJ Reduced
- ☐ NJ Full
- ☐ Other
- ☐ FULL CLP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format _____

Commercial "A" = Results only

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1 [signature]	8/11/05 0815	2 Cold Storage	2 Cold Storage	8/11/05 1000	3 [signature]
3 [signature]	8/11/05 1220	3 Cold Storage	4		4
5		5	Seal # 918 7700	Preserved where applicable ☐	On Ice ☐ Temp 2.5°C

J6698: Chain of Custody
Page 2 of 2

ATTACHMENT FFF

FLANNERY, WEBB & HANSEN, P.A.

CIVIL ENGINEERS • LAND SURVEYORS • SITE PLANNERS
LANDSCAPE ARCHITECTS • ENVIRONMENTAL CONSULTANTS

1011.252
August 10, 2005

Groundwater and Environmental Services, Inc.
Monmouth Shores Corporate Park
1340 Campus Parkway (Bldg. B)
Neptune, New Jersey 07753-6829

Attn: Dene O'Connor

Re:EXXON STATION # 3-2558
#936 ROUTE #202 SOUTH
BRANCHBURG,N.J.

G.E.S. No.# 03-05213-02-284

Dear Dene:

The following list of well casing elevations are based on a Bench Mark with an elevation of 58'. All elevations were taken at a black mark on the top of the well casing.

MW#	PVC	RIM
1D	77.03	77.76
2D	85.56	86.14
3D	73.10	73.81
4D	72.39	73.04

Field measurements were made on 08-05-05. An on-site Bench Mark (PK) was set with an elevation of 72.28'. See attached well location for further details. Should you have any questions or require additional information, please do not hesitate to contact this office.

Sincerely,

John Crosio

Doc: 1011252

P.O. BOX 456 • LAKEWOOD • NEW JERSEY • 08701 • PHONE 732-797-3100 • FAX 732-797-3223

MONITORING WELL CERTIFICATION FORM B – LOCATION CERTIFICATION

Name of Owner: **EXXON/MOBIL CORP.**
Name of Facility: EXXON STATION #3-2558
Location: #936 ROUTE #202 SOUTH,BRANCHBURG ,N.J.
Case Number(s): #92-12-28-1431-33-18 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: **25000-64294**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **MW- 1D**

Longitude: West **74°-40'-58.4"** Latitude: North **40°-34'-06.3"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North **632025.65** East **441320.48**

Elevation of Top of Inner Casing (cap off) at Reference mark (nearest 0.01'): RIM **77.76** PVC **77.03**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

KV 6570 (58')

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE **08-10-05** DATE

William P. Schemel – License No. 36275
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

1658 Route 9, Toms River, N.J. 08755 **(732) 797-3100**
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B – LOCATION CERTIFICATION

Name of Owner: **EXXON/MOBIL CORP.**
Name of Facility: EXXON STATION #3-2558
Location: #936 ROUTE #202 SOUTH,BRANCHBURG ,N.J.
Case Number(s): #92-12-28-1431-33-18 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: **25000-64295**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **MW- 2D**

Longitude: West **74°-40'-56.8"** Latitude: North **40°-34'-07.9"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North **632189.91** East **441440.83**

Elevation of Top of Inner Casing (cap off) at Reference mark (nearest 0.01'): RIM **86.14** PVC **85.56**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

KV 6570 (58')

Significant observations and notes:

AUTHENTICATION

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Name of Owner: **EXXON/MOBIL CORP.**
Name of Facility: EXXON STATION #3-2558
Location: #936 ROUTE #202 SOUTH,BRANCHBURG ,N.J.
Case Number(s): #92-12-28-1431-33-18 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: **25000-64296**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **MW- 3D**

Longitude: West **74°-40'-57.7"** Latitude: North **40°-34'-05.8"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North **631969.91** East **441369.30**

Elevation of Top of Inner Casing (cap off) at Reference mark (nearest 0.01'): RIM **73.81** PVC **73.10**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

KV 6570 (58')

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

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William P. Schemel – License No. 36275
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

1658 Route 9, Toms River, N.J. 08755 **(732) 797-3100**
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

MONITORING WELL CERTIFICATION FORM B – LOCATION CERTIFICATION

Name of Owner: **EXXON/MOBIL CORP.**
Name of Facility: EXXON STATION #3-2558
Location: #936 ROUTE #202 SOUTH,BRANCHBURG ,N.J.
Case Number(s): #92-12-28-1431-33-18 (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION
Well Permit Number: **25000-64297**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **MW- 4D**

Longitude: West **74°-40'-55.5"** Latitude: North **40°-34'-06.6"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North **632053.24** East **441542.07**

Elevation of Top of Inner Casing (cap off) at Reference mark (nearest 0.01'): RIM **73.04** PVC **72.39**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

KV 6570 (58')

Significant observations and notes:

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

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William P. Schemel – License No. 36275
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

1658 Route 9, Toms River, N.J. 08755 (732) 797-3100
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

ATTACHMENT GGG

DRAFT

REMEDIAL INVESTIGATION REPORT – SUPPLEMENT A

FOR

SHOPLOCK SUNOCO SERVICE CENTER

954 STATE ROUTE 202
BRANCHBURG TWP., SOMERSET COUNTY, NEW JERSEY

PREPARED FOR:

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF PUBLICLY FUNDED SITE REMEDIATION
TRENTON, NEW JERSEY

PREPARED BY:

L. ROBERT KIMBALL & ASSOCIATES
ARCHITECTS & ENGINEERS, INC.

EBENSBURG, PENNSYLVANIA TRENTON, NEW JERSEY

August 2005

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EXECUTIVE SUMMARY

This Supplemental Remedial Investigation Report was prepared by L. Robert Kimball & Associates, Inc. (Kimball) for the New Jersey Department of Environmental Protection (NJDEP) Division of Remediation Management and Response and is presented as a supplement to the Remedial Investigation Report for Remedial Investigation/Remedial Alternatives Selection Evaluation for Shoplock Sunoco (Shoplock). This Supplemental RI was conducted from July 2004 through November 2004, to further evaluate previously identified petroleum hydrocarbon ground water impacts and to provide additional plume delineation of said impacts to the south and east of the Shoplock property.

Intrusive activities conducted during this investigation included the advancement of thirteen soil borings to split-spoon refusal: five located on the Shoplock property around an unknown UST, six in the vicinity of the SMW 7 monitoring well cluster and two in the parking area of the Overhead Door/Pella Windows property. The borings were advanced using standard hollow stem auger techniques until split spoon refusal on bedrock was encountered.

Each of the six borings advanced on the Branchburg Partners property were advanced to the bedrock surface, with depths ranging between approximately 15 to 17 feet below ground surface. Elevated PID and FID readings were reported from soil samples retrieved from each of the six soil borings. PID readings ranged from non-detect to greater than 2000 parts per million, while FID readings ranged from non-detect to 790 parts per million. Unconsolidated materials encountered in the borings included a surficial layer of asphalt and crushed gravel subbase underlain by reddish brown silts, silty clays and sandy silts to a depth of approximately six feet. A layer of light grey silt was noted between approximately six and eight feet in these borings. This layer produced the highest PID and FID readings and was noted to emit strong petroleum hydrocarbon odors. Reddish brown sandy silt, clayey silt, shale saprolite was noted below the light grey silt layer and extended to the apparent bedrock surface. Elevated PID and FID readings were also noted within these materials.

Review of analytical data for soil samples collected from the Branchburg Partners property indicated elevated concentrations of benzene above the NJDEP Impact to Groundwater Soil Cleanup Criteria in samples collected from five borings, and elevated concentrations of xylenes (total) above the NJDEP Impact to Groundwater Soil Cleanup Criteria in one sample. These soil impacts are not suspected to be related to verified impacts on the Shoplock property, but appear to be indicative of another potential contaminant source.

Borings advanced on the Shoplock property encountered split-spoon refusal at a depth of approximately 7.5 feet below ground surface on weathered shale bedrock. Whereas borings advanced on the Overhead Door/Pella Windows property encountered refusal on shale bedrock at depths of approximately 9.5 feet below ground surface. No elevated PID or FID readings were noted for soil samples obtained during the advancement of borings on the Shoplock or Overhead Door property.

Review of analytical data for soil samples collected from the Shoplock and Overhead Door propertied did not indicated elevated concentrations of volatile organic compounds, semi-volatile

organic compounds or lead above NJDEP soil cleanup criteria.

Investigation of a formerly unknown UST on the Shoplock property indicated that the tank was a single walled, steel tank of 550-gallons capacity. Inspection of the tank's contents indicated that the tank was partially filled with sand and the remaining portion filled with oily water. The UST was noted to be in very poor condition with numerous visible holes. Analysis the tank's contents indicated that the liquid contained elevated concentrations of benzene, cis-1,2-dichloroethene, 1,1-dichloroethene, methylene chloride, trichloroethene, vinyl chloride, and lead at concentrations above the GWQS.

In addition, site activities included the installation of four additional well clusters; one cluster located in the easement right-of-way on the Overhead Door/Pella Windows property, one cluster on the McDonald's property, one cluster within the medial strip of Route 202 and one in the southern-most portion of the Branchburg Partners property. The wells were positioned to fill data gaps realized during the initial RI activities and to further delineate the horizontal extend of the identified petroleum hydrocarbon plume. In accordance with our previous RI investigations, each well cluster included a shallow and intermediate depth bedrock well.

Two rounds of ground water samples were collected during this supplemental investigation and submitted for analysis of volatile organic compounds (VOC). The first round included the eight newly installed wells plus all wells sampled during the previous RI investigation (for a total of 25 wells); whereas, the second round of sampling included only the eight newly installed wells. Two former potable wells, converted to monitoring wells by the NJDEP were also abandoned by tremie grout methods during this effort.

Results of ground water sampling for first round of supplemental investigation activities indicate that VOC impacts were again noted in wells located cross-gradient and down gradient from the Shoplock facility. Concentrations of investigation driver parameters (BTEX, TBA, and MTBE) were consistent with results of previous sampling efforts conducted during our RI activities. Ground water sample results indicate that investigation driver contamination was not detected at concentrations above the GWQS in the any of the eight newly installed wells. Comparison of analytical data from the second round of supplemental ground water sampling verified the first round sampling results and confirmed the apparent eastern limit of the previously identified VOC plume.

Trichloroethene was again reported at concentrations exceeding the GWQS in the sample collected from the former Varju potable well during the first round of Phase 2 ground water sampling. Trichloroethene was also reported above the GWQS in samples collected from wells SMW11S and SMW11M during both rounds of Phase 2 ground water sampling. Review of the available TCE data suggests that the likely source is proximate to the SMW11 series wells and the Varju well.

Remedial Investigation Report
SHOPLOCK SUNOCO SERVICE CENTER
BRANCHBURG TWP., SOMERSET COUNTY, NEW JERSEY

1.0 INTRODUCTION

The New Jersey Department of Environmental Protection (NJDEP) Division of Publicly Funded Site Remediation contracted with L. Robert Kimball & Associates, Inc. (Kimball) to perform a Remedial Investigation and Remedial Actions Selection Evaluation (RI/RASE) of the former Shoplock Sunoco Service Center (Shoplock), currently operating as a Gulf Station. This work was conducted in accordance with the contracted scope of work, NJDEP *Technical Requirements for Site Remediation*, the Program Wide Master Quality Assurance Project Plan (MQAPP) and Program Wide Master Health and Safety Plan (MHASP).

Intrusive field activities conducted by Kimball from October 2001 to October 2002 (herein referred to as Phase 1) demonstrate significant onsite contamination as well as offsite migration of the contaminants. Evaluation of the data evidenced several data gaps associated with offsite contamination and potential source delineation. These data gaps include:

- The lack of soil sampling data/source delineation on the Branchburg Partners Property, where evidence of what was theorized to be a former UST cavity was observed during monitoring well installations. Soil sampling was not permitted at the time due to the constraints stipulated in the Site Access Agreement.

- The necessity of additional investigation of the hitherto unknown underground storage tank, identified during geophysical survey and verified by test pit, found on the Shoplock Property.

- Correlation of historic data showing contamination of the McDonald's Property with the latest sampling data collected during performance of the RI. Comparison of present soil/groundwater conditions is essential in the assessment of multiple sources of impact to the contamination plume(s) evidenced by recent intrusive activities.

Supplemental remedial investigative activities were required to allay the above-mentioned data gaps, thereby identifying and further delineating the extent of environmental contamination related to the site. The investigation design and rationale also included obtaining data in a quantity and quality needed for future enforcement actions and assessing potential remedial alternatives. This report presents a detailed description of: the work performed; methodologies and equipment used; sample types and locations; analyses conducted in the field and laboratory; site specific procedures for sample management and control; waste management procedures; and presentation of analytical data and derived conclusions.

To meet the objectives of the Supplemental Remedial Investigation (RI), a field investigation was performed which included the following major components:

- Site reconnaissance of the subject properties and the neighboring properties.
- Adaptations of the site specific Health and Safety Plan, Site Sampling Investigation Plan and RI/RASE Program-Wide Quality Assurance Plan.
- Geophysical Investigation/Utility Clearance consisting of a comprehensive survey conducted over designated areas of concern, using complementary geophysical techniques including: electromagnetics (EM) and ground penetrating radar (GPR).
- Soils investigation including the advancement and sampling of soil borings at selected onsite and offsite locations;
- Hydrogeologic investigation including the installation, development, and sampling of monitoring wells, as well as, sampling of select existing monitoring wells;
- Site mapping and surveying to define site planimetrics, topography and the spatial location of all sampling points.

2.0 ENVIRONMENTAL SETTING

The following sections present descriptions of the Shoplock Site location, historical land uses, current and past site operations, and physical characteristics of surface and subsurface features as they relate to the field activities. For detailed information about the overall environmental setting of the site refer to the Remedial Investigation Report Volumes I & II, prepared by Kimball for the NJDEP in March 2003.

2.1 Project Background

The Shoplock property, located at 954 Route 202 South Branchburg Township, Somerset County, is currently operated under lease agreement as a Gulf Service Station. The site is comprised of approximately .6586 acres of land and is designated as Block 44 Lot 30 on the applicable current tax map of Branchburg Township.

As shown on **Figure 1 - Site Location Map**, the site is located west of Milltown, in Branchburg Township. **Figure 2 - Site Layout Map** shows the current property as situated in a mixed commercial/residential section of the township. The site is bordered on the north, east and west by residential/commercial properties and to the south by State Route 202. The current owner of this property is Daniel Shoplock. The NJDEP Facility ID Number for this property is 0055901.

Refer to **Figure 3 – Site Survey Map** to view surveyed areas of the site. The majority of the property is covered by structures or bituminous asphalt paving. Surface topography is relatively flat with a slight dip to the south. The property is fenced to the north, between the Gulf Station and a commercial business known as The Overhead Door Company.

In March 2003 a Remedial Investigation (RI) Report was prepared by Kimball for the New Jersey Department of Environmental Protection (NJDEP) Division of Remediation Management and Response. The associated RI was conducted, from October 2001 thru October 2002 to investigate soil and ground water contamination at the Shoplock Sunoco Site located at 954 State Route 202, Branchburg Township, Somerset County, New Jersey.

Current operations at the Shoplock facility appear to be limited to vehicle fueling. There are two structures currently located on the property. The main structure is a single-story block building, which occupies a significant portion of the lot, and is currently being utilized as a 2-bay service garage and office/storage building. Features associated with this structure include: two garage bays with hydraulic floor lifts; office and rest room facilities. A small storage "shed" is found adjacent to the rear. The second "structure" is a canopied fuel-dispensing center, comprised of two full-service fueling islands with eight multi-grade gasoline dispensers and one diesel fuel dispenser. A single additional diesel fuel dispenser can be found to the north-east of the canopy area.

The central and southern portions of the site are covered by bituminous asphalt pavement and/or concrete pads which overlie the USTs and comprise the vehicle fueling apron beneath the dispenser canopy. The northern portion of the site is dominated by grassy areas and a fenced enclosure located immediately north of the garage/office building.

According to the current NJDEP UST Facility Database, the following underground storage tanks are currently in-use on site: one 8,000-gallon double-wall fiberglass tank storing medium diesel fuel; one 1,000-gallon single wall tank (unknown material) storing kerosene; and one 6,000-gallon single wall steel tank storing unleaded gasoline. A 10,000-gallon double-walled fiberglass tank, used to store diesel fuel, is also present on the site. The NJDEP Facility ID Number for this property is 0055901.

In 1987, the New Jersey Department of Environmental Protection and Energy (Department) received notification of a discharge of hazardous substances regulated under the Underground Storage of Hazardous Substances Act. The discharge was confirmed during the removal of two 3,000 gallon gasoline underground storage tanks and one 1,000 gallon kerosene underground storage tank. Reportedly, the USTs were free of corrosion at the time of removal. Post-excavation samples were not taken at the time of UST closure; therefore, four monitoring wells (MWs 1-4) were installed at the site in February of 1988 to comply with State and Federal requirements.

On March of 1989, the Department conducted an investigation at the site as part of a ground water investigation in Branchburg Township. The investigation was prompted after the Branchburg Inns' water supply well revealed concentrations of benzene at 73 ppb. Results of these analyses showed that MW1 had concentrations of 63.7 ppb and 1034 ppb for benzene and ethylbenzene, respectively. In addition, benzene was reported at 311 ppb in MW2; 177 ppb in MW3; and 324 ppb in MW4.

In August of 1991, the Department sent a letter stating the requirements for the proper investigation at the former Shoplock Sunoco area. NJDEP notified Daniel Shoplock in September of 1993 that additional remedial investigation was necessary to determine the extent of soil and ground water contamination at the site. As a result, Daniel Shoplock retained the services of an environmental consultant to conduct a soil and ground water investigation of the site. Four existing monitoring wells, installed in 1988, were inspected during their ground water investigation in 1994 and found to be unsuitable due to construction concerns. Petroleum hydrocarbon odors were apparent in each of the four of the wells. Therefore, three new wells were installed on site in April of 1994. Two of the three were installed in the vicinity of the former tank field. These three new wells were sampled in May of 1994, with concentrations of methyl tert butyl ether, tertiary butyl alcohol, and lead detected in the wells near the former tank field.

A soil-sampling/test pit program was initiated in April of 1994. Soil samples were obtained from test pits advanced in the vicinity of the former underground storage tanks. Elevated concentrations of volatiles (including xylenes and ethylbenzene) were detected in several of the samples. Several halogenated compounds were also identified as TICS.

Additional ground water sampling conducted in 1996 indicated elevated concentrations of lead, 1,2-dichlororethane and toluene were present in the onsite potable well. One well located near the former UST area showed detections of ethyl benzene, methylene chloride, benzene, toluene, and xylenes (total). Subsequent sampling conducted within the Route 202 project corridor in 1998 under BEMQA/EMS oversight identified elevated concentrations of gasoline related volatile organic compounds within three monitoring wells installed on the Shoplock property.

The Branchburg Township Division of Code Enforcement received an application from Chevron (the owner of the site in question at that time) for removal of two 2,000-gallon underground storage tanks in November of 1978; however, there is no record of what happened to these tanks upon removal from the site.

In February of 1988, Dan Shoplock obtained a permit to remove two 3,000-gallon underground tanks and to remove a 1,000-gallon underground kerosene tank. NJDEP personnel collected ground water samples from the four on-site monitoring wells and the on-site potable well during a follow-up inspection in April of 1989. As stated earlier, elevated levels of volatile organics were found in these on-site wells. The NJDEP/Division of Water Resources/Northern Bureau of Regional Enforcement issued a directive letter to Daniel Shoplock in August of 1991 to initiate a ground water monitoring program to evaluate the unauthorized discharge of pollutants to the ground water noted in the April 1989 sampling that occurred. Shoplock was required to collect two rounds of samples from the potable and monitoring wells. He was also required to determine the source of the discharge(s) and delineate the extent of the ground water contamination resulting from the said discharges. Subsequent ground water sampling efforts conducted by Daniel Shoplock's consultant indicated that volatile organic compounds were again found within these samples collected from on-site wells. Specific contaminants found in the monitoring wells included benzene, toluene, ethylbenzene, 1,1-dichloroethane and 1,1,1-trichlororethane. Contaminants were not detected in the on-site potable well. It appears that Shoplock continued to operate the gasoline station and vehicle repair facility until 1993, at which time he leased the property for similar uses.

NJDEP notified Mr. Shoplock in September that additional investigation was necessary to determine the extent of the soil and ground water contamination. Mr. Shoplock was granted several extensions for submission of the remedial action work plan. Reportedly, Mr. Shoplock's environmental consultant completed site investigations in 1994. The case has been referred to the New Jersey Division of Law for possible enforcement actions. The Division of Law has been negotiating with Mr. Shoplock to pursue additional remedial activities at the site.

Intrusive activities, conducted as part of this investigation, indicate a relatively thin layer of unconsolidated soils exist on the site and that site preparation and earthwork activities have altered portions of the soil horizon to create the current site conditions. Excavated areas are evident within the asphalt paved area near the garage bay doors, within the current UST field located east of the overhead canopy, beneath the overhead dispenser island canopy and along the Route 202 right of way. Excavations along the Route 202 right of way include trenches for the installation of storm and sanitary sewer structures, a high pressure natural gas line, and potable water service. Naturally occurring soils were observed beneath the asphalt pavement/gravel subbase layer at approximate depths of less than one foot. Natural soils observed onsite consisted primarily of sandy silts and clayey silts. This loamy material ranged in depth from approximately six to nine feet. Shale and siltstone bedrock was encountered beneath the unconsolidated soil horizon, with the upper eight to ten feet of the shale bedrock being highly weathered, saprolitic and fractured. More competent shale and siltstone was encountered at depths ranging from 16 to 25 feet below ground surface and was noted to be fractured and jointed throughout the depths investigated.

Several areas of significant fill materials were noted on the Shoplock property during the completion of this investigation. Notable areas of fill included the current motor fuel UST cavities

and piping excavations, a suspected waste oil UST located in front of the service bays and a former UST excavation located between the current UST field and the overhead canopy. Soil borings were strategically located around active USTs and appurtenances to avoid damage to said structures. Soils encountered within the former UST cavity included mixed fill materials comprised of silty and gravelly sands, along with varying amounts of apparent demolition debris (asphalt and concrete rubble and metal), presumably placed into the open excavation after removal of the former UST. Soils within this excavation were stained black and exhibited a petroleum hydrocarbon odor.

Geophysical surveys completed at the Shoplock site as part of this investigation, identified and verified the locations of several areas of possible buried structures and/or fill areas. These areas included subsurface utility lines, the existing underground storage tanks and associated subsurface appurtenances currently used at the site, two additional buried objects interpreted as possibly representing underground storage tanks (waste oil and heating oil USTs) and numerous buried pipes and cable associated with the fuel dispensing system.

Intrusive activities were also conducted on the following properties: Branchburg Partners; the New Jersey Department of Transportation; and the former Partak property. These activities included the sampling of soil and the installation of shallow and intermediate depth ground water monitoring wells. Investigation of the off-site areas produced similar results in type and thickness of residual soil cover and depth to weather and competent bedrock surfaces as was observed on the Shoplock site. An area of suspected petroleum hydrocarbon impacted soil was encountered in the unconsolidated soil zone on the Branchburg Partners property in the vicinity the SMW-7 series monitoring wells. Due to restrictions imposed by the access agreement, soil samples could not be collected and submitted for analytical testing to verify the suspected petroleum hydrocarbon impacts.

