



October 21, 2006

Lennar Charleston  
1941 Savage Road, Suite 100-C  
Charleston, SC 29407

Attn: Mr. Mac Smith

Re: Indoor Air Sampling  
Single Family Residences

[REDACTED]  
Wescott Plantation, Pebble Creek Village  
Summerville, SC  
PSI Report No.: 465-60026-2

Mr. Smith:

As requested a PSI representative was on site, on October 11, 2006 at the above referenced properties to sample indoor air for further analysis. The air samples were collected using vacuum air canisters calibrated for an 8 hour sampling event. As requested by the homeowner and a Lennar representative, samples were collected at the kitchen and the first floor powder room at each of the two homes. The canisters were sent to Data Chem Laboratories, Inc. in Cincinnati, OH, for laboratory analysis according to EPA Method TO-15 for the presence of Volatile Organic Compounds (VOC's). In addition, analyses for Methane, Hydrogen Sulfide (H<sub>2</sub>S) and Carbon Monoxide (CO) were also performed. Results of the lab analyses are enclosed.

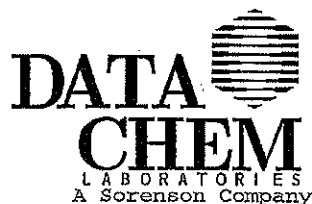
Thank you for the opportunity to provide you with our services. Please contact our office if you have any questions.

Respectfully Submitted,  
Professional Service Industries, Inc.

Robert V. Knowles  
Vice-President

Keith A. Ingram, P.E.  
Branch Manager

Attachment: Data Chem Report (pages 25 of 25)



## COVER PAGE

ANALYTICAL REPORT FOR  
PSI

Phone (843) 225-4774

Form COVER-V1.4  
10190615231405  
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G069J00C

DCL Report Group... 06I-5529-04

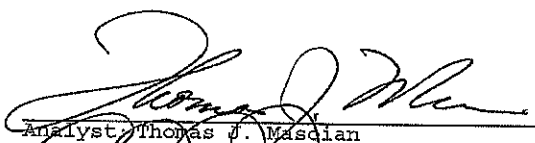
Date Printed..... 19-OCT-06 15:23


Project Protocol #: P021C001  
Client Ref Number.: 965-60026  
Release Number..... 965-60026

Analysis Method(s): TO-15

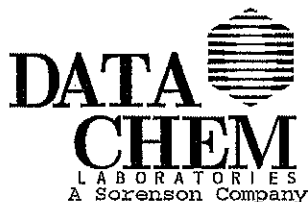
PSI  
Attention: Bob Knowles  
1023 Wappoo Road, Ste A19  
Charleston, NC 29407

<u>Client Sample Name</u>	<u>Laboratory Sample Name</u>	<u>Date Sampled</u>	<u>Date Received</u>
[REDACTED] KIT	06I41176	11-OCT-06	16-OCT-06
[REDACTED] BATH	06I41177	11-OCT-06	16-OCT-06
[REDACTED] KIT	06I41178	11-OCT-06	16-OCT-06
[REDACTED] BATH	06I41179	11-OCT-06	16-OCT-06
Method Blank	BL-251970-1	NA	NA
LCS	QC-251970-1	NA	NA
LCS Dup	QD-251970-1	NA	NA

  
Analyst: Thomas J. Masdian  
Date: 10.19.06

  
Reviewer: Christopher Q. Coleman  
Date: 10.19.06

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FORM H (TYPE I)  
SINGLE METHOD ANALYSES

Form RLIMS63H-V1.4  
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SAMPLE GROUP COMMENTS



DCL Report Group...: 06I-5529-04  
Date Printed.....: 19-OCT-06 15:23

Client Name....: PSI

Release Number....: 965-60026

Sample Group Comments

Analyzed by GC/MS according to method T015.

PQL - Practical Quantitation Limit - Lowest standard that is detectable.

MDL - Method Detection Limit - Statistically derived value using 40 CFR methods.

µg/m<sup>3</sup> formula: (Result \* MW) / 24.45

The "E" qualifier indicates a reported value above the analytical linear range.

General Information

The DCL QC Database maintains all numerical figures which are input from the pertinent data source. These data have not been rounded to significant figures nor have they been moisture corrected. Reports generated from the system, however, list data which have been rounded to the number of significant figures requested by the client or deemed appropriate for the method. This may create minor discrepancies between data which appear on the QC Summary Forms (Forms B-G) and those that would be calculated from rounded analytical results. Additionally, if a moisture correction is performed, differences will be observed between the QC data and the surrogate data reported on Form A (or other report forms) and corresponding data reported on QC Summary Forms. In these cases, the Form A will indicate the "Report Basis" as well as the moisture value used for making the correction.

Report generation options: IBX

Result Symbol Definitions

- ND - Not Detected above the MDL (LLD or MDC for radiochemistry).
- \*\* - No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

- U - Not Detected above the MDL (LLD or MDC for radiochemistry).
- B - For organic analyses the qualifier indicates that this analyte was found in the method blank. For inorganic analyses the qualifier signifies the value is between the MDL and PQL.
- J - For organic analyses the qualifier indicates that the value is between the MDL and the PQL. It is also used for indicating an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

QC Flag Symbol Definitions

- \* - Parameter outside of specified QC limits.

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FORM A (TYPE I)  
SINGLE METHOD ANALYSES

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SAMPLE ANALYSIS DATA SHEET



S069J010

Date Printed.....: 19-OCT-06 15:23

Client Sample Name: [REDACTED]

Client Name.....: PSI

DCL Sample Name....: 06I41176

Client Ref Number.....: 965-60026

DCL Report Group...: 06I-5529-04

Sampling Site.....: Not Provided

Matrix.....: AIR

Release Number.....: 965-60026

Date Sampled.....: 11-OCT-06 00:00

Date Received.....: 16-OCT-06 00:00

Reporting Units....: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable

DCL Analysis Group: G069L00R

Date Prepared.....: Not Applicable

Analysis Method....: TO-15

Preparation Method....: Not Applicable

Instrument Type....: GC/MS VO

Aliquot Weight/Volume: 200 mL

Instrument ID.....: 5972-0

Net Weight/Volume.....: Not Required

Column Type.....: DB-1

☒ Primary

☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Propene	17-OCT-06 14:21	0.180	10.	ppb v/v		1	0.5
Propene	17-OCT-06 14:21	0.31	17.	µg/m³		1	0.86
Dichlorodifluoromethane	17-OCT-06 14:21	0.0669	0.47	ppb v/v	J	1	0.5
Dichlorodifluoromethane	17-OCT-06 14:21	0.33	2.3	µg/m³	J	1	2.5
Chloromethane	17-OCT-06 14:21	0.249	1.1	ppb v/v		1	0.5
Chloromethane	17-OCT-06 14:21	0.51	2.3	µg/m³		1	1.0
Freon 114	17-OCT-06 14:21	0.156	ND	ppb v/v		1	0.5
Freon 114	17-OCT-06 14:21	1