Results of soil sampling activities conducted during this investigation indicate that surface and subsurface soil contamination was not found to be widespread throughout the Shoplock site. The identified soil impacts were limited to the area of the former 4,000-gallon UST cavity located east of the overhead dispenser island canopy and along the southern and eastern edges of the dispenser canopy. Elevated PID and FID readings were noted from soil samples collected from these areas. Specifically, concentrations of benzene, ethylbenzene, and xylenes (total) were reported in soil samples collected from these areas.

Ground water contamination was detected in both shallow (water table) and intermediate monitoring wells sampled at the Shoplock Sunoco site during Phase 1 sampling efforts. Based on sampling results, ground water contamination is more prevalent in the shallow zone near the water table surface as opposed to deeper zones of the aquifer. This observation would be expected where contaminants of concern include compounds with specific gravities less than one, as is commonly found in gasoline and motor fuel related compounds. These compounds tend to float near the ground water surface until such time that the compounds degrade and dissolve into solution, thereby becoming more mobile, and dissipating laterally in both horizontal and vertical directions.

Kimball conducted a 72-hour pumping test to establish hydrogeologic characteristics of the local area. The test included pumping for a maximum of 72 hours from a newly installed well constructed in the intermediate-level bedrock beneath the site, on the southeast corner of the

Shoplock property (SMW3M). Observation wells were selected from three existing and seven newly installed wells proximate to the pumping well. The aquifer test was a three-step process, including a step-drawdown test (to determine optimum pumping rate), a pumping test (to collect data as described above) and a recovery test (to monitor recovery of the impacted wells). Comparison of drawdown/recovery data between shallow and intermediate wells indicates that these zones are hydraulically connected. The shallow bedrock appears to be highly fractured (creating almost unconsolidated material-like conditions) and groundwater movement is dictated mainly by dip and partially by artificial influence of subsurface structures and fill materials. The intermediate bedrock appears to be less fractured and although groundwater also flows predominantly down-dip, its movement is highly influenced by preferential flow zones exhibiting larger fractures.

Review of the observed ground water impacts suggest that the contamination is primarily limited to volatile organic compounds, including benzene, MTBE, TBA, 1,1-dichloroethene and trichloroethene. No semivolatile organic compounds or lead were noted above the Ground Water Quality Standard (GWQS) within any of the ground water samples collected as part of Phase 1 investigations.

The presence of significant concentrations of MTBE and TBA suggests that the observed ground water contamination is the result of a release(s) of unleaded gasoline. Further review of the data indicates that the likely source of the VOC contamination noted during this investigation emanated from releases of fuel from underground storage tanks or appurtenances containing unleaded gasoline located at the Shoplock facility. No on-site source for the observed trichloroethene concentrations noted in off-site wells was identified during this investigation.

2.2 Soils and Geology

The Shoplock property is located in Branchburg Township, Somerset County, which is situated in the Piedmont Physiographic Province of the Appalachian Plateau. The Piedmont Physiographic province in central New Jersey trends northeast-southwest. It is composed of a Mesozoic sedimentary wedge, which is in fault contact with the New Jersey Highlands to the west and northwest. To the southeast, the Atlantic Coastal Plain Province occupies Southeast and Southern New Jersey.

According to the US Department of Agriculture Soil Conservation Service (USDASCS), the soils in the area proximate to the site are classified as Birdsboro silt loam with 2 to 6 percent slopes. Birdsboro soils, part of the Rowland-Birdsboro-Raritan soil association, formed in old alluvium. The USDASCS further reports that, near the site, the Birdsboro profile includes well-drained, slowly permeable (0.6 to 2.0 inches per hour) silt loams found on higher parts of terraces. Beneath this a reddish brown, strongly acid silt loam 8 to 12 inches below the surface may be found. Below 12 inches unaltered soil is described as strongly acid and very strongly acid, silty or sandy loam layers. The amount of sand and gravel in the soil becomes significant at depths of 56 to 70 inches below the surface, where permeability is highest. Permeability increases with depth and the amount of sand and gravel mixed in the soil. The permeability ranges from 0.6 to 2.0 inches per hour in the upper subsurface layers to 0.6->6.0 inches per hour to the lowest soil layers.

Development activities on the site have altered the majority of surface areas of soil. A significant amount of site soils have been excavated or regraded during construction/development activities. Many paved surfaces and above/below-grade structures are present. Backfilling for underground storage tanks has imported gravel. Indigenous earth material was encountered at depths of one foot or less, beneath concrete and paved surfaces and a gravel sub-base at depths of one foot or less. In general, paved surfaces were underlain by less than 3 inches of gray gravel. Beneath this gravel sub-base was usually fragmented or weathered shale, or brownish-red silt with shale fragments and trace sand, encountered from 2 to 6 feet (where fill is not present). Unpaved areas had a dark brown layer of topsoil about 3 to 4 inches thick. Below the topsoil was usually 1 to 13 feet of reddish-brown or brown, sandy or gravelly silt, sometimes including fragments of brownish-red shale.

The bedrock of Somerset County is comprised of the Passaic Formation (formerly known as the Brunswick Formation) of the Newark Supergroup. The Newark Supergroup is composed of conformable late Triassic to Early Jurassic sediments and includes several formations composed of mudstone, siltstone, shale, sandstone, conglomerate, and two discrete basalt flows. The Passaic Formation includes gradational sequences of mudstone, siltstone, and sandstone and is a principal aquifer in central New Jersey. Regionally, the Passaic includes grayish-red to reddish-brown, thin to thick bedded, evenly to irregularly bedded shale, siltstone, very fine to coarse-grained sandstone and red matrix conglomerates. In the area of the site, the Passaic includes grayish-red and brownish-purple siltstone and shale, some mudstone, and sparse gray siltstone and shale.

After successive intervals of deposition and erosion during the early to middle Paleozoic Era, the late Paleozoic saw folding and faulting that eventually created the Appalachian Mountains to the west. Tectonic compression uplifted a major portion of eastern North America into permanent land. During the late Triassic, erosion material from higher land to the west was deposited in low plains and basins of the present Piedmont region. During the latest Triassic, the entire sedimentary sequence tilted gently to the northwest and was faulted. This Mesozoic sedimentary wedge forms a half-graben basin with the major footwall being the New Jersey Highlands to the west.

The geology of the site is the product of Upper Triassic and Lower Jurassic fluvial and lacustrine sediments. Similar sedimentary deposits can be found along the east coast from South Carolina to Nova Scotia. The Passaic Formation ranges in thickness from 6,000 feet to a maximum thickness of 11,810 feet and is in conformable contact with underlying Triassic formations. The rock in the area around the site includes normal faults and gentle folds. Normal faults become more numerous toward the Highlands and they trend north to east-northeast and dip moderately to steeply east to south-southeast. The site lies approximately about a mile down limb east of an anticline axis. Based on the USGS Bedrock Geologic Map of Northern New Jersey, the local bedrock dips 10 degrees northeast. A gray shale bed included on the map was encountered in one boring during coring operations on-site between the depths of 51 and 56 feet below ground surface.

The Bedrock Geologic Map of Northern New Jersey shows the Passaic Formation in the vicinity

of the site strikes largely north south with localized sections trending northwest southeast. The dip angle in the vicinity of the site, as per available mapping products, shows a 10 degree dip to the northeast.

Rock material and cores obtained during boring and coring operations at the site were predominantly intensely bedded, brownish-red shale, and massive brownish-red siltstone and mudstone. Less common, and at relatively deeper levels, was a gray to dark gray, slightly harder shale less than six feet thick. Small void structures found in the rock cores included sub-horizontal bedding-plane partings, steep-angle fractures, and solution cavities. Of the three structures, the sub-horizontal partings were the most common. Horizontal partings typically dipped $\leq$10 degrees. Vertical fractures were commonly found to dip 70 to 80 degrees. Solution cavities ranging from a few millimeters to about 25 millimeters were found to occur mostly in clusters. Infrequently, the drillers encountered what they inferred to be voids in the rock as large as four to eight inches. When the cores were removed from these assumed intervals of void space, the rock core was very broken and very weathered.

Void structures included varying degrees of weathering of the rock, which coincided with the absence of calcite, and were sometimes accompanied by a sooty black precipitate. Typically, calcite was found in the all three types of void structures. However, calcite was much less common where weathering of the rock was stronger, and completely absent where the rock was very weathered. Where the rock cores were moderately to very weathered, a black precipitate was usually present. The black precipitate occurs as a very thin sooty layer on the rock and is most likely iron and manganese bicarbonates precipitated when carbon dioxide was liberated from water.

2.3 Hydrogeology

The site is located in the Piedmont Physiographic Province and is also part of the Lower Raritan River drainage basin. Sandstone, shale, conglomerates, argillate, and some diabase intrusions underlie most of the province. All of these are part of the Newark group, which are late Triassic to Early Jurassic in age. Major formations of the Newark group include the Lockatong Argillite, Stockton Sandstone and the Passaic Formation. The Shoplock site is located in an area that is underlain by the Passaic Formation, which is the youngest of the Newark Group members. Over the region, the Passaic Formation is composed of grayish-red to reddish-brown, thin to thick bedded, evenly to irregularly bedded shale, siltstone, very fine to coarse-grained sandstone and red matrix conglomerates. The Passaic Formation can have a thickness of up to 6,000 feet.

2.4 Surface Water Hydrology

The nearest body of surface water is an unknown tributary of the North Branch Raritan River, which is 600 feet west of Shoplock Sunoco Service Center. The North Branch Raritan River is 1,800 feet from the site while the Raritan River is 1.1 miles away from the site. Ground water flow is to the southeast of the unknown tributary. This creates a potential for contaminants to migrate into the stream via the ground water migration pathway. The Elizabethtown Water Company serves approximately 177,000 people with surface water intake from the confluence of the Millstone and Raritan Rivers, which is 9.5 miles downstream from the site.

3.0 REMEDIAL INVESTIGATION

Supplemental remedial investigation activities at the Shoplock Site were conducted between July 2004 and November 2004. Sampling was conducted in and around potential contaminant source areas and in areas, which could be or have been impacted by contaminant migration. Sampling was biased upon previous investigation results, geophysical investigation results, areas of known environmental concern, visible indicators, environmental conditions, field instrument measurements, sensory characteristics, the location and nature of potential receptors, and other indicators. Soil borings were advanced for the collection of subsurface soil samples and monitoring well were utilized for the collection of ground water samples.

Soil samples were collected from a total of 13 soil borings. These borings included 5 on-site soil borings, and 8 soil borings advanced on two neighboring properties to the east and south. Locations for the soil borings were selected to assess the horizontal and vertical soil contamination migration with specific areas of concern previously identified during our investigative efforts or to assess the potential for offsite migration of site contaminants.

Groundwater samples were collected from a total of 25 monitoring wells. These wells included 11 on-site wells installed during Kimball's Phase 1 investigative effort*; 4 off-site wells installed during Kimball's Phase 1 investigative effort*; 2 former potable wells (converted by NJDEP to a monitoring well)*; and, 8 off-site newly installed monitoring wells. One round of ground water samples was collected from the designated 25 monitoring wells from 10/1/04 to 10/6/04. A second round of sampling of just the 8 newly installed monitoring wells was performed during the week of 11/8/04.

*Note: These wells were sampled in two previous rounds during Kimball's initial site investigation (Phase 1).

Table 1 – Sample Summary provides a summary of the samples collected and **Figure 3 – Sample Location Map** shows the sample locations for all phases of the investigation. **Appendix A – Boring Logs** and **Appendix B – Monitoring Well Construction Diagrams, Well Permits** provide records of borings and wells completed.

3.1 Geophysical Investigation/Utility Clearance

A geophysical survey was conducted at each proposed monitoring well installation location within the easement Right-of-Way of the Shoplock property, on the McDonald's and Branchburg Partners properties and in the NJDOT Route 202 median. The objectives of the geophysical surveys were to clear utilities, and/or locate and identify other buried objects that might have posed a hazard to subsequent intrusive activities (pipes, cables, etc.). Results of the geophysical surveys were used to direct site investigation activities.

The geophysical surveys began by completing the N.J. One-Call for notification of affected utility operators before initiation of on-site intrusive investigations. Subsequently, two complementary geophysical techniques; electromagnetic (EM) and ground penetrating radar (GPR) were used at the site. These techniques are non-destructive, only require surface measurements, and are relatively

immune to interference from surface features such as buildings and cars. No subsurface anomalies or utilities were located in the proposed intrusive locations.

3.2 Soil Borings and Sampling

Soil borings were used to further characterize site soils and to provide additional information concerning the horizontal and vertical extent of contamination in the unsaturated zone within one on-site and two off-site areas of concern. Specifically, these areas include the area surrounding a previously unknown UST identified on the Shoplock property in front of the garage bays; the easement right-of-way to the Shoplock property on the neighboring Overhead Door/Pella Windows property; and the area surrounding the off-site SMW-7 monitoring well cluster, located on the Branchburg Partners property.

Borings were advanced by methods outlined in the MQAPP and in accordance with the Substance and Percolation Waters Act, N.J.S.A. 58:A-4.1. During boring activities, qualified Kimball personnel maintained continuous lithology logs, recorded sample characteristics, recorded PID and FID readings, noted first encountered ground water and completed detailed lithologic logs. Soil classifications were made in accordance with the Burmeister Soil Classification System

3.2.1 Hollow Stem Auger Borings

Thirteen soil borings were advanced utilizing continuous split spoon/hollow stem auger methodology. Of these thirteen, five were advanced on the Shoplock property in a radial pattern around an unknown UST located in front of the garage bays; two were drilled within the asphalt parking area (easement of ROW) for Overhead Door/Pella Windows; and six were drilled in the vicinity of the SMW 7 monitoring well cluster, located on the Branchburg Partners property. Borings were advanced, using a CME-85 truck mounted drill rig, to refusal or to a specified depth as determined by the NJDEP Technical Coordinator, whichever occurred first. (Refer to **Appendix A - Boring Logs**). The varied boring depths were selected to correspond to the top of the weathered shale bedrock layer as encountered at each location, or to the bottom of the UST investigated on the Shoplock property.

All soil samples were screened with a PID and FID for volatiles while being visually inspected for staining. Chemical odors, when present, were also noted. Sampling procedures followed those outlined in the MQAPP for soil sampling. For all borings, two samples (Refer to **Table 1 - Sample Summary**) were submitted to the Program Wide Subcontracted Laboratory for analysis of TCL Volatiles + 10 TICs, TCL Semivolatiles + 20 TICs, and lead.

3.2.2 UST Excavation

In addition to the advancement of soil borings, the unknown UST identified on the Shoplock property was uncovered to facilitate procurement of a grab sample of the tanks contents. A grab sample of liquid was obtained from the tank via use of a clean Teflon bailer which was lowered into an existing opening in the top of the tank, and the liquid transferred into laboratory supplied bottles. The grab sample of liquid (Refer to Table 1 - Sample Summary) was submitted to the Program Wide Subcontracted Laboratory for analysis of TCL Volatiles + 10 TICs, TCL Semivolatiles + 20

TICs, and lead.

3.3 Monitoring Well Installations

Eight new monitoring wells (4 clusters) were installed on or in the vicinity of the Shoplock property, to evaluate extent and concentration of potential ground water contamination, further characterize site hydrogeology and validate/delineate off-site migration of said contamination to the south and east of the Shoplock site. Refer to **Figure 3 – Sample Location Map**. These monitoring wells were installed by Kimball subcontractor Uni-Tech Well Drilling, Inc., 61 Grays Ferry Road, Franklinville, NJ 08322.

Installations included:

1 cluster - Off-site, in the Easement Right-of-Way to the Shoplock Property (Overhead Door/Pella Windows) on the north-bound side of Route 202. Clusters will be used to evaluate cross-gradient and off-site groundwater, especially with regard to MTBE & TBA.

1 cluster - Off-site, in the western portion of the McDonalds's property east of the site (northbound side of Route 202). Clusters will be used to evaluate cross-gradient and off-site groundwater, especially with regard to MTBE & TBA, as well as to verify historic reports of contamination on the property.

1 cluster - Off-site in the median strip south of the McDonald's Property (NJDOT Right-of-Way - Route 202). Clusters will be used to evaluate impact to down-gradient and off-site groundwater, especially with regard to MTBE & TBA.

1 cluster - Off-site in the southern-most portion of the Branchburg Partners property. Clusters will be used to evaluate impact to down-gradient and off-site groundwater, especially with regard to MTBE & TBA.

The monitoring wells were installed from 8/5/04 through 8/27/04 using techniques described below. Well construction details are provided in **Appendix B – Monitoring Well Construction Diagrams, Well Permits**.

3.3.1 Shallow Bedrock Wells

Four shallow bedrock wells (as described above) were installed on select off-site properties to obtain ground water quality characteristics plus near-surface physical and hydraulic characteristics. A 10-inch diameter borehole was advanced through the unconsolidated soil and at least 5 feet into the competent bedrock by air-rotary drilling using a Reich Drill T-650-W rig. A 6-inch steel casing was then placed into the borehole and the annular space between the steel casing and bedrock formation filled from the bottom of the borehole to ground surface by tremie methods with a Portland cement grout. The depth of the steel casing in the shallow bedrock wells ranged between 15.4 and 16 feet deep. After allowing a minimum of 24 hours for the grout to "cure", the boring was advanced a maximum of 25 feet below the bottom of the steel casing using 6-inch air-rotary

drilling. In several wells, the final length of the open-hole section of the well was slightly less than 25 feet. In all cases, no more than 25 feet of open, uncased borehole exists within the wells, as specified by NJDEP regulations.

All drilling fluids and cuttings were containerized, segregated and placed into appropriate bulk containers to await proper off-site disposal.

The monitoring wells were finished with watertight, flush-mounted protective covers. Each cover is clearly marked "Monitoring Well" and is fitted on the inside lip with an engraved aluminum identification tag listing the wells ID number and corresponding New Jersey Well Permit number. The 6-inch diameter steel casings are fitted with watertight, locking expandable well caps, with keyed alike locks.

Following advancement of each boring to the completion depth, the wells were developed by pumping and surging until a turbid-free discharge was observed. A minimum of five well volumes was purged from each well. All development water was containerized and transferred to a holding tank to await off-site disposal. Three measurements of temperature, pH, specific conductivity, and specific conductivity were monitored during each episode. (Refer to, **Appendix C - Well Development Records**).

3.3.2 Intermediate Bedrock Wells

Four intermediate bedrock wells were installed on select off-site properties to obtain ground water quality characteristics plus physical and hydraulic characteristics at a slightly deeper zone within the bedrock aquifer. A 10-inch diameter borehole was advanced through the unconsolidated soil to a depth of approximately 35 feet below the bottom of the steel casing in the adjoining shallow well in each respective cluster. A 6-inch steel casing was then placed into the borehole and the annular space between the steel casing and bedrock formation filled from the bottom of the borehole to ground surface by tremie methods with a Portland cement grout. The depth of the steel casing in the intermediate bedrock wells ranged between 50 and 51 feet deep. After allowing a minimum of 24 hours for the grout to "cure", the boring was completed by advancing the boring a maximum of 25 feet below the bottom of the steel casing using 6-inch air-rotary drilling. In several wells, the final length of the open-hole section of the well was slightly less than 25 feet. In all cases, no more than 25 feet of open, uncased borehole exists within the wells, as specified by NJDEP regulations.

All drilling fluids and cuttings were containerized, segregated and placed into appropriate bulk containers (i.e., roll-off container or frac tank) to await proper off-site disposal.

The monitoring wells were finished with watertight, flush-mounted protective covers. Each cover is clearly marked "Monitoring Well" and is fitted on the inside lip with an engraved aluminum identification tag listing the wells ID number and corresponding New Jersey Well Permit number. The 6-inch diameter steel casings are fitted with watertight, locking expandable well caps, with keyed alike locks.

Following advancement of each boring to the completion depth, the wells were developed by pumping and surging until a turbid-free discharge was observed. A minimum of five well volumes

was purged from each well. All development water was containerized and transferred to a holding tank to await off-site disposal. Three measurements of temperature, pH, specific conductivity, and dissolved oxygen were monitored during each episode. (Refer to, **Appendix C - Well Development Records**).

3.4 Monitoring Well Abandonment

At the request of NJDEP, Kimball abandoned 2 former potable wells that had been converted to monitoring wells by the NJDEP. The abandoned wells are located at the following addresses: Shoplock Sunoco – 954 Rt. 202, and ARC – 921 Rt. 202. The wells varied in depth from 199 to 98 feet, respectively. The Shoplock potable well had 6-inch diameter steel casing and the ARC well had both steel and PVC casing of varying lengths.

Well abandonment took place from 9/14/04 thru 9/22/04 and was performed by Kimball sub-contractor Uni-Tech Well Drilling. Well abandonment procedures were in accordance with NJDEP Bureau of Water Allocation requirements (Refer to **Appendix D - Well Abandonment Forms**). All well abandonment activities were performed by a New Jersey Licensed Well Driller.

3.5 Ground Water Level Measurements

Two rounds of ground water synoptic water level measurements were obtained during the performance of ground water sampling for investigative Phase 2. Water level measurement activities are as described below:

The first round was taken on 10/1/04 during the first round of water sampling and included the following monitoring wells:

Shallow Monitoring Wells	Intermediate Monitoring Wells
SMW1S	SMW1M
SMW2S	SMW2M
SMW3S	SMW3M
SMW4S	SMW6M
SMW5S	SMW7M
SMW6S	SMW8M
SMW7S	SMW10M (newly installed well)
SMW8S	SMW11M (newly installed well)
SMW9SA	SMW12M (newly installed well)
SMW10S (newly installed well)	SMW13M (newly installed well)
SMW11S (newly installed well)	PARTW (Partak former potable)
SMW12S (newly installed well)	VARJW (Varju former potable)
SMW13S (newly installed well)	

The second round was taken on 11/8/04 during the second round of water sampling. This round included only the eight "newly installed wells", identified above.

Ground water level measurements were procured using a decontaminated water level

indicator/electronic interface probe. Water levels were documented in both the field logbook and on individual well sampling logs. (Refer to **Appendix E - Ground Water Sampling Logs**). Ground water level measurements/calculated ground water elevations, along with comparative data from previous collections are provided in **Table 2 – Ground Water Elevations**. Visual representation for the shallow monitoring wells of the phreatic surface of ground water for each round of measurement can be found on **Figure 4 – Shallow Ground Water Contour Map – 10/1/04** and **Figure 5 – Shallow Ground Water Contour Map – 11/8/04**. Visual representation for the intermediate monitoring wells of the phreatic surface of ground water for each round of measurement can be found on **Figure 6 – Intermediate Ground Water Contour Map – 10/1/04** and **Figure 7 – Intermediate Ground Water Contour Map – 11/8/04**.

3.6 Monitoring Well Sampling

Two rounds of ground water sampling were performed during the course of this investigative phase (Phase 2). The first round entailed the sampling of 25 monitoring wells that included 17 monitoring wells that had been previously sampled during Phase 1, and 8 newly installed monitoring wells. These wells are identified in Section 3.4 above. The second round entailed sampling the 8 newly installed wells only. The sampling events were spaced one month apart, and were conducted to evaluate the ground water quality characteristics of the site and to assess the possibility of migration of contamination through the ground water from the site.

The wells were sampled in accordance with sampling procedures as outlined in the MQAPP (SOPs 107, 109 and 117) and mirrored procedures utilized in previous rounds of sampling. When possible, monitoring wells were sampled starting at the well suspected or known to be the least contaminated proceeding in sequence to the known or suspected most highly contaminated well. The wells were purged using a Grundfos Redi-Flo 2 submersible pump (minimum three well volumes removed/until field parameters stabilized) and then sampled using dedicated, certified clean, disposable Teflon bailers

Specific conductance, pH, temperature, dissolved oxygen and total dissolved solids were measured in each well before, during and at the completion of purging. Refer to **Appendix E – Groundwater Sampling Logs** for recorded results. Ground water samples collected from the monitoring wells were submitted to Severn Trent Laboratory Services (STL Burlington), 208 South Park Drive, Suite 1, Colchester, VT 05446 (Program Wide New Jersey Certified Laboratory) for SW846 Method 8260B (Volatiles) + TBA. **Table 1 – Sample Summary** provides sampling, analysis and quality control requirements.

4.0 QUALITY ASSURANCE

4.1 Analytical Methodologies

Ground water samples were analyzed for concentrations of organic contaminants using contract laboratory program procedures. For laboratory analytical procedures, approved EPA/NJDEP methods in combination with standard operating procedures (SOP) for QA/QC were used.

Samples collected in the field were analyzed by Severn Trent Laboratories in Burlington VT. **Table 3 – Methodology Summary** provides a summary by matrix and analytical parameter of the analyses performed and analytical methods.

Full documentation of all handling and analytical procedures and analytical results was included in the laboratory data packages. This information was reviewed by the L. Robert Kimball & Associates project chemist in order to ensure that all procedures were followed.

QA/QC samples were collected throughout the field operation to ensure the quality and reproducibility of the data. A duplicate sample was collected every 20 samples per matrix. Additional QA/QC samples were processed if the QA/QC results fell outside the data quality objectives, or if the field chemist determined that additional QA/QC samples were required.

4.2 Sample Management

This section details the general procedures followed during collection, packaging, handling, and shipping of samples. Sample management and quality control was initiated at the laboratory during preparation and packaging of sample containers, continued through field investigation and sample preparation activities, and will end only when laboratory analyses are validated and accepted.

4.2.1 Field Sample Management

Sample identification was developed relative to the sampled matrix, location, and number of samples collected per location. Results of field screening and sample collection were recorded in the field logbook. Sample labels were prepared for each sample container and logged both in the field logbook and on the chain of custody form. Sample labels included sample identification number, collection date and time, sample type, analyses desired, preservation type, and sampler identification.

Once sample containers were filled and labeled, the samples were placed in ice bathes for at least four hours to cool the samples. Samples collected during both rounds of ground water sampling were prepared for shipment by DOT trained personnel who packaged the samples using standard shipping protocols. Laboratory issued coolers were packaged with ice to maintain the desired temperature of four degrees Celsius. These coolers were shipped overnight to the laboratory by a same-day professional courier (DC Express, Inc. of Parsippany, NJ). If sampling was completed in one day, the samples were delivered within 24 hours of collection to the laboratory. If sampling continued for more than one day, then the samples were shipped to the laboratory within 48 hours of collection, with total handling time not exceeding 60 hours from time of collection.

The field chain of custody form documented control of sample jars from laboratory to field, and samples from field to laboratory. Internal laboratory records then documented the custody of the sample through the laboratory to its final disposition. All sample containers are traceable from initial preparation at the laboratory, through field use, and to final disposal as follows:

1. The field sampler accepted the sample containers from the laboratory via FedEx delivery, and monitored the care and custody of the environmental samples until custody was properly transferred.

2. Sampling information was entered on the chain of custody form immediately after sample labeling.

3. A separate chain-of-custody form was completed for each shipment. Shipping containers were sealed any time the container was not in the control of the person assigned for custody as designated and documented on the chain-of- custody form.

4. The person relinquishing samples requested the signature of a representative of the party receiving custody of the samples. If a representative was unavailable or refused to sign, the circumstances, location, and time were noted in the "Received by" space and the "Remarks" space of the chain-of-custody form.

4.2.1.1 Sample Preservation

Sample preservation depended upon the analytical program specified for each sample. Preservation methodologies were followed as outlined in **Table 3 – Methodology Summary**. These procedures conformed to those given in Technical Additions to Methods for Chemical Analysis of Water and Wastes, EPA-600/4-82-005 and the NJDEP Field Sampling Procedures Manual, May 1992.

Preservatives were added to the sample bottles by the laboratory prior to shipment to the field. Following collection, samples were maintained at 4°C until analyzed by the contract laboratory.

4.2.1.2 Sample Storage

In all cases sampling and blanks were stored in a refrigerated (at 4 degrees Celsius) secure area until required analyses were completed. Field and laboratory storage were the responsibility of the Field Sampling Supervisor and Laboratory Manager, respectively. In general, samples were not retained longer than six months beyond the completion of analysis, unless otherwise specified.

4.2.1.3 Sample Holding/Handling Times

Sample control was strictly maintained from sample acquisitions through analysis in order to assure that samples are representative.

4.2.1.4 Field Sample Custody

The following procedures were enforced to ensure that the control of each sample was maintained from collection, during analysis, and through data reduction. The field chain-of-custody form documented control of sample jars from laboratory to field, and of samples from field to laboratory. Internal laboratory records then documented the custody of the sample through its final disposition.

Sample Identification:

Field measurements were recorded directly in the field logbook, along with identifying information; project code, station numbers, station location, date, time, samplers, field observations, and remarks. Examples of field measurements included pH, temperature, conductivity, water levels, and PID readings.

Ground water samples were labeled, packaged and transported from the site location to the laboratory overnight via DC Express, Inc. The sample label included: sampling location, collection date and time, type of analyses required and preservation notes. The sample label also identified the sample as a grab or a composite sample and identified the sample matrix (water or solid).

Field Chain of Custody Procedures:

All samples are traceable from the time the samples were collected until they or their derived data were incorporated into the final report. In order to maintain and document sample possession, the following chain-of-custody procedures were used.

a) Samples were collected as described in the Master QAPP.

b) The sampling supervisor was personally responsible for the care and custody of the samples collected until they were properly transferred or dispatched.

c) During sampling, field blank samples were prepared, as established in the plan and as appropriate (with and without preservatives).

d) Logbook pages and other records were signed and dated.

e) Sample labels were completed using waterproof ink unless prohibited by weather conditions (i.e., a logbook notation would explain that a pencil was used to fill out the sample label because a ballpoint pen would not function in freezing weather).

f) The Field Manager determined whether proper custody procedures were followed during the fieldwork and decided if additional samples were required.

g) Samples were accompanied by a chain of custody record. When transferring the possession of samples, the relinquishing and receiving individuals signed, dated, and noted the item on the Record. This Record documented sample custody transfer from the sampler, often through another person, to the analyst in the laboratory.

h) Samples were packaged properly for shipment, dispatched to the laboratory for analysis, and accompanied by a separate custody record for each shipment. Shipping containers were sealed for shipment to the laboratory. The method of shipment, courier name(s), and other pertinent information were entered in the "Remarks" section on the custody record.

i) All shipments were accompanied by chain of custody records, which identified their contents. An original record accompanied each shipment, and the Sampling Supervisor retained a copy.

4.2.2 Laboratory Sample Management

A designated sample custodian accepted custody of the shipped samples and verified that the information on the sample labels matched that on the chain of custody records. Pertinent information concerning shipment, pickup, courier, etc., was entered in the "Remarks" section. The custodian then entered the sample label information into a bound logbook, which was arranged by project code and station number.

The laboratory custodian used the sample label number or assigned a unique laboratory number to each sample. All samples were transferred to the proper analyst or stored in an appropriate secure area.

4.2.3 Field Documentation

During installation procedures, a detailed record of drilling and sampling operations and geological material was maintained in accordance with the MQAPP. These procedures were obtained from the USEPA Compendium of Methods. All entries were legible, initialed and dated.

4.3 Equipment Decontamination

All equipment used for sample collection was properly decontaminated before use to prevent cross-contamination from prior sampling locations. Sample containers used for sample packaging were provided by the laboratory performing the analysis. Field monitoring equipment was wiped with a clean disposable wipe and rinsed with distilled/deionized water. All sampling equipment was cleaned, marked, and wrapped in foil prior to delivery to the field and between uses. When possible, dedicated sampling equipment was used.

4.3.1 Soil Sampling Equipment Decontamination

Field sampling equipment employed to collect or hold non-aqueous samples was decontaminated prior to use as follows:

1. Visible contamination was removed from the equipment using a brush and/or paper towel saturated with potable water and laboratory grade soap.
2. The equipment was rinsed with potable water to remove residual soap and solids.

3. The final equipment rinse was performed with distilled/deionized water.

If the above procedures failed to remove all visible contamination or if gross contamination was suspected at the sampling location, then the equipment was further decontaminated as follows:

4. If metals were to be analyzed, the equipment was rinsed with a 10% nitric acid solution (1% solution for carbon steel equipment to prevent leaching of metals).
5. The equipment was rinsed with distilled/deionized water.
6. If the sample was to be analyzed for organic contaminants, the equipment was rinsed with laboratory grade acetone or methanol, and then air-dried.
7. The equipment was rinsed with distilled/deionized water.
8. The equipment was protected from new contamination by wrapping in aluminum foil or it was stored in a polyethylene bag.
9. Decontamination methodology, date, time, and responsible personnel were recorded in the field logbook.

4.3.2 Water Sampling Equipment Decontamination

All water sampling equipment was properly decontaminated before each use. For each day of sampling, field sampling equipment was dedicated to a particular sampling point. The field sampling equipment was decontaminated prior to use in the field and between uses as follows:

1. Visible contamination was removed from the equipment using a brush and/or paper towel saturated with potable water and laboratory grade soap.
2. The equipment was rinsed with potable water to remove residual soap and solids.
3. The second equipment rinse was performed with distilled/deionized water.
4. If metals were to be analyzed, the equipment was rinsed with a 10% nitric acid solution (1% solution for carbon steel equipment to prevent leaching of metals).
5. The equipment was rinsed with distilled/deionized water.
6. If the sample was to be analyzed for organic contaminants, the equipment was rinsed with laboratory grade acetone or methanol, and allowed to air dry or cleaned with nitrogen.
7. The equipment was rinsed with distilled/deionized water.
8. The equipment was protected from new contamination by wrapping in aluminum foil or storing in a polyethylene bag. The equipment was labeled or tagged with a number and date and time of cleaning.
9. Decontamination methodology, equipment number, date, time, and responsible personnel were documented in the field logbook.

Decontamination liquids and solids were collected in a plastic lined decontamination pad.

4.3.3 Well Purging Equipment Decontamination

Submersible pumps were used to purge all wells sampled as part of this investigation. These pumps were field decontaminated prior to and between each use. Pump motor fluid (distilled

water) was changed and the pump motor cavity flushed between wells. New polyethylene (ASTM Grade) tubing was used for each well and did not require decontamination. The new tubing was rinsed/wiped with distilled/deionized water prior to placement in the well.

4.3.4 Heavy Equipment Decontamination

Heavy equipment (drill rigs, Geoprobe) was steam cleaned prior to arrival on-site. Cleaning was also done between sampling locations using the first two steps of the decontamination procedure in Section 4.3.1. Items, which required decontamination between locations, included the drill auger flights, drill rods and drill bits.

4.4 Laboratory Data Deliverables

This section describes the deliverables and procedures employed in evaluating, reporting, and using the results of environmental sample analyses and quality assurance program analyses. NJDEP standard formats were used for all data deliverables.

4.4.1 Analytical Report Deliverables

Analytical results, quality assurance data, and raw data were provided in the NJDEP-approved format noted in Appendix A of the Technical Requirements for Site Remediation NJAC 7:26E. Analytical data packages were provided as Full Laboratory Data Deliverables - USEPA/CLP method for all analysis.

4.4.2 Data Reduction and Reporting

The NJDEP has processed reviewing data packages, validating the laboratory compliance with standard operating procedures and project plans, and providing summaries of environmental and QA results in their report of findings.

4.4.2.1 Data Validation

The NJDEP has completed the data validation for this investigation. A total of six data packages were submitted for validation. Validation results do not indicate any major qualifications or rejections of reported data.

4.4.2.2 Reporting

Data generated in the field was logged into the field logbook, saved on field data loggers where appropriate, and noted on field logs. The field logbook will be kept in project files as documentation of field conditions, observations, and findings. Sampling and drill logs were prepared to present field data and are included in this report.

5.0 FINDINGS

The following sections describe results of the supplemental investigation (Phase 2) for the Shoplock site. Detailed findings for this Supplemental Remedial Investigation are presented in the following appendices:

Appendix A - Boring Logs
Appendix B - Monitoring Well Construction Details, Well Permits
Appendix C - Well Development Records
Appendix D - Well Abandonment Forms
Appendix E - Ground Water Sampling Logs
Appendix F - Analytical Results Tables

5.1 Remedial Investigation Activities

5.1.1 Soil Borings and Sampling

During 7/27/04 through 7/30/04, Uni-Tech Drilling Company, Inc. performed thirteen soil borings, drilled via hollow stem auger/split spoon techniques. Soil borings were used to characterize the following AOCs; Branchburg Partners property (in the vicinity of the SMW-7 series wells); unknown UST – Shoplock property; and, the easement right-of-way to the Shoplock property (Overhead Door/Pella Window). The following presents a summary of the findings for each of these areas of concern (Refer to **Figure 3 - Sample Location Map** and **Appendix A: Soil Boring Logs**).

5.1.1.1 Branchburg Partners Property

Six soil borings were advanced in the vicinity of the SMW-7 monitoring well cluster to verify and delineate the vertical and horizontal extent of possible soil contamination associated with what was theorized to be a former UST cavity identified during monitoring well installation activities conducted by Kimball in February 2002. Four borings (SSB31, SSB32, SSB33 and SSB36) were strategically positioned around monitoring well SMW-7S to assess subsurface conditions and two borings were advanced in apparent up-gradient (SSB35) and down-gradient positions (SSB34) of well SMW-7S. Each of the six borings were advanced to a depth of approximately 14 feet below ground surface to correspond to the top of the weathered shale (bedrock) unit underlying this area of concern. Two of the six borings (SSB35 and SSB36) encountered split-spoon refusal on weathered shale at depths of 14.9 feet and 17.4 feet, respectively. The remaining four borings were terminated before split-spoon refusal was achieved when it was evident that each had encountered the weathered shale bedrock.

Each of the borings, with the exception of SSB35, was advanced through 0.5 feet of bituminous asphalt underlain by approximately 0.5 feet of crushed gravel subbase. Boring SSB35 was advanced within a grassy portion of the property located between Route 202 and the asphalt parking area. Unconsolidated materials encountered within these borings consisted of reddish/brown silts, clayey silts and sandy silts to depths ranging from 12.1 feet in boring SSB34 to 14.7 feet in boring SSB35. A layer of light grey silt was encountered in each of the borings

and ranged between 6.0 feet and 8.1 feet below ground surface. Moderate to very strong petroleum hydrocarbon odors were noted within the suspected stained grey soil horizon. Petroleum hydrocarbon odors and low- to high-level readings from the PID and FID were noted in each of the six soil borings. The highest PID (>2000 ppm) and FID (790 ppm) readings were noted in boring SSB36 from the interval between 6.0 feet and 8.0 feet below ground surface. Weathered reddish brown shale was noted to underlie the unconsolidated soils within each of the borings advanced on this property.

5.1.1.2 Unknown UST – Shoplock Property

Five borings (SSB38 – SSB42) were advanced in a radial pattern along the western, southern and eastern sides of the UST to identify vertical and horizontal soil contamination associated with the tank found in front of the Shoplock garage during the initial RI. Boring depths in each of the seven borings were approximately 7.5 feet below ground surface to correspond to the assumed depth of the bottom of the UST. Based on information obtained during test pit excavations conducted during this investigation, the bottom of the UST was determined to be approximately 6.5 feet below ground surface. Each of the seven borings encountered split-spoon refusal on weathered shale at depths ranging from 7.4 feet to 7.9 feet below ground surface. Sandy silt was encountered between the asphalt pavement/crushed gravel subbase and the weather bedrock surface. No petroleum hydrocarbon odors, visual indicators of contamination or elevated PID or FID readings were noted in any of the five borings.

In addition to soil borings, the UST was further investigated by excavating to the top of the tank for the procurement of a sample of the tank's contents. Due to physical constraints associated with the existing motor fuel dispensing equipment in use at the site, the entire top of the tank could not be unearthed. Electrical conduits extending from the garage structure to the dispenser islands and canopy were noted to pass directly over the center of the UST, thus prohibiting excavation of the entire tank top. During excavation activities, it was noted that the vent pipe was detached from the top of the tank. It is suspected that during installation of electrical conduits to the dispenser islands, the vent line was accidentally struck by the backhoe/excavator and dislodged from the tank. The resultant damage pulled the one inch vent pipe from the end tank opening, thus disconnecting the vent and allowing for possible inflow of precipitation into the tank and discharge of liquids from the tank. Based on the direction of the overlying electrical conduits and the direction in which the vent line was displaced, it is likely that damage occurred to the vent line during installation of the electrical conduit lines. An adjoining 2-inch diameter remote fill line was connected to the tank and appeared to originate inside the garage structure as no exterior fill port was observed outside the building.

The UST was noted to be filled to the top with liquid. Further inspection showed that the tank contained approximately 1.55 feet of relatively clear liquid (water) with heavy, black oil globules floating on and suspended within the water. The bottom portion of the tank was partially filled with sand. Measurements taken during excavation activities show that the tank is four feet in diameter and thus contains approximately 2.45 feet of sand at the point where internal measurements were collected. It is unknown as to whether the sand had filled the tank uniformly or if the sand was merely poured into the former vent pipe opening and formed a pyramidal cone within the southern end of the tank.

The tank was noted to be in very poor condition with numerous corrosion holes and heavy rusting of the single walled steel shell. Water was noted to freely flow from the sides of the tank as it was partially unearthed. Because of concerns over the structural integrity of the tank, the tank walls were not completely exposed, and the excavation was backfilled shortly after collection of the grab sample of the tank's contents. A thin veneer of oil impacted soil was noted to surround the UST and appeared to be limited to the materials contained within the original UST cavity.

5.1.1.3 Easement Right-of-Way to the Shoplock Property (Overhead Door/Pella Window)

Two soil borings (SSB37 and SSB43) were advanced within the easement right-of-way to the Shoplock Property in from of the Overhead Door/Pella Windows facilities to assess potential off-site migration of soil contamination from the Shoplock property and to evaluate this area as a possible ground water contamination contributor. Boring SSB37 was located near the northeastern vehicle entrance to the parking area and SSB43 was centrally located within the right-of-way, approximately 50 feet northeast of monitoring well SMW-3M. Boring depths ranged from 9.8 feet below ground surface for SSB37 to 9.4 feet for boring SSB43, with both borings refusing on weathered shale bedrock. Sandy silt and shale saprolite was noted to underlie the surficial layer of asphalt pavement and crushed gravel subbase and extend to the weathered bedrock surface.

No visible indications of contamination or elevated PID or FID readings were noted during advancement of either soil boring advanced on within the right-of-way.

5.1.2 Monitoring Well Installations

During 8/5/04 thru 8/27/04, eight offsite monitoring wells borings (4 clusters) were installed by Uni-Tech Well Drilling, Inc. The borings were initially advanced by air rotary techniques, using a Reich Drill T-650-W air rig equipped with a 10-inch diameter hammer bit, for purpose of installation of the 6-inch diameter steel casing. Upon completion of the casing installation, and after a 24 hour period to allow grout curing, the borings were advanced to prescribed depth, again using air rotary techniques utilizing a 6-inch diameter hammer bit. The SMW11, SMW12, and SMW13 series wells were installed with flush-mounted protective covers, while the SMW10 series wells were installed with stick-up risers due to their location with respect to ongoing construction of a hotel on the adjacent former Partak property.

Borings encountered similar subsurface materials as identified during Kimball's original RI investigation. In general, no significant indicators of contamination (i.e. elevated PID readings and/or strong product (gasoline) odors) were detected in the air/cuttings return at any of the boring locations during advancement. (Refer to **Appendix A - Boring Logs**).

5.1.3 Monitoring Well Sampling

Monitoring well sampling activities were conducted between October 1, 2004 and October 6, 2004 (Event #1) and again between November 8 through November 9, 2004 (Event #2), by Kimball. The first round entailed the sampling of 25 select monitoring wells that included 17 monitoring

wells that had been previously sampled during prior RI investigations and 8 newly installed monitoring wells. The second round entailed sampling the 8 newly installed wells only. Sampled monitoring wells included:

During both events, all wells were checked with an electronic interface probe for presence of free-phase product. No interfaces of free phase light non-aqueous phase liquid (LNAPL) were detected in either round sampling. However, during the first round of sampling, perceptible petroleum odors were reported from wells SMW2S, SMW2M, SMW4S, SMW5S, SMW7S, and SMW7M. (Refer to **Appendix E - Ground Water Sampling Logs**).

5.2 Remedial Investigation Analytical Results - Soil Samples

The following sub-sections describe results of soil analysis based on AOC and analytical parameters. Results discussed are positive concentrations observed from each sample. **Table 4 - Analysis Qualifiers**, presents an explanation of data qualifiers and qualifiers used on the result figures and tables. NJDEP validation of the analytical data has been completed. Refer to Section 4.4.2.1-Data Validation for validation details.

5.2.1 Branchburg Partners Property

Six soil borings, SSB31, SSB32, SSB33, SSB34, SSB35, and SSB36 were advanced at this AOC. Two samples per boring were collected except for boring SSB33, in which, three samples (duplicate sample) were collected for total of thirteen samples being collected at this AOC.

5.2.1.1 Volatiles

Analytical results from soil samples report positive concentrations of 16 volatile parameters. Of these parameters, benzene and total xylenes were measured at concentrations exceeding NJDEP's Impact to Ground Water Soil Cleanup Criteria (IGWSCC), but below the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC) or NJDEP Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC). The highest concentration of benzene was found in SSB33-1 at 2.4 mg/kg. Total xylenes were detected in sample SSB36-1 at a concentration of 71 mg/kg. The highest concentration of total volatiles was found in SSB33-1 at 789.18 mg/kg. Refer to **Appendix F - Table 1 – Analytical Results TCL Volatiles** to view all volatile analytical results. Refer to **Figure 8 – Soil Samples – Volatile Compounds Above Criteria & Total Volatile Concentrations** to view all volatile parameters found above NJDEP Soil Cleanup Criteria.

5.2.1.2 Semivolatiles

Analytical results from soil samples report positive concentrations of 6 semivolatile parameters. None of these parameters were measured at concentrations exceeding NJDEP's IGWSCC, RDCSCC, or NRDCSCC. The highest concentration of total semivolatiles was found in SSB33-1 at 126.466 mg/kg. Refer to **Appendix F - Table 2 – Analytical Results – TCL Semivolatiles** to view all semivolatile analytical results.

5.2.1.3 Lead

Analytical results from soil samples report positive concentrations of lead within each of the 13 soil samples submitted for lead analyses. None of these results were measured at concentrations exceeding NJDEP's RDCSCC or NRDCSCC. The highest concentration of lead was found in SSB36-1 at 16.8 mg/kg. Refer to **Appendix F- Table 3 – Analytical Results - Lead** to view all lead analytical results.

5.2.2 Unknown UST – Shoplock Property

Five soil borings, SSB38, SSB39, SSB40, SSB41, and SSB42 were advanced at this AOC. Two samples per boring were collected except for boring SSB38, in which, three samples (duplicate sample) were collected for total of eleven samples being collected at this AOC.

5.2.2.1 Volatiles

Analytical results from soil samples report positive concentrations of 3 volatile parameters. None of these parameters were measured at concentrations exceeding NJDEP's IGWSCC, RDCSCC or NRDCSCC. The highest concentration of total volatiles was found in SSB39-1 at 2.984 mg/kg. Refer to **Appendix F - Table 1 – Analytical Results – TCL Volatiles** to view all volatile analytical results.

5.2.2.2 Semivolatiles

Analytical results from soil samples report no positive concentrations of semivolatile parameters. The highest concentration of total semivolatiles was found in SSB40-2 at 31.534 mg/kg. Refer to **Appendix F - Table 2 – Analytical Results - Semivolatiles** to view all semivolatile analytical results.

5.2.2.3 Lead

Analytical results from soil samples report positive concentrations lead within each of the 11 soil samples submitted for lead analyses. None of these results were measured at concentrations exceeding NJDEP's RDCSCC or NRDCSCC. The highest concentration of lead was found in SSB38-1 at 19.7 mg/kg. Refer to **Appendix F - Table 3 – Analytical Results - Lead** to view all lead analytical results.

5.2.3 Easement Right-of-Way to the Shoplock Property (Overhead Door/Pella Window)

Two soil borings, SSB37 and SSB43 were advanced at this AOC. Two samples per boring were collected from each boring for total of four samples.

5.2.3.1 Volatiles

Analytical results from soil samples report positive concentrations of three volatile parameters. None of these parameters were measured at concentrations exceeding NJDEP's IGWSCC,

RDCSCC or NRDCSCC. The highest concentration of total volatiles was found in SSB43-1 at 0.393 mg/kg. Refer to **Appendix F - Table 1 – Analytical Results – TCL Volatiles** to view all volatile results.

5.2.3.2 Semivolatiles

Analytical results from soil samples report no positive concentrations of two semivolatile parameters. The highest concentration of total semivolatiles was found in SSB-43-1 at 31.37 mg/kg. Refer to **Appendix F - Table 2 – Analytical Results – TCL Semivolatiles** to view all semivolatile analytical results.

5.2.3.3 Lead

Analytical results from soil samples report positive concentrations of lead for each of the four soil samples submitted for analyses of lead. None of these results was measured at concentrations exceeding NJDEP's RDCSCC or NRDCSCC. The highest concentration of lead was found in SSB37-1 at 19.2 mg/kg. Refer to **Appendix F - Table 3 – Analytical Results - Lead** to view all lead analytical results.

5.3 Remedial Investigation Analytical Results – Unknown UST Contents Sample

One aqueous sample (WOUSTC1) was collected from the unknown UST identified on the Shoplock property during this investigation. The sample of the tank's contents was obtained after the UST was excavated and found to be partially filled with free liquid.

This sample was analyzed for volatile organics including MTBE and TBA, semivolatiles and lead. The tank contents sample results were compared to Ground Water Quality Standards (ug/l) (GWQS).

5.3.1 Volatiles

Analytical results from the tank contents sample report positive concentrations of sixteen volatile parameters. Of these sixteen parameters, seven were found to be above GWQS criteria. Specifically, 1,1-dichloroethene, benzene, cis-1,2-dichloroethene, methylene chloride, total VOA, trichloroethene, and vinyl chloride were all found at concentrations, which exceed the GWQS. The maximum total volatile concentration was 7,153.6 ug/l. Refer to **Appendix F - Table 4 – Analytical Results UST Contents Sample– TCL Volatiles** to view all volatile analytical results. Refer to **Figure 3 – Sample Location Map** for the location of this sample.

5.3.2 Semivolatiles

Analytical results from the tank contents sample report positive concentrations of 19 semivolatile parameters. None of these parameters were measured at concentrations exceeding the NJDEP GWQS criteria. Refer to **Appendix F - Table 5 – Analytical Results UST Contents Sample – TCL Semivolatiles** to view all semivolatile analytical results.

5.3.3 Lead

Analytical results from the tank contents sample report a positive concentration of lead (66.1 ug/l), which exceeded the NJDEP GWQS criteria. Refer to **Appendix F - Table 6 – Analytical Results UST Contents Sample – Lead** to view the lead value of this sample.

5.4 Remedial Investigation Analytical Results – Ground Water Samples

Two rounds of ground water samples (as described above) were collected from a combination of monitor/former potable wells (total of 36 samples plus QA/QC). QA/QC samples consisted of a field duplicate, at a frequency of one duplicate per twenty samples collected, and a field blank, at a frequency of one blank each day of ground water sampling. The samples were analyzed for volatiles + TBA, which were the same contaminants of concern identified during Kimball's initial RI investigation.

For discussion of analytical results, wells were divided into two groups, shallow wells (those measuring less than approximately 45 feet) and intermediate wells (former potable wells and newly installed wells with outer casing lengths greater than 50 feet). The following list provides a summary of the two well groupings:

Shallow Monitoring Wells	Intermediate Monitoring Wells
SMW1S	SMW1M
SMW2S	SMW2M
SMW3S	SMW3M
SMW4S	SMW6M
SMW5S	SMW7M
SMW6S	SMW8M
SMW7S	SMW10M (newly installed well)
SMW8S	SMW11M (newly installed well)
SMW9SA	SMW12M (newly installed well)
SMW10S (newly installed well)	SMW13M (newly installed well)
SMW11S (newly installed well)	PARTW (Partak former potable)
SMW12S (newly installed well)	VARJW (Varju former potable)
SMW13S (newly installed well)	

Analytical results were compared to Ground Water Quality Standards (GWQS). Refer to **Figure 3 – Sample Location Map** for a visual depiction of sample locations and sample identifications. Refer to **Figure 9 – Ground Water Samples – Shallow Monitoring Wells – Volatile Compounds Above Criteria** and **Figure 10 – Ground Water Samples – Intermediate Monitoring Wells – Volatile Compounds Above Criteria** that show sample locations, sample identifications, and concentrations and distribution of volatile compounds detected above the GWQS.

5.4.1 Shallow Monitoring Wells – Volatiles

Analytical results report twenty-five volatile parameters with positive concentrations. Of those twenty-five, five parameters were found to be above GWQS.

The following gasoline constituents (considered to be drivers of this investigation) were found in the shallow ground water samples:

- Benzene was found at positive concentrations in four samples. Of those four samples, each was detected at concentrations above the GWQS of 1 ug/l. The maximum concentration of benzene was detected in sample SW2S3 at 180 ug/l.

- T-Butyl Alcohol (TBA) was found at positive concentrations in five samples. Of these five samples, each was detected at concentrations above the GWQS of 100 ug/l. The maximum concentration of TBA was found in sample SW3S3 at 6,900 ug/l.

- MTBE was found at positive concentrations in twelve samples. Of those twelve samples, five were detected at concentrations above the GWQS of 70 ug/l. The maximum concentration of MTBE was found in sample SW3S3 at 3700 D ug/l.

Other parameters found above criteria are listed below.

- 1,1-Dichloroethene was found at positive concentrations in four samples. Of these four samples, each was detected at concentrations above the GWQS of 2 ug/l. The maximum concentration of 1,1-dichloroethene was detected in samples SW3M3 at 0.4 ug/l.

- Trichloroethene was found at positive concentrations in five samples. Of those five concentrations, three were found above the GWQS of 1 ug/l. The maximum concentration of trichloroethene was found in sample SW11S4 at 29 ug/l.

Total volatiles were found at positive concentrations in sixteen samples. The maximum amount of total volatiles was found in sample SW3S3 at 10,600 ug/l.

Table 5 – Ground Water Samples – Shallow Monitoring Wells presents a summary of detectable volatile analytical results. Refer to **Appendix F – Table 7 – Analytical Results Shallow Ground Water Samples – Volatiles** to view all volatile analytical results.

5.4.2 Intermediate Monitoring Well/Former Potable Well Samples – Volatiles

Analytical results report 15 volatile parameters with positive concentrations. Of these 15, five parameters were detected at concentrations above GWQS.

The following gasoline constituents (considered to be driver of this investigation) were found in the shallow ground water samples.

- Benzene was found at positive concentrations in four samples. Of those four samples, two

were detected at concentrations above the GWQS of 1 ug/l. The maximum concentration of benzene was detected in sample SW13M4 at 7.1 ug/l.

- MTBE was found at positive concentrations in four samples. Of those four concentrations, three were found above the GWQS of 70 ug/l. The maximum concentrations of MTBE were found in sample AW9M3 at 2,200 D ug/l.

- T-Butyl Alcohol (TBA) was found at positive concentrations in five samples. Of these five samples, each was detected at concentrations above the GWQS of 100 ug/l. The maximum concentration of TBA was found in sample SW13M3 at 1,900 ug/l.

Other parameters found above criteria are listed below:

- 1,1-Dichloroethene was found at positive concentrations in three samples. Of these three samples, one was detected at concentrations above the GWQS of 2 ug/l. The maximum concentration of 1,1-dichloroethene was detected in sample SW3M3 at 2.1 ug/l.

- Trichloroethene was found at positive concentrations in four samples. Of those four concentrations, three were found above the GWQS of 1 ug/l. The maximum concentration of trichloroethene was found in sample VARJW3 at 110 D ug/l.

Total volatiles were found at positive concentrations in 15 samples. The maximum amount of total volatiles was found in sample SW13M3 at 4,118 ug/l.

Table 6 – Ground Water Samples – Intermediate Monitoring Wells presents a summary of detectable volatile analytical results. Refer to **Appendix F – Table 8 – Analytical Results Intermediate Ground Water Samples – Volatiles** to view all volatile analytical results.

5.5 Trip and Field Blanks

Trip blanks were submitted for analysis with every volatile ground water sample shipment made to the laboratory. All volatile results for trip blanks were below method detection limits.

Field blanks were submitted to the laboratory for everyday of ground water sampling and were analyzed for the same analyses, as were the monitoring well samples. Of the six field blanks collected at the time of ground water sampling (both rounds), all volatile parameters were below method detection limits.

6.0 NATURE AND EXTENT OF CONTAMINATION

Results of Phase 2 ground water sampling activities confirmed former and current site operations have resulted in contamination of shallow and intermediate ground water beneath the site. As evidenced during the initial investigation, an area of apparent petroleum hydrocarbon impacted subsurface soil was encountered in off-site borings located on the Branchburg Partners, Inc. property. However, due to sampling restrictions imposed by the initial site access agreement, no samples were submitted for analytical testing during Phase 1 RI investigations. Phase 2 intrusive activities indicate a localized area of petroleum impacted soil on the neighboring Branchburg Partners property. Soil borings advanced in the vicinity of the SMW 7 series monitor wells identified on the Branchburg Partners, Inc. property confirmed the presence of petroleum hydrocarbon constituents within the unconsolidated soil horizon at concentrations above the NJEP Impact to Ground Water Soil Cleanup Criteria. The primary contaminants of concern within the site subsurface soil include aromatic volatile organic compounds, specifically benzene and xylenes. No visible indicators of petroleum hydrocarbon impact were identified on the other off-site areas investigated during Phase 2 intrusive activities.

Excavation activities conducted on the Shoplock property verified the existence of a former waste oil UST located in front of the two service bays. Laboratory analysis of a grab sample of the liquid contained within the UST indicated that volatile organic compounds and lead were present at concentrations above NJDEP Ground Water Quality Standards.

Hydrogeologic investigation results indicate organic constituents are present at concentrations in excess of the NJDEP Ground Water Quality Standards within the shallow and intermediate ground water zones beneath the site and adjacent areas bordering Route 202. The primary constituents of concern within the site shallow ground water zone include aromatic volatile compounds and one chlorinated volatile compound. Intermediate ground water zone constituents of concern also include aromatic volatile compounds and one chlorinated volatile compound.

6.1 Physical Geology/Hydrogeology Assessment

Intrusive remedial investigative activities conducted onsite indicate that a relatively thin veneer to sandy silts and clayey silts of the Birdsboro Series soils dominates the site. Underlying the Birdsboro silt loam is the bedrock shale and siltstone of the Passaic Formation. The silt loam was consistent across the site and ranged in depth from approximately 6 to 9 feet. Results of our investigation indicate that the upper 8 to 10 feet of the shallow bedrock is highly weathered and fractured, with more competent bedrock occurring at depths ranging from approximately 16 to 25 feet below ground surface. The siltstone and interbedded shale bedrock was noted to be relatively consistent both horizontally and vertically across the site and off-site areas, with numerous fractures and joints present throughout the investigated portion of the formation.

Several areas of fill material were encountered during the Phase 1 and 2 investigations. The fill areas are each suspected to be former UST cavities located on the Shoplock site, based on either historic information about the site or the presence of petroleum hydrocarbon impacted soil and/or perched ground water within the loose more permeable fill. A UST cavity was confirmed within the asphalt area of the reported former 4000-gallon UST located east of the overhead dispenser

canopy. The fill material within the former UST cavity consisted primarily of sandy, gravelly silts with crushed gravel. Petroleum hydrocarbon impacts were also observed near the apparent former UST cavity bottom and consisted of petroleum stained grey and black soils with perched water producing a gasoline odor.

During Phase 1 activities, a suspected UST cavity or area of fill was noted in the vicinity of monitoring well SMW-7S, located in the northwest corner of the Branchburg Partners, Inc. parking area. Petroleum hydrocarbon odors and suspected petroleum staining was observed on soils during the advancement of borings for the installation of monitoring wells SMW7S and SMW7M. Due to sampling restrictions imposed by the property owner, confirmatory samples for laboratory analysis of the suspect soils could not be collected at that time.

Phase 2 intrusive activities conducted in this area confirmed the presence of the petroleum hydrocarbon impacted soils in five of the six borings advanced on the Branchburg Partners property. However, the presence of subsurface fill materials within the borings which would be indicative of a former excavation or UST cavity were not encountered nor observed. Subsurface materials encountered in the borings included a surface layer (0.5 feet) of asphalt pavement underlain by crushed gravel subbase (0.5 feet). Reddish-brown silts and clayey silts were noted to range from 6.0 feet to 7.3 feet below ground surface. A layer of light grey clayey silt was noted between 6.0 feet and 8.1 feet in the borings. Moderate to strong petroleum hydrocarbon odors accompanied by elevated PID/FID readings were noted within the light grey clayey silt layer. Reddish-brown silt and shale saprolite was noted between the light grey clayey silt layer and the underlying shale bedrock. Moderate to strong petroleum hydrocarbon odors and elevated PID/FID readings were also noted from these materials. Review of boring logs for the six soil borings advanced on the Branchburg Partners property relatively consistent soil horizons across the area investigated. The light grey clayey silt, which was believed to be stained by petroleum hydrocarbons during Phase 1 activities, was observed within each boring and did not, in all cases, indicate petroleum hydrocarbon impacts. Evidence of fill materials indicative of a former UST cavity were not encountered during Phase 2 soil boring activities, though elevated PID/FID readings and olfactory indicators suggest petroleum hydrocarbon impacts to subsurface soils in the immediate vicinity of the SMW-7 series monitoring wells.

Static water level measurements obtained during Phase 2 remedial investigative activities evidence shallow ground water levels, as recorded for the two rounds of ground water sampling, range between 13.09 feet and 20.96 feet, and deeper ground water levels between 17.18 feet and 26.68 feet.

Measured ground water elevations in the shallow and intermediate wells indicate a potential for vertical ground water movement via fractures and jointing, due to the marked similarities in ground water elevations between the shallow and intermediate wells of the various well clusters. The available data suggest that shallow ground water flow within the upper portion of the aquifer is artificially influenced by a suspected groundwater recharge area located on the southeastern portions of the Shoplock and neighboring Overhead Door/Pella Windows properties. This recharge area was identified as a pronounced mounding of groundwater as noted by water levels collected from wells SMW-2S, SMW-3S and SMW-13S. **Figure 4 - Shallow Ground Water Contour Map – 10/1/04**, generated from data collected during the first round of groundwater sampling for

Phase 2 activities (October 1 through 6, 2004), shows an obvious groundwater mound immediately north of the intersection of Route 202 and North Branch River Road. Secondary flow patterns, due to the observed mound, may exist within the site boundaries resulting in migration (horizontal and/or vertical) pathways and/or velocities different than predicted from static water elevation measurements. Theories as to the creation of this mound include a possible leak from the sanitary sewer line located within this area, or water losses from the local storm sewer system installed along Route 202 and North Branch River Road into the underlying sanitary sewer ditch line thereby creating an infiltration gallery for water to slowly infiltrate into the subsurface. In general, overall shallow ground water flow is shown to be from west to east, as was observed during Phase 1 investigations.

Review of shallow ground water contours recorded from the newly installed wells during the second round of Phase 2 ground water sampling show an overall trend of ground water flow to the east. **Refer to Figure 5 – Shallow Ground Water Contour Map – 11/8/04.**

Deeper ground water flow within the aquifer, as measured from the intermediate depth monitoring wells and former potable wells converted to monitoring wells by the NJDEP, is from northwest to east/southeast along the apparent local dip of the Passaic formation (refer to **Figure 6 - Intermediate Ground Water Contour Map – 10/1/04** and **Figure 7 - Intermediate Ground Water Contour Map – 11/8/04**). Current ground water flow patterns obtained from Phase 2 investigations correlate well with ground water contour maps created using data obtained during Phase 1 investigations. In general, ground water contour maps for both shallow and intermediate created using information obtained from Phase 1 and Phase 2 investigations shows overall local ground water to flow from the west/northwest to the east/southeast.

6.2 Types and Distribution of Soil Contamination

Surface and subsurface soil contamination was not found to be widespread throughout the areas investigated during Phase 2 intrusive activities. Results of Phase 2 investigations indicate that soil contamination was identified in the vicinity of the SMW-7 series wells located on the Branchburg Partners property. Specifically, benzene and xylenes (total) were reported at concentrations above NJDEP soil cleanup criteria. The observed volatile contamination appears to be limited to the immediate area surrounding monitoring well SMW7S.

Soil contamination was not identified at concentrations above NJDEP soil cleanup criteria within soil samples collected from in the vicinity of the unknown UST located on the Shoplock property or the easement right-of-way to the Shoplock property within the neighboring Overhead Door/Pella Window parking area.

6.2.1 Volatile Organics

Volatile organic compounds detected in excess of NJDEP Impact to Ground Water soil cleanup criteria were benzene and xylenes (total). These parameters were reported above cleanup criteria in six samples collected on the Branchburg Partners property. Specifically, soil contamination was observed in samples collected from borings SSB31, SSB32, SSB33, SSB35, and SSB36. Borings SSB31, SSB32, SSB33, and SSB36 were advanced in close proximity to monitoring well SMW-

7S; whereas boring SSB35 was advanced approximately 25 feet north of SMW-7S. Reported concentrations of benzene above soil cleanup criteria ranged from 1.3 mg/kg (SSB31-1) to 2.4 mg/kg (SSB33-1). Three of the samples with elevated concentrations of benzene were collected from a light grey clayey silt horizon which ranged in depth from six feet to eight feet below ground surface. The remaining three samples with elevated concentrations of benzene were collected from the silt and/or shale saprolite layer directly beneath the light grey clayey silt unit.

Elevated concentrations of xylenes (total) were reported above the NJDEP Impact to Ground Water soil cleanup criteria in sample SSB36-1 (71 mg/kg), which was collected from the light grey clayey silt layer at a depth of seven to seven and one-half feet. Split-spoon samples obtained from boring SSB36 produced the highest PID (>2,000 ppm) and FID (790 ppm) readings recorded during Phase 2 intrusive activities. Soil samples collected from boring SSB34 contained detectable concentrations BTEX compounds, but at levels well below NJDEP soil cleanup criteria. Although there were a number of volatile parameters with positive concentrations, no other parameters were found to be above NJDEP soil cleanup criteria.

Review of the soil sample analytical data suggests that it is unlikely that the observed VOC impacts to soil on the Branchburg Partners property originated from releases of motor fuels from the Shoplock Property as the distance between the fuel distribution systems on the Shoplock property and the observed soil impacts on the Branchburg Partners is in excess of 225 feet. Subsurface utility structures including sanitary and storm sewer lines, high pressure natural gas lines and potable water lines and their associated excavations located within and parallel to the Route 202 would be expected to act as physical barriers restricting potential shallow subsurface flow from the Shoplock site to the Branchburg Partners property. If shallow subsurface contamination were to encounter these utility corridors, it would be expected to follow the excavation and porous backfill materials and migrate in an east/west direction rather than north/south.

Figure 8 - Soil Samples – Volatile Compounds Above Criteria & Total Volatile Concentrations, represent the estimated extent of volatile organic contamination in excess of NJDEP Soil Cleanup Criteria at the Shoplock Sunoco site. Total volatile concentrations for the samples collected on the Branchburg Partners property ranged from 0.144 mg/kg in sample SSB34-1 to 789.18 mg/kg in sample SSB33-1, and are thus below NJDEP criteria for total volatile concentrations. However, review of the total volatile concentrations, in relation to the sampling locations, on this property suggests that the potential source area for the observed VOC impacts is located within the northern portion of the property.

6.2.2 Semivolatile Organics

No semivolatile parameter concentrations were found above any of the three NJDEP soil cleanup criteria. Most of the parameters were reported to be non-detect, and those parameters identified with positive concentrations were detected at relatively low concentrations. Semivolatile compounds in the soil at this site do not pose an environmental concern.

6.2.3 Lead

No lead concentrations were found above any of the NJDEP soil cleanup criteria for any soil of the

soil samples collected during Phase 2 intrusive activities. The highest concentration of lead was found to be 19.7 mg/kg in sample SSB38-2. This concentration is well below the most stringent criteria (RDCSCC) of 400 mg/kg. Identified lead concentrations in the soil at this site do not constitute an environmental concern.

6.2.4 Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported for the volatile and semivolatile fractions of soil samples submitted for analysis. **Appendix F - Table 9 – Analytical Results Soil Samples – Tentatively Identified Compounds - Volatiles** displays all volatile TICS and total volatile TICS for soil samples collected. Likewise, **Appendix F - Table 10 – Analytical Results Soil Samples – Tentatively Identified Compounds – Semivolatiles** displays all semivolatile TICS and total semivolatile TICS for soil samples collected.

In general, the most frequently reported TIC at the highest concentrations in the volatile fraction was unknown siloxane derivative for borings advanced in the vicinity of the unknown UST on the Shoplock property and within the easement/right-of-way to the Shoplock property near the Overhead Door/Pella Windows facilities. The most frequently reported volatile fraction TIC at the highest concentrations for samples collected from the Branchburg Partners property was 1H-indene,2,3-dihydro-1,2-dimethyl. In addition, review of the reported TICs shows that soil samples collected from the Branchburg Partner property with reported positive presence of petroleum type contaminants contained numerous benzene derivatives, unknown alkanes and unknown aromatic compounds. Soil samples collected from the Shoplock property and the easement/right-of-way did not show presence of these TICs.

The most frequently reported and highest concentrations in the semivolatile fraction of TICs were 2-pentanone, 4-hydroxy-4-methy. However, it should be noted that soil samples collected from the Branchburg Partners property contained an increased number of benzene derivatives, unknown alkanes and unknown alyklbenzenes in comparison to those samples collected from the other areas investigated.

6.3 Unknown UST Contents Samples

One sample (WOUSTC1), collected from the suspected former waste oil UST, contained elevated concentrations of 1,1-dichloroethene, benzene, cis-1,2-dichloroethene, methylene chloride, trichloroethene, and vinyl chloride and lead above the GWQS. Of interest, 1,1-dichloroethene, cis-1,2-dichloroethene, and vinyl chloride are daughter-products created as the result of natural degradation of trichloroethene. Though the tank's contents are not considered ground water, inspection of the UST during Phase 1 and 2 investigations indicated that the UST is leaking; and is considered a source of ground water degradation on the site. Therefore, comparison of the analytical results to the GWQS is deemed appropriate for this application.

The presence of these compounds suggests that vehicle maintenance fluids such as waste oil, motor fuels, lubricants and degreasers were likely placed into the tank. Inspection of the liquid removed from the tank during sampling activities showed black to dark grey globules of apparent waste motor oil on the bailer and floating within the liquid contents of the tank.

Total volatile concentrations for this sample were detected above GWQS at a concentration of 7153.6 ug/l.

6.4 Types and Distribution of Ground Water Contamination

Ground water contamination was detected in both shallow (water table) and intermediate monitoring wells sampled at the Shoplock Sunoco site during Phase 2 sampling efforts. Based on sampling results, ground water contamination is more prevalent in the shallow zone near the water table surface as opposed to deeper zones of the aquifer. This observation would be expected where contaminants of concern include compounds with specific gravities less than one, as is commonly found in gasoline and motor fuel related compounds. These compounds tend to float near the ground water surface until such time that the compounds degrade and dissolve into solution, thereby becoming more mobile, and dissipating laterally in both horizontal and vertical directions.

Contaminant parameters reported above criteria in the shallow ground water at concentrations above NJDEP Quality Standards (GWQS) for samples collected during first and second round Phase 2 activities include: benzene (four samples above GWQS), TBA (five samples above GWQS), MTBE (five samples above GWQS), and 1,1-dichloroethene (four samples above GWQS), trichloroethene (three sample above GWQS).

Contaminant parameters reported above criteria in the deeper ground water include: benzene (two samples above GWQS), TBA (two samples above GWQS), MTBE (three samples above GWQS), and 1,1-dichloroethene (one samples above GWQS), trichloroethene (three sample above GWQS).

Based on review of Phase 1 and Phase 2 sampling results, ground water contamination is prevalent throughout the southern and southeastern portions of the Shoplock property and extends offsite to the south and southeast. Phase 1 ground water sampling results indicated that the volatile organic contamination was observed in wells SMW1S, SMW2S, SMW3S, SMW4S and SMW5S, which are located on the Shoplock property; and in well SMW7S, which is located in the northern portion of the Branchburg Partners parking lot. Ground water flow at the Shoplock facility was found to be from west/northwest to east/southeast. Results of Phase 2 investigations define the horizontal extent of the previously identified groundwater contamination to the south and east. A review of analytical data from Phase 1 wells, converted former potable wells, and newly installed Phase 2 wells clearly define the extent of the petroleum hydrocarbon impacted ground water as of the November 2004.

6.4.1 Volatile Organics

Volatile contamination above the GWQS within the shallow portion of the aquifer during Phase 2 sampling activities consists of benzene, TBA, MTBE, 1,1-dichloroethene, and trichloroethene. Shallow ground water VOC contamination was identified in five onsite wells (SMW-1S, SMW-2S, SMW-3S, SMW-4S and SMW-5S) located on the Shoplock property and in two offsite wells, SMW-7S located on the Branchburg Partners property, SMW11S located in the Route 202 median strip, and SMW13S located on the Overhead Door/Pella Windows property.

VOC impacts above the GWQS within the deeper, intermediate portion of the aquifer consisted of benzene, TBA, MTBE, 1,1-dichloroethene, and trichloroethene. Contamination of the intermediate zone ground water was identified in one onsite well (SMW-3M) and five offsite wells (SMW-8M, SMW-11M, SMW-13M, Partak and Varju).

Comparison of analytical data for monitoring wells between the first round (October 2004) and second round (November 2004) of Phase 2 sampling is limited to data collected from the newly installed wells (SMW-10, SMW-11, SMW-12 and SMW-13 series wells). Review of the ground water data between the first round and second round ground water sampling events for the newly installed wells shows near identical concentrations of volatile contaminants within each of the wells containing concentrations of volatiles above criteria, with the exception of SMW13S. First round analytical data from SMW13S indicated elevated concentrations of benzene, TBA and MTBE above the GWQS; however, second round analytical showed that each of these parameters were reported a concentrations well below the GWQS.

Comparison of ground water analytical data for Phase 1 monitoring wells for samples collected during Phase 1 and Phase 2 sampling efforts shows near identical analytical results between the two investigation phases, with only minor fluctuations in the concentrations of several VOC parameters. In particular, the concentration of benzene in well SMW5S and 1,1-dichloroethene in well SMW7M decreased slightly from the Phase 1 results to Phase 2 results. Conversely, concentrations of TBA increased from Phase 1 results to Phase 2 results in wells SMW3S and SWM4, and concentrations of MTBE increased from Phase 1 results to Phase 2 results in wells SWM3S and SMW8M. This comparison not only confirms the analytical findings between the two events, but also aids in identifying point source areas for the observed contamination and overall plume movement over time.

In similar fashion with Phase 1 ground water sampling data, analytical results show the highest concentrations of onsite VOC impacts are located within the eastern and southeastern portions of the site, hence indicating that the likely source of contamination is the former and/or current UST system(s) located in the central eastern portion of the site. Contamination reported in wells SMW-2S, SMW-3S, SMW-4S, SMW-7S, SMW-8M, SMW-13S and SMW-13M is likely the result of migration of impacted ground water from the fuel distribution system appurtenances to offsite areas to the east and south. The presence of MTBE and TBA in these wells indicates that the contamination is the result of releases of unleaded gasoline.

Chlorinated hydrocarbon contamination of 1,1-dichloroethene identified in onsite wells SMW-1S, SMW-3M, SMW-4S and SMW-5S, was once again detected during Phase 2 ground water sampling activities and is likely migrating south and southeast beyond the site borders. Trichloroethene was reported in samples collected from SMW1S, SMW11S, SMW11M, former Partak potable well and the former Varju potable well. In addition, positive presence of TCE was noted below the GWQS in SMW-5S during Phase 2 sampling efforts. As reported in the Final Remedial Investigation submitted in March 2003, the presence of trichloroethene, as detected in the Partak and Varju former potable wells, was believed to be the result of an offsite source of contamination, as no TCE had been identified on the Shoplock property. However, analytical results for the grab sample collected from the unknown UST identified on the Shoplock property indicate that 1,1-dichloroethene (1,600 ug/l D) and trichloroethene (620 ug/l D) were reported at

concentrations above the GWQS and therefore represent a potential on-site source for the chlorinated hydrocarbon contamination observed during Phase 1 and Phase 2 investigations.

It should be noted that suspected soil contamination noted in off-site monitoring well SMW-7S series is likely not related to releases of motor fuels on the Shoplock property. As discussed in Section 6.2.1, possible off-site migration of petroleum product from the Shoplock property within the unsaturated soil zone would likely have followed preferential pathways created by subsurface utilities which run east/west along Route 202. It is also unlikely that contamination was transferred to shallow subsurface soil located on the Branchburg Partners property via ground water flow since numerous measurements to the water table in both SMW-7S and SMW-7M consistently show ground water at depths of greater than 18 feet. However, the elevated concentrations of benzene, TBA and MTBE identified in ground water samples collected from SMW-7S indicate impact from relatively recent releases of unleaded gasoline that likely originated from the Shoplock property. As shown by the results of the ground water pumping test conducted during Phase 1 investigative activities, bedrock beneath the site is highly fractured and jointed, and provides pathways for horizontal and vertical flow along both bedding planes and vertical fractures and joints. The fractured nature of the bedrock provides direct avenues for both the offsite migration of impacted ground water to areas located south and southeast of the site. Review of **Figures 4** through **7** indicates that the Branchburg Partners site is located hydraulically down-gradient from the Shoplock site and therefore suggests it to be a potential receptor of impact ground water originating on the Shoplock property.

Figure 9 – Ground Water Samples – Shallow Monitoring Wells – Volatile Compounds Above Criteria and **Figure 10 – Ground Water Samples – Intermediate Monitoring Wells – Volatile Compounds Above Criteria** present sample locations and results of analysis above NJDEP GWQS for both Phase 2 sampling events.

6.4.2 Tentatively Identified Compounds

No TICs were received from the contract laboratory. Low-level analysis was used for the volatiles (method 8260B). This method presents a broad list of compounds. TICs are not usually submitted with the compound list because of this reason.

6.5 Areas of Concern

Of the three soil areas of concern where soil samples were collected, only one area, the Branchburg Partners area, produced soil samples with contaminant concentrations above soil cleanup criteria.

6.5.1 Branchburg Partners Property

This area of concern includes the part of the property in the immediate vicinity of monitoring wells SMW-7S and SMW-7M. Soil samples SSB31-1, SSB32-2, SSB33-1, SSB33-2, SSB35-1 and SSB36-1 were found to have concentrations of benzene above NJDEP soil cleanup criteria, and sample SSB36-1 was reported to have concentrations of xylenes (total) above the NJDEP soil cleanup criteria. Benzene and xylenes (total) were found at concentrations above IGWSCC. None of the total volatile concentrations for these samples were found to be above IGWSCC, RDCSCCC

and NRDCSCC. Based on available soil information and review of soil boring logs for soil boring SSB34 and offsite wells SMW-10S and SMW-10M, the soil contamination appears to be limited to the area surrounding SMW-7S and SMW-7M.

No other areas of concern had soil samples with volatile, semivolatile or lead concentrations above NJDEP soil cleanup criteria. Two other areas, those with shallow monitoring wells and those with intermediate monitoring wells are also deemed areas of concern based on Phase 2 investigation results.

6.5.2 Unknown UST – Shoplock Property

The unknown UST located in front of the service bay doors at the Shoplock property is deemed an area of concern due to the poor condition of the tank and the presence of oily water leaking from said tank. A grab sample of the liquid contents of the tank indicated elevated concentrations of six volatile organic compounds, including 1,1-dichloroethene, benzene, cis-1,2-dichloroethene, methylene chloride, trichloroethene and vinyl chloride above the GWQS. Lead was also reported at concentrations above the GWQS.

Inspection of the UST showed that the tank shell has been significantly corroded and that the vent pipe has been detached from the tank, likely during excavation activities to install new electrical conduits for the dispenser islands.

Analytical results for soil samples collected from soil borings advanced in a radial pattern around the UST did not indicate positive presence of petroleum hydrocarbon compounds.

6.5.3 Shallow Monitoring Wells

Four additional well clusters (one shallow well and one intermediate well per location) were installed as part of Phase 2 investigations to fill data gaps identified at the end of Phase 1 ground water investigations. The four new well clusters were installed to evaluate cross-gradient and down-gradient ground water quality, especially with regard to MTBE and TBA.

Analytical results report 23 volatile parameters with positive concentrations found throughout shallow monitoring wells. Of these 23, five parameters were found to be above GWQS. 1,1-Dichloroethene, benzene, TBA, MTBE and trichloroethene were all found above GQWS in at least one sample. Four samples had concentrations of 1,1-dichloroethene above GWQS. Benzene concentrations above GWQS were found in four samples, TBA concentrations were found above GWQS in five samples, MTBE concentrations were found above GWQS in five samples, and lastly trichloroethene concentrations were found above GWQS in three samples. Monitoring wells SMW-2S, SMW-3S, SMW-4S and SMW-7S were found to be the most highly contaminated wells, with lesser degrees of VOC impact in wells SMW-1S, SMW-5S, SMW-11S and SMW-13S.

Based on review of the analytical data from the shallow wells, the upper portion of the aquifer has been adversely impacted by the release of gasoline and other automobile maintenance compounds. These data are reflective of gasoline constituents, typically associated with unleaded

fuels, with specific gravities less than one, which have not completely degraded and dissolved into solution. The presence of chlorinated hydrocarbons is likely attributable to onsite use and subsequent release of typical automotive repair and maintenance solvents and chemicals.

6.5.4 Intermediate Monitoring Wells

Analytical results report 14 volatile parameters with positive concentrations found throughout intermediate monitoring wells. Of these 14, five parameters were found to be above GWQS. Specifically, 1,1-dichloroethene, benzene, TBA, MTBE and trichloroethene were all found above GWQS in at least one sample. One sample had concentrations of 1,1-dichloroethene above GWQS, benzene concentrations above GWQS were found in two samples, two samples had concentrations of TBA above GWQS, three samples had concentrations of MTBE above the GWQS, and trichloroethene concentrations were found above GWQS in three samples.

Presence of the chlorinated hydrocarbon 1,1-dichloroethene detected in wells SMW-1S, SMW-3M, SMW-4S, SMW-5S, and SMW-7M is evaluated as offsite migration of the contaminants from the unknown UST located on the Shoplock property. Lack of apparent chlorinated hydrocarbons in the up-gradient wells SMW-6S, SMW-6M, SMW-9SA and Shoplock potable well and elevated concentrations of this compound identified within the UST suggest the likely source of the contaminant onsite.

Presence of trichloroethene in the Partak and Varju wells had historically been evaluated as emanating from an unknown offsite source as TCE was not detected above criteria or in positive concentrations on the Shoplock property. However, sampling of the contents of the unknown UST located on the Shoplock property during Phase 2 activities indicated a source of trichloroethene at concentrations well above the GWQS. In addition, Phase 2 ground water sampling activities showed a positive presence of trichloroethene within two onsite and four off-site wells, with four wells producing elevated concentrations above the GWQS. Further review of these data show that the highest concentrations of trichloroethene reported during this investigation were noted in samples collected from SMW-11S, SMW-11M (which are located within the grassy median strip near the entrance to the McDonald's and Exxon Service Station facilities), the former Partak potable well and the former Varju potable well. This information suggests that an off-site source of trichloroethene, in addition to the on-site source identified within the unknown UST on the Shoplock property, is likely contributing to continued ground water degradation to the east and southeast of the Shoplock property.

It is apparent that volatile organic compounds are a concern at this site both in the shallow wells and the intermediate wells. Refer to **Figure 11 – Ground Water Samples – Shallow Monitoring Wells – Total Volatile Concentrations** and **Figure 12 – Ground Water Samples – Intermediate Monitoring Wells – Total Volatile Concentrations**, which show monitoring well locations along with total volatile concentrations.

7.0 CONCLUSIONS

Based on the findings presented in Section 5.0 and the analyses of the nature and extent of the contamination presented in Section 6.0, Kimball has developed the following conclusions. Investigation conclusions for the Branchburg Partners property, the unknown UST on the Shoplock property and the easement/right-of-way to the Shoplock Property (Overhead Door/Pella Window) are based on results of soils investigations conducted on each respective property. Conclusions of the ground water investigation are discussed for shallow and intermediate water table conditions.

7.1 Branchburg Partners Property

This AOC is evaluated as an environmental concern due to the presence of petroleum contaminated soil identified in the vicinity of monitoring well SMW-7S. Analytical results for soil sample collected from soil borings advanced around SMW-7S indicate benzene and xylenes (total) at concentrations above the IGWSCC. The observed VOC contamination was detected in soil samples collected between 7.0 feet and 12.0 feet below ground surface. Intrusive activities conducted during Phase 1 investigations suggested that a suspected former UST cavity was located in the vicinity of SMW-7S; however, data collected during advancement of soil borings in this area did not provide additional supporting evidence of a tank cavity or excavation. Review of Phase 2 investigation results indicate that petroleum hydrocarbon impacts to the shallow soil horizon are localized to the area immediately surrounding SMW-7S.

7.2 Unknown UST – Shoplock Property

This AOC is evaluated as an environmental concern at the Shoplock Sunoco site due to the presence of an apparent 550-gallon waste oil UST located within the asphalt paved area in front of the service bay doors. The UST was noted to be in poor condition with numerous small visible corrosion holes evident within the tanks shell. The abandoned UST was noted to be full and leaking oily water into the subsurface through the damaged vent pipe opening and corrosion holes. Phase 2 investigation results indicate that the UST vent piping was damaged during upgrades/retrofits to the existing fuel distribution system. Analytical results of a grab sample collected from the tanks liquid contents indicated concentrations of six volatile organic compounds above the GWQS. Presence of the VOC contamination within the tank, particularly 1,1-dichloroethene, cis-1,2-dichloroethene and trichloroethene, represents another source area for observed ground water contamination identified on the site and adjoining properties located down-gradient from the site. The identified presence of 1,1-dichloroethene, cis-1,2-dichloroethene and vinyl chloride are evaluated as degradation (daughter) products from the natural breakdown of trichloroethene.

7.3 Easement Right-of-Way to the Shoplock Property

This AOC is not evaluated as an environmental concern based on the results of Phase 2 soils investigations. Investigations within this AOC did not identify visible indicators of soil contamination at concentrations in excess of applicable NJDEP criteria.

7.4 Shallow Monitoring Wells

The shallow water table is evaluated as an environmental concern at the Shoplock Sunoco site. Results of Phase 2 analytical testing on shallow water table ground water samples collected from on-site as well as off-site wells indicate that site ground water has been adversely impacted by volatile organic compounds, specifically benzene, MTBE, TBA, 1,1-dichloroethene, and trichloroethene inconsistent fashion with analytical results reported during the Phase 1 investigation. The VOC impacts are attributed to releases of gasoline and other automotive maintenance chemicals used and stored on-site. The observed shallow VOC impacts are most notable and significant in on-site wells located within the central and eastern/southeastern portions of the site and in off-site wells located in the northeastern portion of the Branchburg Partners property and within the easement/right to the Shoplock property. These data indicate that the observed contamination in the shallow wells is representative of point source releases of product from the onsite USTs and associated appurtenances.

As determined during Phase 1 investigations, ground water contamination has likely migrated and continues to migrate off-site in the overall apparent flow direction to the south/southeast. Information obtained during Phase 2 ground water investigations indicates that the horizontal extent of shallow groundwater contamination is defined by the area bounded by onsite wells SMW-1S and SMW-5S, and off-site wells SMW-7S and SMW13S. Shallow wells installed outside of this radius have not shown concentrations of investigation driver parameters above the GWQS.

As stated previously, evidence of petroleum hydrocarbon impacted soil was confirmed on the Branchburg Partners, Inc. property in the vicinity of SMW-7S. While the source of the impacted soil is not believed to be associated with identified contaminants of concern on the Shoplock property, ground water impacts currently reported within monitoring well SMW–7S and historically observed within monitoring well SMW-7M are likely the result of release of gasoline from the Shoplock facility. The presence of relatively high concentrations of the TBA and MTBE, suggests that the ground water contamination is the result of relatively recent releases and not from releases of gasoline produced prior to the manufacture of unleaded gasoline.

7.5 Intermediate Monitoring Wells

The deeper water table is evaluated as an environmental concern at the Shoplock Sunoco site, due to the presence of several volatile organic compounds above the GWQS. Based on a review of current and historic ground water sampling data for both shallow and intermediate depth wells, the identified concentrations or benzene , MTBE, TBA and 1,1-dichlorethene are suspected to have originated from onsite sources on the Shoplock facility. However, the concentrations of trichloroethene, reported above criteria in samples collected from the off-site Partak and Varju former potable wells and the newly installed SMW-11 series wells are suspected to have originated from offsite sources.

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Shoplock Sunoco
Groundwater Elevations

Well Number	X-Coordinate	Y-Coordinate	Installation Date	Well Diameter (inches)	Elevation Ground Surface	Elevation Top of Inner Casing	Depth of Steel Casing	Depth to Bottom of Well	Depth To Water, Oct. 1, 2004	Depth To Water, Nov. 8, 2004	10/01/04 Groundwater Elevation	11/8/04 Groundwater Elevation	NJDEP Permit Number	Comments
Shoplock Sunoco Service Center (Gulf Station)														
MW-E1	440870.953	631829.881	(3)	4.00	79.67	79.34	(1)	7.42	(2)	(2)	(2)	(2)	(3)	4" PVC screen; no well cap
MW-E2	440886.629	631830.860	(3)	4.00	79.52	79.23	(1)	8.26	(2)	(2)	(2)	(2)	(3)	4" PVC screen; no well cap; 3" mud
MW-E4	440935.619	631818.123	(3)	4.00	78.82	78.33	(1)	3.96	(2)	(2)	(2)	(2)	(3)	4" PVC; solid riser; no cap; partially filled
MW-E5	440927.291	631841.638	(3)	4.00	79.50	79.23	(1)	4.19	(2)	(2)	(2)	(2)	(3)	4" PVC; solid riser; no cap; partially filled
MW-E3	440938.068	631831.350	(3)	4.00	78.93	78.70	(1)	25.49	(2)	(2)	(2)	(2)	(3)	4" PVC; solid riser
MW-P4	440868.511	6311719.754	(3)	4.00	77.48	77.01	(1)	31.35	(2)	(2)	(2)	(2)	(3)	4" PVC; solid riser
Potable	440690.153	631775.657	(3)	6.00	81.96	82.74	(3)	199.25	(2)	(2)	(2)	(2)	(3)	6" steel;
SMW1S	440719.429	631648.205	12/05/01	3.78	78.00	77.57	20.80	34.91	20.73	(2)	56.84	(2)	2259165	
SMW1M	440715.584	631656.307	11/29/01	3.78	78.44	78.04	56.15	75.34	20.3	(2)	57.74	(2)	2259166	
SMW2S	440781.550	631677.221	11/28/01	3.78	77.90	77.57	31.36	43.51	17.33	(2)	60.24	(2)	2259167	Moderate Fuel odor
SMW2M	440769.460	631671.744	11/27/01	3.78	77.99	77.65	57.35	80.15	20.84	(2)	56.81	(2)	2259168	
SMW3S	440868.051	631727.641	12/03/01	3.78	77.56	77.12	21.65	46.54	13.27	(2)	63.85	(2)	2259169	Sheen on water
SMW3M	440878.480	631731.914	11/30/01	3.78	77.52	77.03	56.50	81.05	20.99	(2)	56.04	(2)	2259555	
SMW4S	440791.323	631726.860	11/28/01	3.78	78.85	78.47	21.50	45.75	19.21	(2)	59.26	(2)	2259170	
SMW5S	440729.820	631721.907	12/04/01	3.78	79.71	79.32	21.70	46.40	22.40	(2)	56.92	(2)	2259171	Slight Fuel odor, very slow recovery
SMW6S	440683.604	631733.583	11/19/01	3.78	80.78	80.43	22.24	46.85	22.81	(2)	57.62	(2)	2259172	Very slow recovery
SMW6M	440687.253	631725.495	11/20/01	3.78	80.54	80.15	56.80	81.97	21.99	(2)	58.16	(2)	2259173	
SMW7S	440978.484	631552.393	02/25/02	3.78	77.21	76.80	21.40	44.51	18.84	(2)	57.96	(2)	2259175	Strong Fuel odor
SMW7M	440986.984	631548.740	02/26/02	3.78	77.17	76.71	56.10	73.12	21.83	(2)	54.88	(2)	2259176	
SMW8S	441116.122	631673.125	02/14/02	3.78	74.46	73.93	19.50	42.93	16.39	(2)	57.54	(2)	2259163	
SMW8M	441121.317	631676.108	02/14/02	3.78	74.36	73.95	54.10	78.32	18.28	(2)	55.67	(2)	2259164	
SMW9SA	440703.630	631784.405	11/26/01	3.78	81.98	81.63	22.55	46.56	22.95	(2)	58.68	(2)	2259174	
SMW10S	441203.894	631450.047	08/12/04	6.00	67.95	70.71	15.40	40.27	13.09	14.08	57.62	56.63	2500064091	
SMW10M	441210.109	631445.518	08/12/04	6.00	67.83	70.56	50.00	75.01	17.18	18.87	53.38	51.69	2500064092	
SMW11S	441368.144	631875.985	08/26/04	6.00	71.47	71.09	16.00	39.25	15.90	18.48	55.19	52.61	2500063763	
SMW11M	441360.191	631872.686	08/26/04	6.00	71.49	71.12	51.00	73.30	17.55	19.33	53.57	51.79	2500063764	
SMW12S	441147.638	631865.655	08/10/04	6.00	73.86	73.59	15.00	37.59	18.83	20.96	54.76	52.63	2500063864	
SMW12M	441155.167	631869.739	08/10/04	6.00	74.02	73.67	50.00	72.14	18.69	20.76	54.98	52.91	2500063865	
SMW13S	440947.165	631794.105	08/06/04	6.00	77.68	77.45	15.80	37.09	14.65	17.41	62.80	60.04	2500063765	
SMW13M	440957.490	631793.428	08/06/04	6.00	77.26	77.03	50.00	72.15	21.09	22.93	55.94	54.10	2500063766	
Partak Property (947 Rt. 202)														
Potable	441292.390	631607.390	(3)	6.000	(3)	70.48	(3)	89.40	23.23	(2)	53.19	(2)	(3)	6" Steel, in basement
Varju Property (931 Rt. 202)														
Potable	441481.053	631766.502	(3)	6.000	(3)	78.95	(3)	91.95	26.68	(2)	52.27	(2)	(3)	6" Steel; stick-up

NOTES: (1) Wells set in 4" PVC to bottom.
(2) Measurements were not taken.
(3) Information not available.

Project No.: 99-1300-834A	**Start Date:** 8-25-04	**Log of Boring:** SMW-11S
Project Name: Shoplock Sunoco	**Complete Date:** 8-26-04	**Elevation:** 71.47 ft.
Client: New Jersey DEP	**Weather:** Clear, 70° F	**Total Depth:** 40.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 1 of 2
Site Location: 953 Route 202		
Northing: 631,875.99 ft.	**Easting:** 441,368.14 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
0		Ground Surface					
		0.0'-3.0' SILT Reddish brown, some very fine sand and trace clay, occasional shale fragments, soft, moist					10-inch boring advanced to 16.0' 6-inch steel casing set to 16.0' 6-inch boring from 16.0'-40.0'
	68.47	**3.0'-7.5' SHALE SAPROLITE** Reddish brown, very highly weathered, friable, soft, dry					
5							
	63.97	**7.5'-9.0' WEATHERED SHALE** Reddish brown, firm to moderately hard, dry					
	62.47	**9.0'-40.0' SHALE** Reddish brown, medium hard to hard, dry					
10							
15							
20						0.0	
25							

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Water levels: ▽ 0-hr.: **Date:** **Time:**

Notes: 954 Route 202

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Hollow-stem augers
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-25-04	**Log of Boring:** SMW-11S
Project Name: Shoplock Sunoco	**Complete Date:** 8-26-04	**Elevation:** 71.47 ft.
Client: New Jersey DEP	**Weather:** Clear, 70° F	**Total Depth:** 40.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 2 of 2
Site Location: 953 Route 202		
Northing: 631,875.99 ft.	**Easting:** 441,368.14 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
25		**9.0'-40.0' SHALE** Reddish brown, medium hard to hard, dry (continued)					
30							
35							
40	31.47	Total Depth = 40.0 feet					
45							
50							

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Water levels: ▽ **0-hr.:** **Date:** **Time:**

Notes: 954 Route 202

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Hollow-stem augers
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-25-04	**Log of Boring:** SMW-11M
Project Name: Shoplock Sunoco	**Complete Date:** 8-26-04	**Elevation:** 71.49 ft.
Client: New Jersey DEP	**Weather:**	**Total Depth:** 75.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 1 of 4
Site Location: 953 Route 202		
Northing: 631,872.69 ft.	**Easting:** 441,360.19 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
0		Ground Surface **0.0'-3.0' SILT** Reddish brown, trace very fine sand and clay, few weathered shale fragments, soft, moist					10-inch boring advanced to 51.0' 6-inch steel casing set to 51.0' 6-inch boring from 51.0'-75.0'
	68.49	**3.0'-7.5' SHALE SAPROLITE** Reddish brown, very highly weathered, soft, dry					
5							
	63.99	**7.5'-9.0' WEATHERED SHALE** Reddish brown, firm and moderately hard, dry					
	62.49	**9.0'-75.0' SHALE** Reddish brown, moderately hard to hard					
10							
15							
20							

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Water levels: ∇ 0-hr.: **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-25-04	**Log of Boring:** SMW-11M
Project Name: Shoplock Sunoco	**Complete Date:** 8-26-04	**Elevation:** 71.49 ft.
Client: New Jersey DEP	**Weather:**	**Total Depth:** 75.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 2 of 4
Site Location: 953 Route 202		
Northing: 631,872.69 ft.	**Easting:** 441,360.19 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
20		**9.0'-75.0' SHALE** Reddish brown, moderately hard to hard (continued)					
25							
30							
35						0.0	
40							

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Water levels: ∇ 0-hr.: **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-25-04	**Log of Boring:** SMW-11M
Project Name: Shoplock Sunoco	**Complete Date:** 8-26-04	**Elevation:** 71.49 ft.
Client: New Jersey DEP	**Weather:**	**Total Depth:** 75.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 3 of 4
Site Location: 953 Route 202		
Northing: 631,872.69 ft.	**Easting:** 441,360.19 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
40		**9.0'-75.0' SHALE** Reddish brown, moderately hard to hard (continued)					
45							
50							
55		Good water production starts at ~56.0' ~ gpm					
60							

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Water levels: ▽ **0-hr.:** **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-25-04	**Log of Boring:** SMW-11M
Project Name: Shoplock Sunoco	**Complete Date:** 8-26-04	**Elevation:** 71.49 ft.
Client: New Jersey DEP	**Weather:**	**Total Depth:** 75.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 4 of 4
Site Location: 953 Route 202		
Northing: 631,872.69 ft.	**Easting:** 441,360.19 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
60		**9.0'-75.0' SHALE** Reddish brown, moderately hard to hard (continued)					
65							
70							
75	-3.51	Total Depth = 75.0 feet					
80							

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Water levels: ▽ **0-hr.:** **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-9-04	**Log of Boring:** SMW-12S
Project Name: Shoplock Sunoco	**Complete Date:** 8-10-04	**Elevation:** 73.86 ft.
Client: New Jersey DEP	**Weather:** Sunny, 70° F	**Total Depth:** 39.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 1 of 2
Site Location: 953 Route 202		
Northing: 631,865.66 ft.	**Easting:** 441,147.64 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
0		Ground Surface					
		0.0'-0.6' ASPHALT PAVEMENT					10-inch boring advanced to 15.0'
	73.26	**0.6'-1.0' CRUSHED GRAVEL SUBBASE**					6-inch steel set to 15.0'
	72.86	**1.0'-4.0' SHALE** Reddish brown, very weathered with silt, firm					6-inch boring from 15.0'-39.0'
	69.86	**4.0'-39.0' SHALE** Reddish brown, hard, dry					
5							
10							
15							
20						0.0	

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Water levels: ∇ 0-hr.: **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-9-04	**Log of Boring:** SMW-12S
Project Name: Shoplock Sunoco	**Complete Date:** 8-10-04	**Elevation:** 73.86 ft.
Client: New Jersey DEP	**Weather:** Sunny, 70° F	**Total Depth:** 39.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 2 of 2
Site Location: 953 Route 202		
Northing: 631,865.66 ft.	**Easting:** 441,147.64 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
20		**4.0'-39.0' SHALE** Reddish brown, hard, dry (continued)					
25							
30							
35							
	34.86	Total Depth = 39.0 feet					
40							

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Water levels: ∇ 0-hr.: **Date:** **Time:**

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Notes:

Project No.: 99-1300-834A	**Start Date:** 8-9-04	**Log of Boring:** SMW-12M
Project Name: Shoplock Sunoco	**Complete Date:** 8-10-04	**Elevation:** 74.02 ft.
Client: New Jersey DEP	**Weather:** Sunny, 70° D	**Total Depth:** 74.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 1 of 4
Site Location: 953 Route 202		
Northing: 631,869.74 ft.	**Easting:** 441,155.17 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
0		Ground Surface					10-inch boring advanced to 50.0' 6-inch steel casing set to 50.0' 6-inch boring from 50.0'-74.0'
	73.42	**0.0'-0.6' ASPHALT PAVEMENT**					
	73.02	**0.6'-1.0' CRUSHED GRAVEL SUBBASE**					
		1.0'-4.0' SILT Reddish brown, w/highly weathered shale					
	70.02	**4.0'-74.0' SHALE** Reddish brown, hard, slightly weathered at top					
5							
10							
15							
20							

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Water levels: ∇ 0-hr.: **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-9-04	**Log of Boring:** SMW-12M
Project Name: Shoplock Sunoco	**Complete Date:** 8-10-04	**Elevation:** 74.02 ft.
Client: New Jersey DEP	**Weather:** Sunny, 70° D	**Total Depth:** 74.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 2 of 4
Site Location: 953 Route 202		
Northing: 631,869.74 ft.	**Easting:** 441,155.17 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
20		**4.0'-74.0' SHALE** Reddish brown, hard, slightly weathered at top (continued)					
25							
30							
35						0.0	
40							

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Water levels: ▽ **0-hr.:** **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-9-04	**Log of Boring:** SMW-12M
Project Name: Shoplock Sunoco	**Complete Date:** 8-10-04	**Elevation:** 74.02 ft.
Client: New Jersey DEP	**Weather:** Sunny, 70° D	**Total Depth:** 74.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 3 of 4
Site Location: 953 Route 202		
Northing: 631,869.74 ft.	**Easting:** 441,155.17 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
40		**4.0'-74.0' SHALE** Reddish brown, hard, slightly weathered at top (continued) Wet at ~ 43.0' w/notable water in air return					
45							
50							
55							
60							

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Water levels: ⊽ **0-hr.:** **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Project No.: 99-1300-834A	**Start Date:** 8-9-04	**Log of Boring:** SMW-12M
Project Name: Shoplock Sunoco	**Complete Date:** 8-10-04	**Elevation:** 74.02 ft.
Client: New Jersey DEP	**Weather:** Sunny, 70° D	**Total Depth:** 74.0 ft.
Project Location: Branchburg, NJ	**Logged by:** J. Marhefka	**SHEET:** 4 of 4
Site Location: 953 Route 202		
Northing: 631,869.74 ft.	**Easting:** 441,155.17 ft.	

Depth	Elevation	Description	Sample Number	Sample Type	Sample Recovery (ft.)	PID/FID (ppm)	Remarks
60		**4.0'-74.0' SHALE** Reddish brown, hard, slightly weathered at top (continued) Notable water produced from 60.0'-61.0' and 73.0'-74.0'					
65							
70							
	0.02	Total Depth = 74.0 feet					
75							
80							

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Water levels: ▽ **0-hr.:** **Date:** **Time:**

Notes:

Drilled by: J. Evans/Unitech Drilling Co.
Drilling rig: Reich Drill T-650-W
Method of drilling: Air-Rotary
Checked by: J. Marhefka

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW1S	SW1S	SW2S	SW3S	SW4S	SW5S
Sample ID	Water	SW1S3	SW1S3D	SW2S3	SW3S3	SW4S3	SW5S3
Lab ID	Quality	589960	589961	590284	590293	590287	590288
Date Sampled	Standard	10/1/2004	10/1/2004	10/4/2004	10/4/2004	10/4/2004	10/4/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1,2-TETRACHLOROETHANE	10	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,1,1-TRICHLOROETHANE	30	0.34 J	0.36 J	8.8 U	14 U	3.8 U	0.76 J
1,1,2,2-TETRACHLOROETHANE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,1,2-TRICHLOROETHANE	3	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,1-DICHLOROETHANE	70	0.45 J	0.48 J	8.8 U	14 U	1.9 J	0.41 J
1,1-DICHLOROETHENE	2	2.9	2.9	8.8 U	14 U	7.9	7
1,2,3-TRICHLOROPROPANE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2,4-TRICHLOROBENZENE	9	0.26 JB	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DIBROMO-3-CHLOROPROPANE	1	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DIBROMOETHANE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DICHLOROBENZENE	600	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DICHLOROETHANE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DICHLOROETHENE (TOTAL)		0.51 J	0.52 J	2.7 J	14 U	1.1 J	1 U
1,2-DICHLOROPROPANE	1	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,3-DICHLOROBENZENE	600	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,4-DICHLOROBENZENE	75	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,4-DIOXANE		50 U	50 U	440 U	710 U	190 U	50 U
2-BUTANONE	300	5 U	5 U	44 U	71 U	19 U	5 U
2-HEXANONE	100	5 U	5 U	44 U	71 U	19 U	5 U
4-METHYL-2-PENTANONE	400	5 U	5 U	44 U	71 U	19 U	5 U
ACETONE	700	5 U	5 U	44 U	71 U	19 U	5 U
ACROLEIN	10	5 U	5 U	44 U	71 U	19 U	5 U
ACRYLONITRILE	50	1 U	1 U	8.8 U	14 U	3.8 U	1 U
ALLYL CHLORIDE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
BENZENE	1	1 U	1 U	180	14 U	4.6	1 U
BROMOCHLOROMETHANE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
BROMODICHLOROMETHANE	1	1 U	1 U	8.8 U	14 U	3.8 U	1 U
BROMOFORM	4	1 U	1 U	8.8 U	14 U	3.8 U	1 U
BROMOMETHANE	10	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CARBON DISULFIDE	800	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CARBON TETRACHLORIDE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CHLOROBENZENE	50	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CHLOROETHANE	100	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CHLOROFORM	6	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CHLOROMETHANE	30	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CIS-1,2-DICHLOROETHENE	10	0.45 J	0.46 J	2.4 J	14 U	0.96 J	1 U
CIS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
DIBROMOCHLOROMETHANE	10	1 U	1 U	8.8 U	14 U	3.8 U	1 U
DIBROMOMETHANE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
DICHLORODIFLUOROMETHANE	1000	1 U	1 U	8.8 U	14 U	3.8 U	1 U
ETHYL METHACRYLATE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
ETHYLBENZENE	700	1 U	1 U	220	14 U	1.1 J	1 U
ISOBUTYL ALCOHOL		50 U	50 U	440 U	710 U	190 U	50 U
ISOPROPYLBENZENE	800	1 U	1 U	24	14 U	1.9 J	1 U
METHACRYLONITRILE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
METHYL METHACRYLATE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
METHYLENE CHLORIDE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
STYRENE	100	1 U	1 U	8.8 U	14 U	3.8 U	1 U
T-BUTYL ALCOHOL	100	50 U	50 U	1400	6900	1700	50 U
TERT-BUTYL METHYL ETHER	70	21	20	2000 D	3700 D	850 D	3.7

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW1S		SW1S		SW2S		SW3S		SW4S		SW5S	
Sample ID	Water	SW1S3		SW1S3D		SW2S3		SW3S3		SW4S3		SW5S3	
Lab ID	Quality	589960		589961		590284		590293		590287		590288	
Date Sampled	Standard	10/1/2004		10/1/2004		10/4/2004		10/4/2004		10/4/2004		10/4/2004	
Units	(ug/l)	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
TETRACHLOROETHENE	1	0.7	J	0.72	J	8.8	U	14	U	3.8	U	0.24	J
TOLUENE	1000	1	U	1	U	62		14	U	3.8	U	1	U
TOTAL VOA	500	27.61		26.54		4502.1		10600		6		12.38	
TRANS-1,2-DICHLOROETHENE	100	1	U	1	U	8.8	U	14	U	3.8	U	1	U
TRANS-1,3-DICHLOROPROPENE	0.2	1	U	1	U	8.8	U	14	U	3.8	U	1	U
TRICHLOROETHENE	1	1		1.1		8.8	U	14	U	3.8	U	0.27	J
TRICHLOROFLUOROMETHANE		1	U	1	U	8.8	U	14	U	3.8	U	1	U
VINYL ACETATE	7000	1	U	1	U	8.8	U	14	U	3.8	U	1	U
VINYL CHLORIDE	5	1	U	1	U	8.8	U	14	U	3.8	U	1	U
XYLENE (TOTAL)	1000	1	U	1	U	310		14	U	3.8	U	1	U
XYLENE (M,P)		1	U	1	U	270		14	U	3.8	U	1	U
XYLENE (O)		1	U	1	U	31		14	U	3.8	U	1	U

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW6S	SW7S	SW8S	SW8S	SW9SA	SW10S
Sample ID	Water	SW6S3	SW7S3	SW8S3	SW8S3D	SW9SA3	SW10S3
Lab ID	Quality	590290	590296	590298	590299	590291	590300
Date Sampled	Standard	10/4/2004	10/5/2004	10/5/2004	10/5/2004	10/4/2004	10/5/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1,2-TETRACHLOROETHANE	10	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1,1-TRICHLOROETHANE	30	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1,2,2-TETRACHLOROETHANE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	3	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	70	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2,3-TRICHLOROPROPANE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2,4-TRICHLOROBENZENE	9	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DIBROMO-3-CHLOROPROPANE	1	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DIBROMOETHANE		1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DICHLOROBENZENE	600	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHENE (TOTAL)		1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	1	1 U	6.9 U	1 U	1 U	1 U	1 U
1,3-DICHLOROBENZENE	600	1 U	6.9 U	1 U	1 U	1 U	1 U
1,4-DICHLOROBENZENE	75	1 U	6.9 U	1 U	1 U	1 U	1 U
1,4-DIOXANE		50 U	340 U	50 U	50 U	50 U	50 U
2-BUTANONE	300	5 U	34 U	5 U	5 U	5 U	5 U
2-HEXANONE	100	5 U	34 U	5 U	5 U	5 U	5 U
4-METHYL-2-PENTANONE	400	5 U	34 U	5 U	5 U	5 U	5 U
ACETONE	700	5 U	34 U	5 U	5 U	5 U	5 U
ACROLEIN	10	5 U	34 U	5 U	5 U	5 U	5 U
ACRYLONITRILE	50	1 U	6.9 U	1 U	1 U	1 U	1 U
ALLYL CHLORIDE		1 U	6.9 U	1 U	1 U	1 U	1 U
BENZENE	1	1 U	3.4 J	1 U	1 U	1 U	1 U
BROMOCHLOROMETHANE		1 U	6.9 U	1 U	1 U	1 U	1 U
BROMODICHLOROMETHANE	1	1 U	6.9 U	0.42 J	0.44 J	1 U	0.23 J
BROMOFORM	4	1 U	6.9 U	1 U	1 U	1 U	1 U
BROMOMETHANE	10	1 U	6.9 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	800	1 U	6.9 U	1 U	1 U	1 U	1 U
CARBON TETRACHLORIDE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	50	1 U	6.9 U	1 U	1 U	1 U	1 U
CHLOROETHANE	100	1 U	6.9 U	1 U	1 U	1 U	1 U
CHLOROFORM	6	1 U	6.9 U	3.8	3.7	1 U	1.1
CHLOROMETHANE	30	1 U	6.9 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	10	1 U	6.9 U	1 U	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE	0.2	1 U	6.9 U	1 U	1 U	1 U	1 U
DIBROMOCHLOROMETHANE	10	1 U	6.9 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE		1 U	6.9 U	1 U	1 U	1 U	1 U
DICHLORODIFLUOROMETHANE	1000	1 U	6.9 U	1 U	1 U	1 U	1 U
ETHYL METHACRYLATE		1 U	6.9 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	1 U	6.9	1 U	1 U	1 U	1 U
ISOBUTYL ALCOHOL		50 U	340 U	50 U	50 U	50 U	50 U
ISOPROPYLBENZENE	800	1 U	2.4 J	1 U	1 U	1 U	1 U
METHACRYLONITRILE		1 U	6.9 U	1 U	1 U	1 U	1 U
METHYL METHACRYLATE		1 U	6.9 U	1 U	1 U	1 U	1 U
METHYLENE CHLORIDE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
STYRENE	100	1 U	6.9 U	1 U	1 U	1 U	1 U
T-BUTYL ALCOHOL	100	50 U	1200	50 U	50 U	50 U	50 U
TERT-BUTYL METHYL ETHER	70	1 U	1600 D	0.62 J	0.64 J	1 U	3.1

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW6S	SW7S	SW8S	SW8S	SW9SA	SW10S
Sample ID	Water	SW6S3	SW7S3	SW8S3	SW8S3D	SW9SA3	SW10S3
Lab ID	Quality	590290	590296	590298	590299	590291	590300
Date Sampled	Standard	10/4/2004	10/5/2004	10/5/2004	10/5/2004	10/4/2004	10/5/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
TETRACHLOROETHENE	1	1 U	6.9 U	1 U	1 U	1 U	1 U
TOLUENE	1000	1 U	6.9 U	1 U	1 U	1 U	1 U
TOTAL VOA	500	0 U	2812.7	4.84	4.78	0 U	4.43
TRANS-1,2-DICHLOROETHENE	100	1 U	6.9 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	0.2	1 U	6.9 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	1	1 U	6.9 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE		1 U	6.9 U	1 U	1 U	1 U	1 U
VINYL ACETATE	7000	1 U	6.9 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	5	1 U	6.9 U	1 U	1 U	1 U	1 U
XYLENE (TOTAL)	1000	1 U	6.9 U	1 U	1 U	1 U	1 U
XYLENE (M,P)		1 U	6.9 U	1 U	1 U	1 U	1 U
XYLENE (O)		1 U	6.9 U	1 U	1 U	1 U	1 U

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW1S	SW1S	SW2S	SW3S	SW4S	SW5S
Sample ID	Water	SW1S3	SW1S3D	SW2S3	SW3S3	SW4S3	SW5S3
Lab ID	Quality	589960	589961	590284	590293	590287	590288
Date Sampled	Standard	10/1/2004	10/1/2004	10/4/2004	10/4/2004	10/4/2004	10/4/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1,2-TETRACHLOROETHANE	10	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,1,1-TRICHLOROETHANE	30	0.34 J	0.36 J	8.8 U	14 U	3.8 U	0.76 J
1,1,2,2-TETRACHLOROETHANE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,1,2-TRICHLOROETHANE	3	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,1-DICHLOROETHANE	70	0.45 J	0.48 J	8.8 U	14 U	1.9 J	0.41 J
1,1-DICHLOROETHENE	2	2.9	2.9	8.8 U	14 U	7.9	7
1,2,3-TRICHLOROPROPANE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2,4-TRICHLOROBENZENE	9	0.26 JB	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DIBROMO-3-CHLOROPROPANE	1	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DIBROMOETHANE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DICHLOROBENZENE	600	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DICHLOROETHANE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,2-DICHLOROETHENE (TOTAL)		0.51 J	0.52 J	2.7 J	14 U	1.1 J	1 U
1,2-DICHLOROPROPANE	1	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,3-DICHLOROBENZENE	600	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,4-DICHLOROBENZENE	75	1 U	1 U	8.8 U	14 U	3.8 U	1 U
1,4-DIOXANE		50 U	50 U	440 U	710 U	190 U	50 U
2-BUTANONE	300	5 U	5 U	44 U	71 U	19 U	5 U
2-HEXANONE	100	5 U	5 U	44 U	71 U	19 U	5 U
4-METHYL-2-PENTANONE	400	5 U	5 U	44 U	71 U	19 U	5 U
ACETONE	700	5 U	5 U	44 U	71 U	19 U	5 U
ACROLEIN	10	5 U	5 U	44 U	71 U	19 U	5 U
ACRYLONITRILE	50	1 U	1 U	8.8 U	14 U	3.8 U	1 U
ALLYL CHLORIDE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
BENZENE	1	1 U	1 U	180	14 U	4.6	1 U
BROMOCHLOROMETHANE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
BROMODICHLOROMETHANE	1	1 U	1 U	8.8 U	14 U	3.8 U	1 U
BROMOFORM	4	1 U	1 U	8.8 U	14 U	3.8 U	1 U
BROMOMETHANE	10	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CARBON DISULFIDE	800	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CARBON TETRACHLORIDE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CHLOROBENZENE	50	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CHLOROETHANE	100	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CHLOROFORM	6	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CHLOROMETHANE	30	1 U	1 U	8.8 U	14 U	3.8 U	1 U
CIS-1,2-DICHLOROETHENE	10	0.45 J	0.46 J	2.4 J	14 U	0.96 J	1 U
CIS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
DIBROMOCHLOROMETHANE	10	1 U	1 U	8.8 U	14 U	3.8 U	1 U
DIBROMOMETHANE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
DICHLORODIFLUOROMETHANE	1000	1 U	1 U	8.8 U	14 U	3.8 U	1 U
ETHYL METHACRYLATE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
ETHYLBENZENE	700	1 U	1 U	220	14 U	1.1 J	1 U
ISOBUTYL ALCOHOL		50 U	50 U	440 U	710 U	190 U	50 U
ISOPROPYLBENZENE	800	1 U	1 U	24	14 U	1.9 J	1 U
METHACRYLONITRILE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
METHYL METHACRYLATE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
METHYLENE CHLORIDE	2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
STYRENE	100	1 U	1 U	8.8 U	14 U	3.8 U	1 U
T-BUTYL ALCOHOL	100	50 U	50 U	1400	6900	1700	50 U
TERT-BUTYL METHYL ETHER	70	21	20	2000 D	3700 D	850 D	3.7

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW1S	SW1S	SW2S	SW3S	SW4S	SW5S
Sample ID	Water	SW1S3	SW1S3D	SW2S3	SW3S3	SW4S3	SW5S3
Lab ID	Quality	589960	589961	590284	590293	590287	590288
Date Sampled	Standard	10/1/2004	10/1/2004	10/4/2004	10/4/2004	10/4/2004	10/4/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
TETRACHLOROETHENE	1	0.7 J	0.72 J	8.8 U	14 U	3.8 U	0.24 J
TOLUENE	1000	1 U	1 U	62	14 U	3.8 U	1 U
TOTAL VOA	500	27.61	26.54	4502.1	10600	6	12.38
TRANS-1,2-DICHLOROETHENE	100	1 U	1 U	8.8 U	14 U	3.8 U	1 U
TRANS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	8.8 U	14 U	3.8 U	1 U
TRICHLOROETHENE	1	1	1.1	8.8 U	14 U	3.8 U	0.27 J
TRICHLOROFLUOROMETHANE		1 U	1 U	8.8 U	14 U	3.8 U	1 U
VINYL ACETATE	7000	1 U	1 U	8.8 U	14 U	3.8 U	1 U
VINYL CHLORIDE	5	1 U	1 U	8.8 U	14 U	3.8 U	1 U
XYLENE (TOTAL)	1000	1 U	1 U	310	14 U	3.8 U	1 U
XYLENE (M,P)		1 U	1 U	270	14 U	3.8 U	1 U
XYLENE (O)		1 U	1 U	31	14 U	3.8 U	1 U

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW6S	SW7S	SW8S	SW8S	SW9SA	SW10S
Sample ID	Water	SW6S3	SW7S3	SW8S3	SW8S3D	SW9SA3	SW10S3
Lab ID	Quality	590290	590296	590298	590299	590291	590300
Date Sampled	Standard	10/4/2004	10/5/2004	10/5/2004	10/5/2004	10/4/2004	10/5/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1,2-TETRACHLOROETHANE	10	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1,1-TRICHLOROETHANE	30	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1,2,2-TETRACHLOROETHANE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	3	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	70	1 U	6.9 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2,3-TRICHLOROPROPANE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2,4-TRICHLOROBENZENE	9	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DIBROMO-3-CHLOROPROPANE	1	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DIBROMOETHANE		1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DICHLOROBENZENE	600	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHENE (TOTAL)		1 U	6.9 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	1	1 U	6.9 U	1 U	1 U	1 U	1 U
1,3-DICHLOROBENZENE	600	1 U	6.9 U	1 U	1 U	1 U	1 U
1,4-DICHLOROBENZENE	75	1 U	6.9 U	1 U	1 U	1 U	1 U
1,4-DIOXANE		50 U	340 U	50 U	50 U	50 U	50 U
2-BUTANONE	300	5 U	34 U	5 U	5 U	5 U	5 U
2-HEXANONE	100	5 U	34 U	5 U	5 U	5 U	5 U
4-METHYL-2-PENTANONE	400	5 U	34 U	5 U	5 U	5 U	5 U
ACETONE	700	5 U	34 U	5 U	5 U	5 U	5 U
ACROLEIN	10	5 U	34 U	5 U	5 U	5 U	5 U
ACRYLONITRILE	50	1 U	6.9 U	1 U	1 U	1 U	1 U
ALLYL CHLORIDE		1 U	6.9 U	1 U	1 U	1 U	1 U
BENZENE	1	1 U	3.4 J	1 U	1 U	1 U	1 U
BROMOCHLOROMETHANE		1 U	6.9 U	1 U	1 U	1 U	1 U
BROMODICHLOROMETHANE	1	1 U	6.9 U	0.42 J	0.44 J	1 U	0.23 J
BROMOFORM	4	1 U	6.9 U	1 U	1 U	1 U	1 U
BROMOMETHANE	10	1 U	6.9 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	800	1 U	6.9 U	1 U	1 U	1 U	1 U
CARBON TETRACHLORIDE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	50	1 U	6.9 U	1 U	1 U	1 U	1 U
CHLOROETHANE	100	1 U	6.9 U	1 U	1 U	1 U	1 U
CHLOROFORM	6	1 U	6.9 U	3.8	3.7	1 U	1.1
CHLOROMETHANE	30	1 U	6.9 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	10	1 U	6.9 U	1 U	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE	0.2	1 U	6.9 U	1 U	1 U	1 U	1 U
DIBROMOCHLOROMETHANE	10	1 U	6.9 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE		1 U	6.9 U	1 U	1 U	1 U	1 U
DICHLORODIFLUOROMETHANE	1000	1 U	6.9 U	1 U	1 U	1 U	1 U
ETHYL METHACRYLATE		1 U	6.9 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	1 U	6.9	1 U	1 U	1 U	1 U
ISOBUTYL ALCOHOL		50 U	340 U	50 U	50 U	50 U	50 U
ISOPROPYLBENZENE	800	1 U	2.4 J	1 U	1 U	1 U	1 U
METHACRYLONITRILE		1 U	6.9 U	1 U	1 U	1 U	1 U
METHYL METHACRYLATE		1 U	6.9 U	1 U	1 U	1 U	1 U
METHYLENE CHLORIDE	2	1 U	6.9 U	1 U	1 U	1 U	1 U
STYRENE	100	1 U	6.9 U	1 U	1 U	1 U	1 U
T-BUTYL ALCOHOL	100	50 U	1200	50 U	50 U	50 U	50 U
TERT-BUTYL METHYL ETHER	70	1 U	1600 D	0.62 J	0.64 J	1 U	3.1

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW6S	SW7S	SW8S	SW8S	SW9SA	SW10S
Sample ID	Water	SW6S3	SW7S3	SW8S3	SW8S3D	SW9SA3	SW10S3
Lab ID	Quality	590290	590296	590298	590299	590291	590300
Date Sampled	Standard	10/4/2004	10/5/2004	10/5/2004	10/5/2004	10/4/2004	10/5/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
TETRACHLOROETHENE	1	1 U	6.9 U	1 U	1 U	1 U	1 U
TOLUENE	1000	1 U	6.9 U	1 U	1 U	1 U	1 U
TOTAL VOA	500	0 U	2812.7	4.84	4.78	0 U	4.43
TRANS-1,2-DICHLOROETHENE	100	1 U	6.9 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	0.2	1 U	6.9 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	1	1 U	6.9 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE		1 U	6.9 U	1 U	1 U	1 U	1 U
VINYL ACETATE	7000	1 U	6.9 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	5	1 U	6.9 U	1 U	1 U	1 U	1 U
XYLENE (TOTAL)	1000	1 U	6.9 U	1 U	1 U	1 U	1 U
XYLENE (M,P)		1 U	6.9 U	1 U	1 U	1 U	1 U
XYLENE (O)		1 U	6.9 U	1 U	1 U	1 U	1 U

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW10S	SW10S	SW11S	SW11S	SW12S	SW12S	SW13S	SW13S
Sample ID	Water	SW10S4	SW10S4D	SW11S3	SW11S4	SW12S3	SW12S4	SW13S3	SW13S4
Lab ID	Quality	597879	597880	590305	597885	590307	597883	590309	597887
Date Sampled	Standard	11/8/2004	11/8/2004	10/6/2004	11/9/2004	10/6/200	11/9/2004	10/6/2004	11/9/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1,2-TETRACHLOROETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-TRICHLOROETHANE	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-TETRACHLOROETHANE	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	70	1 U	1 U	1 U	1 U	1 U	1 U	0.24 J	1 U
1,1-DICHLOROETHENE	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-TRICHLOROPROPANE	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-TRICHLOROBENZENE	9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DIBROMO-3-CHLOROPROPANE	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DIBROMOETHANE		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROBENZENE	600	1 U	1 U	0.32 J	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHENE (TOTAL)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-DICHLOROBENZENE	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-DICHLOROBENZENE	75	1 U	1 U	0.46 J	1 U	1 U	1 U	1 U	1 U
1,4-DIOXANE		50 U	30 JB	50 U	50 U	50 U	50 U	50 U	50 U
2-BUTANONE	300	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-HEXANONE	100	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-METHYL-2-PENTANONE	400	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ACETONE	700	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ACROLEIN	10	5.2	6.2	5 U	5 U	5 U	5 U	5 U	5 U
ACRYLONITRILE	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ALLYL CHLORIDE		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BENZENE	1	1 U	1 U	1 U	1 U	1 U	1 U	6.3	1 U
BROMOCHLOROMETHANE		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMODICHLOROMETHANE	1	0.26 J	1 U	1 U	1 U	0.3 J	0.36 J	1 U	0.34 J
BROMOFORM	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOMETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	800	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CARBON TETRACHLORIDE	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROFORM	6	1.6	1.3	1 U	1 U	1.9	3	0.87 J	2.1
CHLOROMETHANE	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOCHLOROMETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DICHLORODIFLUOROMETHANE	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYL METHACRYLATE		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	1 U	1 U	1 U	1 U	1 U	1 U	0.22 J	1 U
ISOBUTYL ALCOHOL		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
ISOPROPYLBENZENE	800	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHACRYLONITRILE		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHYL METHACRYLATE		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHYLENE CHLORIDE	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
STYRENE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
T-BUTYL ALCOHOL	100	50 U	50 U	50 U	50 U	50 U	50 U	170	50 U
TERT-BUTYL METHYL ETHER	70	9.4	10	0.29 J	1 U	1 U	1 U	200 D	0.63 J

Table 7
Shoplock Sunoco - Shallow Wells
Volatile Analytical Results
Third and Fouth Rounds

Location ID	Ground	SW10S	SW10S	SW11S	SW11S	SW12S	SW12S	SW13S	SW13S
Sample ID	Water	SW10S4	SW10S4D	SW11S3	SW11S4	SW12S3	SW12S4	SW13S3	SW13S4
Lab ID	Quality	597879	597880	590305	597885	590307	597883	590309	597887
Date Sampled	Standard	11/8/2004	11/8/2004	10/6/2004	11/9/2004	10/6/200	11/9/2004	10/6/2004	11/9/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
TETRACHLOROETHENE	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1000	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U
TOTAL VOA	500	16.46	47.5	17.07	29	2.2	3.36	380.09	3.07
TRANS-1,2-DICHLOROETHENE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	1	1 U	1 U	16	29	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VINYL ACETATE	7000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (TOTAL)	1000	1 U	1 U	1 U	1 U	1 U	1 U	0.34 J	1 U
XYLENE (M,P)		1 U	1 U	1 U	1 U	1 U	1 U	0.32 J	1 U
XYLENE (O)		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 8
Shoplock Sunoco Intermediate Wells
Volatile Analytical Results
Rounds 3 and 4

Location ID	Ground	SW1M	SW2M	SW3M	SW6M	SW7M	SW8M
Sample ID	Water	SW1M3	SW2M3	SW3M3	SW6M3	SW7M3	SW8M3
Lab ID	Quality	589959	590283	590292	590289	590295	590297
Date Sampled	Standard	10/1/2004	10/4/2004	10/4/2004	10/4/2004	10/5/2004	10/5/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1,2-TETRACHLOROETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-TRICHLOROETHANE	30	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-TETRACHLOROETHANE	2	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	3	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	70	1 U	1 U	0.4 J	1 U	0.32 J	1 U
1,1-DICHLOROETHENE	2	1 U	1 U	2.1	1 U	0.52 J	1 U
1,2,3-TRICHLOROPROPANE	2	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-TRICHLOROBENZENE	9	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DIBROMO-3-CHLOROPROPANE	1	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DIBROMOETHANE		1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROBENZENE	600	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	2	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHENE (TOTAL)		1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	1	1 U	1 U	1 U	1 U	1 U	1 U
1,3-DICHLOROBENZENE	600	1 U	1 U	1 U	1 U	1 U	1 U
1,4-DICHLOROBENZENE	75	1 U	1 U	1 U	1 U	1 U	1 U
1,4-DIOXANE		50 U	50 U	50 U	50 U	50 U	50 U
2-BUTANONE	300	5 U	5 U	5 U	5 U	5 U	5 U
2-HEXANONE	100	5 U	5 U	5 U	5 U	5 U	5 U
4-METHYL-2-PENTANONE	400	2.2 J	5 U	5 U	5 U	5 U	5 U
ACETONE	700	5.4	2.4 J	5 U	5 U	4.4 J	5 U
ACROLEIN	10	5 U	5 U	5 U	5 U	5 U	5 U
ACRYLONITRILE	50	1 U	1 U	1 U	1 U	1 U	1 U
ALLYL CHLORIDE		1 U	1 U	1 U	1 U	1 U	1 U
BENZENE	1	0.43 J	0.22 J	0.87 J	1 U	0.67 J	0.27 J
BROMOCHLOROMETHANE		1 U	1 U	1 U	1 U	1 U	1 U
BROMODICHLOROMETHANE	1	1 U	1 U	1 U	1 U	1 U	1 U
BROMOFORM	4	1 U	1 U	1 U	1 U	1 U	1 U
BROMOMETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U
CARBON DISULFIDE	800	1.6	2.6	0.52 J	1 U	0.77 J	1 U
CARBON TETRACHLORIDE	2	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	50	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	100	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROFORM	6	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROMETHANE	30	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	10	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOCHLOROMETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE		1 U	1 U	1 U	1 U	1 U	1 U
DICHLORODIFLUOROMETHANE	1000	1 U	1 U	1 U	1 U	1 U	1 U
ETHYL METHACRYLATE		1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	1 U	1 U	1 U	1 U	0.22 J	0.31 J
ISOBUTYL ALCOHOL		50 U	50 U	50 U	50 U	50 U	50 U
ISOPROPYLBENZENE	800	1 U	1 U	1 U	1 U	1 U	1 U
METHACRYLONITRILE		1 U	1 U	1 U	1 U	1 U	1 U
METHYL METHACRYLATE		1 U	1 U	1 U	1 U	1 U	1 U
METHYLENE CHLORIDE	2	1 U	1 U	1 U	1 U	1 U	1 U
STYRENE	100	1 U	1 U	1 U	1 U	1 U	1 U
T-BUTYL ALCOHOL	100	50 U	50 U	21 J	50 U	50 U	31 J
TERT-BUTYL METHYL ETHER	70	2.6	0.67 J	22	1 U	41	130 D

Table 8
Shoplock Sunoco Intermediate Wells
Volatile Analytical Results
Rounds 3 and 4

Location ID	Ground	SW1M	SW2M	SW3M	SW6M	SW7M	SW8M
Sample ID	Water	SW1M3	SW2M3	SW3M3	SW6M3	SW7M3	SW8M3
Lab ID	Quality	589959	590283	590292	590289	590295	590297
Date Sampled	Standard	10/1/2004	10/4/2004	10/4/2004	10/4/2004	10/5/2004	10/5/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
TETRACHLOROETHENE	1	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1000	0.48 J	0.51 J	0.36 J	1 U	0.49 J	1 U
TOTAL VOA	500	12.71	6.4	47.25	0 U	48.39	161.58
TRANS-1,2-DICHLOROETHENE	100	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	1	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE		1 U	1 U	1 U	1 U	1 U	1 U
VINYL ACETATE	7000	1 U	1 U	1 U	1 U	1 U	1 U
VINYL CHLORIDE	5	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (TOTAL)	1000	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (M,P)		1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (O)		1 U	1 U	1 U	1 U	1 U	1 U

Table 8
Shoplock Sunoco Intermediate Wells
Volatile Analytical Results
Rounds 3 and 4

Location ID	Ground	SW10M	SW10M	SW11M	SW11M	SW12M	SW12M	SW13M
Sample ID	Water	SW10M3	SW10M4	SW11M3	SW11M4	SW12M3	SW12M4	SW13M3
Lab ID	Quality	590301	597878	590306	597886	590308	597882	590310
Date Sampled	Standard	10/5/2004	11/8/2004	10/6/2004	11/9/2004	10/6/2004	11/9/2004	10/6/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1,2-TETRACHLOROETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,1,1-TRICHLOROETHANE	30	0.27 J	0.5 J	1 U	1 U	1 U	1 U	7.3 U
1,1,2,2-TETRACHLOROETHANE	2	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,1,2-TRICHLOROETHANE	3	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,1-DICHLOROETHANE	70	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,1-DICHLOROETHENE	2	1 U	0.22 J	1 U	1 U	1 U	1 U	7.3 U
1,2,3-TRICHLOROPROPANE	2	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,2,4-TRICHLOROBENZENE	9	0.22 JB	1 U	1 U	1 U	1 U	1 U	7.3 U
1,2-DIBROMO-3-CHLOROPROPANE	1	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,2-DIBROMOETHANE		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,2-DICHLOROBENZENE	600	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,2-DICHLOROETHANE	2	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,2-DICHLOROETHENE (TOTAL)		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,2-DICHLOROPROPANE	1	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,3-DICHLOROBENZENE	600	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,4-DICHLOROBENZENE	75	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
1,4-DIOXANE		50 U	26 JB	50 U	50 U	50 U	50 U	360 U
2-BUTANONE	300	5 U	5 U	5 U	5 U	5 U	5 U	36 U
2-HEXANONE	100	5 U	5 U	5 U	5 U	5 U	5 U	36 U
4-METHYL-2-PENTANONE	400	5 U	5 U	5 U	5 U	5 U	5 U	36 U
ACETONE	700	5 U	5 U	2.1 J	4 J	2 J	5 U	16 J
ACROLEIN	10	5 U	5 U	5 U	5 U	5 U	5 U	36 U
ACRYLONITRILE	50	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
ALLYL CHLORIDE		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
BENZENE	1	1 U	0.46 J	1 U	1 U	1 U	1 U	2 J
BROMOCHLOROMETHANE		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
BROMODICHLOROMETHANE	1	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
BROMOFORM	4	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
BROMOMETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
CARBON DISULFIDE	800	1 U	1 U	1 U	0.24 J	1 U	1 U	7.3 U
CARBON TETRACHLORIDE	2	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
CHLOROBENZENE	50	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
CHLOROETHANE	100	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
CHLOROFORM	6	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
CHLOROMETHANE	30	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
CIS-1,2-DICHLOROETHENE	10	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
CIS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
DIBROMOCHLOROMETHANE	10	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
DIBROMOMETHANE		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
DICHLORODIFLUOROMETHANE	1000	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
ETHYL METHACRYLATE		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
ETHYLBENZENE	700	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
ISOBUTYL ALCOHOL		50 U	50 U	50 U	50 U	50 U	50 U	360 U
ISOPROPYLBENZENE	800	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
METHACRYLONITRILE		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
METHYL METHACRYLATE		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
METHYLENE CHLORIDE	2	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
STYRENE	100	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
T-BUTYL ALCOHOL	100	50 U	50 U	50 U	50 U	50 U	50 U	1900
TERT-BUTYL METHYL ETHER	70	16	25	1 U	1 U	1 U	0.26 J	2200 D

Table 8
Shoplock Sunoco Intermediate Wells
Volatile Analytical Results
Rounds 3 and 4

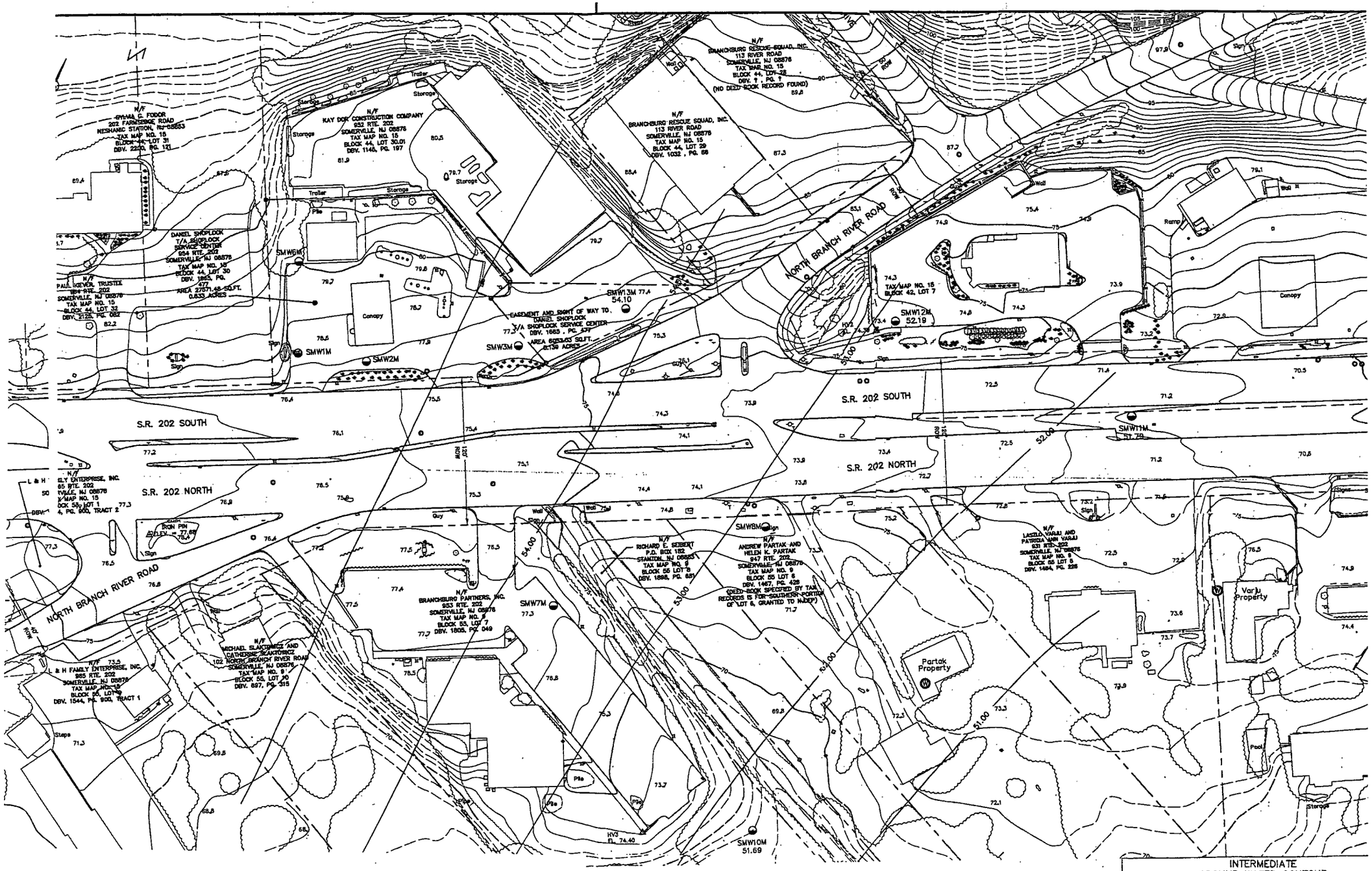
Location ID	Ground	SW10M	SW10M	SW11M	SW11M	SW12M	SW12M	SW13M
Sample ID	Water	SW10M3	SW10M4	SW11M3	SW11M4	SW12M3	SW12M4	SW13M3
Lab ID	Quality	590301	597878	590306	597886	590308	597882	590310
Date Sampled	Standard	10/5/2004	11/8/2004	10/6/2004	11/9/2004	10/6/2004	11/9/2004	10/6/2004
Units	(ug/l)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
TETRACHLOROETHENE	1	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
TOLUENE	1000	1 U	1 U	1 U	1 U	0.3 J	1 U	7.3 U
TOTAL VOA	500	16.49	52.18	5.4	5.64	2.3	0.26	4118
TRANS-1,2-DICHLOROETHENE	100	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
TRANS-1,3-DICHLOROPROPENE	0.2	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
TRICHLOROETHENE	1	1 U	1 U	3.3	1.4	1 U	1 U	7.3 U
TRICHLOROFLUOROMETHANE		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
VINYL ACETATE	7000	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
VINYL CHLORIDE	5	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
XYLENE (TOTAL)	1000	1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
XYLENE (M,P)		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U
XYLENE (O)		1 U	1 U	1 U	1 U	1 U	1 U	7.3 U

Table 8
Shoplock Sunoco Intermediate Wells
Volatile Analytical Results
Rounds 3 and 4

Location ID	Ground	SW13M		PARTW		VARJW	
Sample ID	Water	SW13M4		PARTW3		VARJW3	
Lab ID	Quality	597888		590302		590303	
Date Sampled	Standard	11/9/2004		10/5/2004		10/6/2004	
Units	(ug/l)	ug/l		ug/l		ug/l	
1,1,1,2-TETRACHLOROETHANE	10	8	U	1	U	1	U
1,1,1-TRICHLOROETHANE	30	8	U	1	U	1	U
1,1,2,2-TETRACHLOROETHANE	2	8	U	1	U	1	U
1,1,2-TRICHLOROETHANE	3	8	U	1	U	1	U
1,1-DICHLOROETHANE	70	8	U	1	U	1	U
1,1-DICHLOROETHENE	2	8	U	1	U	1	U
1,2,3-TRICHLOROPROPANE	2	8	U	1	U	1	U
1,2,4-TRICHLOROBENZENE	9	8	U	1	U	1	U
1,2-DIBROMO-3-CHLOROPROPANE	1	8	U	1	U	1	U
1,2-DIBROMOETHANE		8	U	1	U	1	U
1,2-DICHLOROBENZENE	600	8	U	1	U	1	U
1,2-DICHLOROETHANE	2	8	U	1	U	1	U
1,2-DICHLOROETHENE (TOTAL)		8	U	1	U	1	U
1,2-DICHLOROPROPANE	1	8	U	1	U	1	U
1,3-DICHLOROBENZENE	600	8	U	1	U	1	U
1,4-DICHLOROBENZENE	75	8	U	1	U	1	U
1,4-DIOXANE		400	U	50	U	50	U
2-BUTANONE	300	40	U	5	U	5	U
2-HEXANONE	100	40	U	5	U	5	U
4-METHYL-2-PENTANONE	400	40	U	5	U	5	U
ACETONE	700	40	U	5	U	5	U
ACROLEIN	10	40	U	5	U	5	U
ACRYLONITRILE	50	8	U	1	U	1	U
ALLYL CHLORIDE		8	U	1	U	1	U
BENZENE	1	7.1	J	1	U	1	U
BROMOCHLOROMETHANE		8	U	1	U	1	U
BROMODICHLOROMETHANE	1	8	U	1	U	1	U
BROMOFORM	4	8	U	1	U	1	U
BROMOMETHANE	10	8	U	1	U	1	U
CARBON DISULFIDE	800	8	U	1	U	1	U
CARBON TETRACHLORIDE	2	8	U	1	U	1	U
CHLOROBENZENE	50	8	U	1	U	1	U
CHLOROETHANE	100	8	U	1	U	1	U
CHLOROFORM	6	8	U	0.59	J	0.2	J
CHLOROMETHANE	30	8	U	1	U	1	U
CIS-1,2-DICHLOROETHENE	10	8	U	1	U	1	U
CIS-1,3-DICHLOROPROPENE	0.2	8	U	1	U	1	U
DIBROMOCHLOROMETHANE	10	8	U	1	U	1	U
DIBROMOMETHANE		8	U	1	U	1	U
DICHLORODIFLUOROMETHANE	1000	8	U	1	U	1	U
ETHYL METHACRYLATE		8	U	1	U	1	U
ETHYLBENZENE	700	8	U	1	U	1	U
ISOBUTYL ALCOHOL		400	U	50	U	50	U
ISOPROPYLBENZENE	800	8	U	1	U	1	U
METHACRYLONITRILE		8	U	1	U	1	U
METHYL METHACRYLATE		8	U	1	U	1	U
METHYLENE CHLORIDE	2	8	U	1	U	1	U
STYRENE	100	8	U	1	U	1	U
T-BUTYL ALCOHOL	100	1800	B	50	U	50	U
TERT-BUTYL METHYL ETHER	70	2000	D	52	E	1	U

Table 8
Shoplock Sunoco Intermediate Wells
Volatile Analytical Results
Rounds 3 and 4

Location ID	Ground	SW13M	PARTW	VARJW
Sample ID	Water	SW13M4	PARTW3	VARJW3
Lab ID	Quality	597888	590302	590303
Date Sampled	Standard	11/9/2004	10/5/2004	10/6/2004
Units	(ug/l)	ug/l	ug/l	ug/l
TETRACHLOROETHENE	1	8 U	1 U	1 U
TOLUENE	1000	8 U	1 U	1 U
TOTAL VOA	500	2007.1	53.59	110.2
TRANS-1,2-DICHLOROETHENE	100	8 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	0.2	8 U	1 U	1 U
TRICHLOROETHENE	1	8 U	1	110 D
TRICHLOROFLUOROMETHANE		8 U	1 U	1 U
VINYL ACETATE	7000	8 U	1 U	1 U
VINYL CHLORIDE	5	8 U	1 U	1 U
XYLENE (TOTAL)	1000	8 U	1 U	1 U
XYLENE (M,P)		8 U	1 U	1 U
XYLENE (O)		8 U	1 U	1 U



INTERMEDIATE
GROUND WATER CONTOUR
MAP
11/08/94

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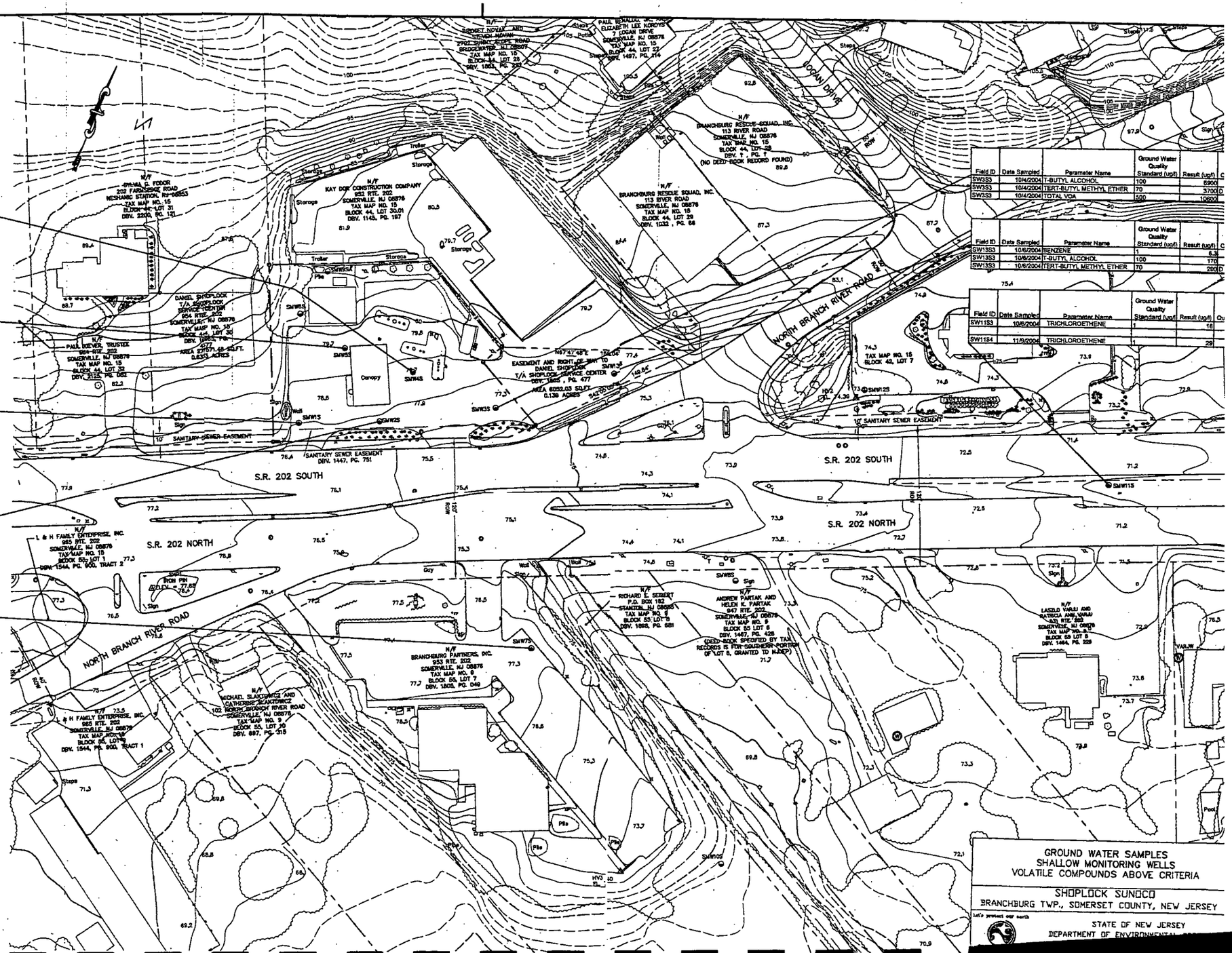
Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)	Qual
SW4S3	10/4/2004	1,1-DICHLOROETHENE	2	7.9	
SW4S3	10/4/2004	BENZENE	1	4.6	
SW4S3	10/4/2004	T-BUTYL ALCOHOL	100	1700	
SW4S3	10/4/2004	TERT-BUTYL METHYL ETHER	70	850	D
SW4S3	10/4/2004	TOTAL VOA	500	2569.46	

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)	Qual
SW5S3	10/4/2004	1,1-DICHLOROETHENE	2	7	

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)	Qual
SW1S3	10/1/2004	1,1-DICHLOROETHENE	2	2.9	
SW1S3D	10/1/2004	1,1-DICHLOROETHENE	2	2.9	
SW1S3D	10/1/2004	TRICHLOROETHENE	1	1.1	

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)	Qual
SW2S3	10/4/2004	BENZENE	1	180	
SW2S3	10/4/2004	T-BUTYL ALCOHOL	100	1400	
SW2S3	10/4/2004	TERT-BUTYL METHYL ETHER	70	2000	D
SW2S3	10/4/2004	TOTAL VOA	500	4502.1	

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)	Qual
SW7S3	10/5/2004	BENZENE	1	3.4	J
SW7S3	10/5/2004	T-BUTYL ALCOHOL	100	1200	
SW7S3	10/5/2004	TERT-BUTYL METHYL ETHER	70	1600	D
SW7S3	10/5/2004	TOTAL VOA	500	2812.7	



Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)	Qual
SW3S3	10/4/2004	T-BUTYL ALCOHOL	100	6900	
SW3S3	10/4/2004	TERT-BUTYL METHYL ETHER	70	3700	D
SW3S3	10/4/2004	TOTAL VOA	500	10600	

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)	Qual
SW13S3	10/6/2004	BENZENE	1	6.3	
SW13S3	10/6/2004	T-BUTYL ALCOHOL	100	170	
SW13S3	10/6/2004	TERT-BUTYL METHYL ETHER	70	200	D

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)	Qual
SW11S3	10/6/2004	TRICHLOROETHENE	1	16	
SW11S4	11/9/2004	TRICHLOROETHENE	1	29	

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

LEGEND

- MONITORING WELL LOCATION WITH RESULTS ABOVE CRITERIA
- MONITORING WELL LOCATION WITH NO RESULTS ABOVE CRITERIA
- PROPERTY LINE

GROUND WATER SAMPLES
SHALLOW MONITORING WELLS
VOLATILE COMPOUNDS ABOVE CRITERIA

SHOPLOCK SUNOCO
BRANCHBURG TWP., SOMERSET COUNTY, NEW JERSEY

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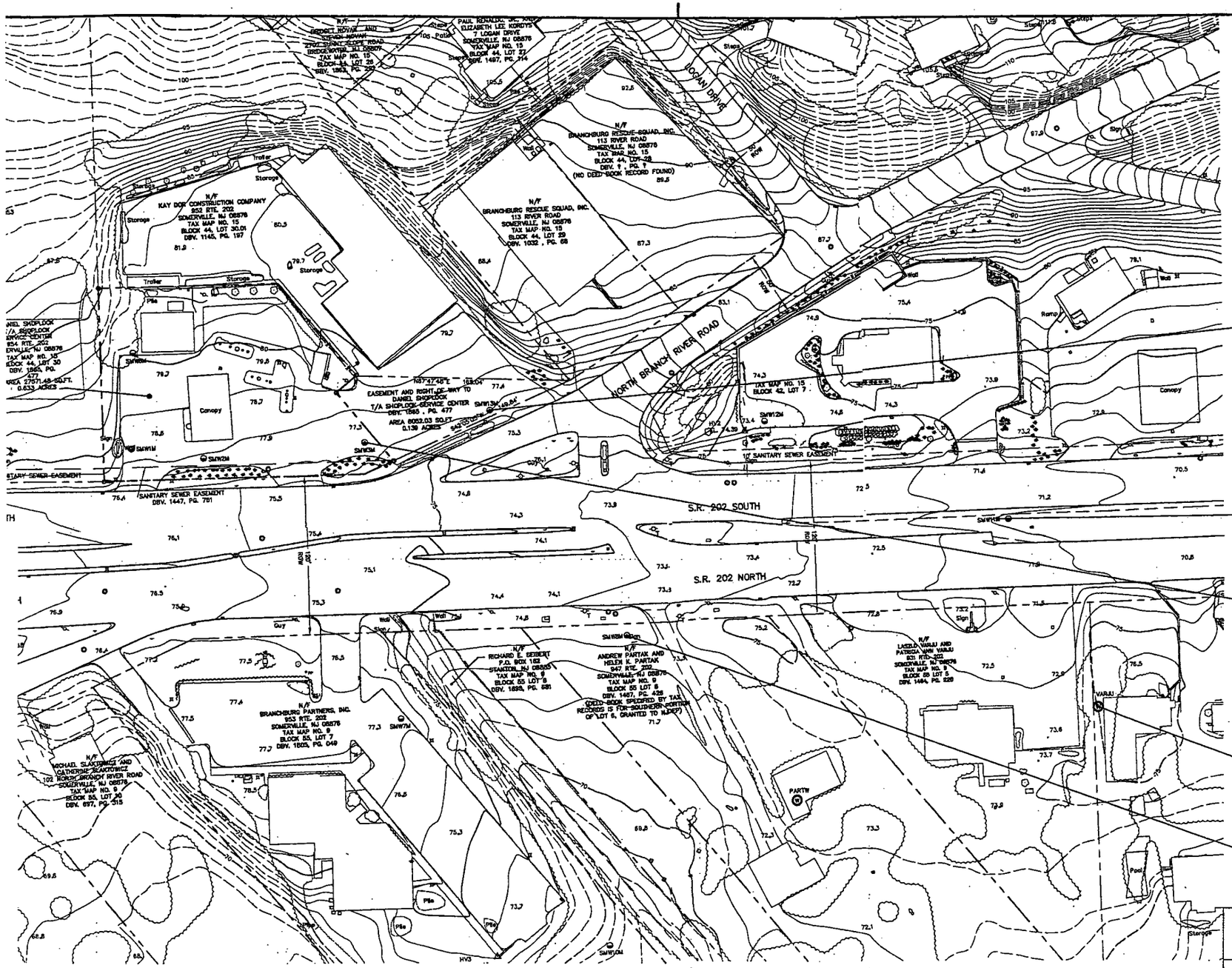

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)
SW13M3	10/6/2004	BENZENE	1	2
SW13M3	10/6/2004	T-BUTYL ALCOHOL	100	1900
SW13M3	10/6/2004	TERT-BUTYL METHYL ETHER	70	2200
SW13M3	10/6/2004	TOTAL VOA	500	4118
SW13M4	11/9/2004	BENZENE	1	7.1
SW13M4	11/9/2004	TERT-BUTYL METHYL ETHER	70	2000
SW13M4	11/9/2004	T-BUTYL ALCOHOL	100	1800
SW13M4	11/9/2004	TOTAL VOA	500	2007

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)
SW11M3	10/6/2004	TRICHLOROETHENE	1	3
SW11M4	11/9/2004	TRICHLOROETHENE	1	1

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)
SW3M3	10/4/2004	1,1-DICHLOROETHENE	2	2

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)
VARJW3	10/6/2004	TRICHLOROETHENE	1	1

Field ID	Date Sampled	Parameter Name	Ground Water Quality Standard (ug/l)	Result (ug/l)
SW8M3	10/5/2004	TERT-BUTYL METHYL ETHER	70	1

GROUND WATER SAMPLES
INTERMEDIATE MONITORING WELLS
VOLATILE COMPOUNDS ABOVE CRITERIA

SHOPLOCK SUNOCO
BRANCHBURG TWP., SOMERSET COUNTY, NEW JERSE

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STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTEC
REMEDIATION MANAGEMENT & RESPONSE DI

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GRAPHIC SCALE

LEGEND

MONITORING WELL LOCATION WITH RESULTS ABOVE CRITERIA

MONITORING WELL LOCATION WITH NO RESULTS ABOVE CRITERIA

FORMER POTABLE WELL LOCATION WITH [redacted] ABOVE C[redacted]

FORMER POTABLE WELL LOCATION WITH NO [redacted] ABOVE [redacted]

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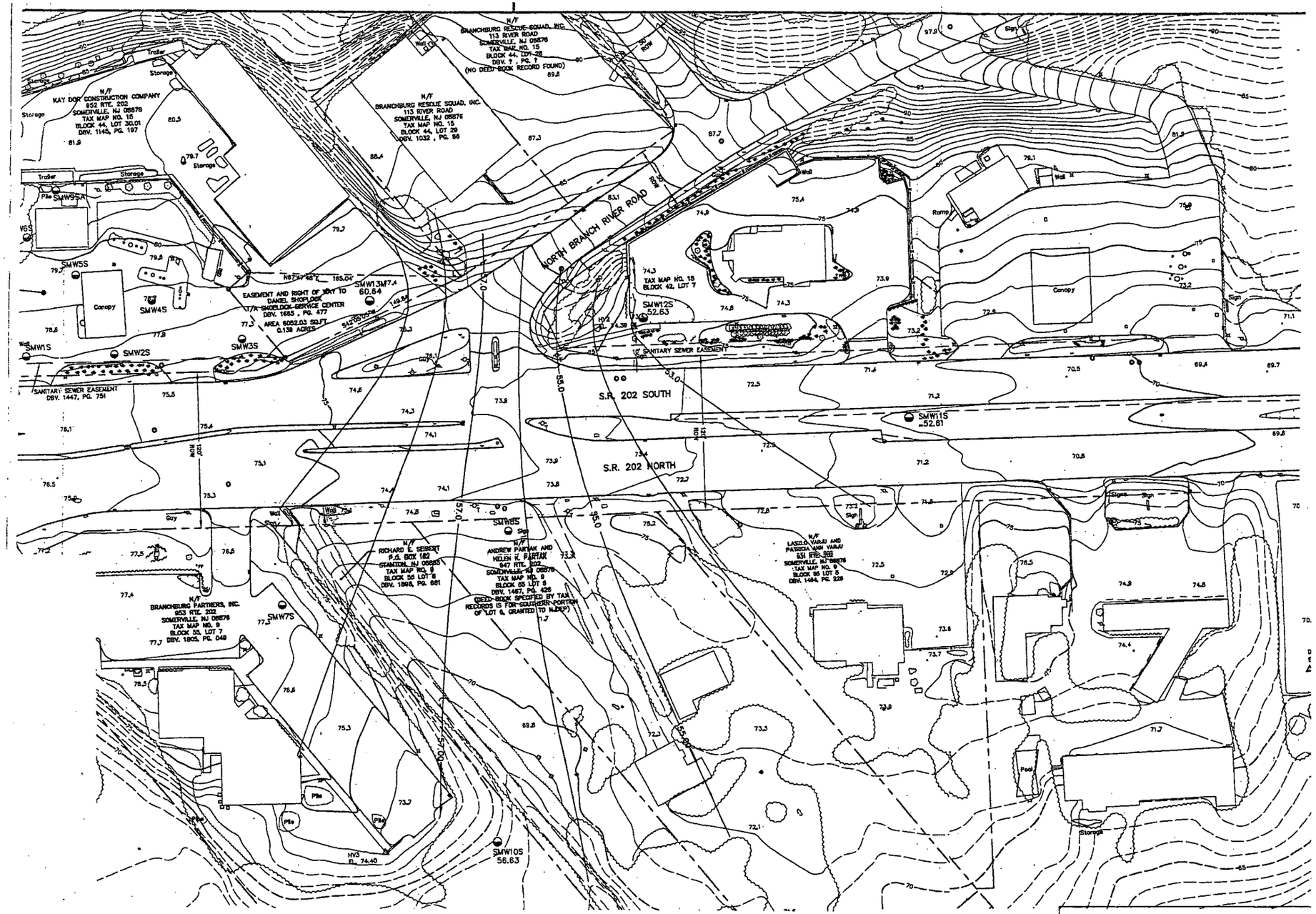

SHALLOW GROUND WATER CONTOUR MAP.
11/08/04

SHOPLOCK SUNOCO
BRANCHBURG TWP., SOMERSET COUNTY, NEW JER

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STATE OF NEW JERSEY
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LEGEND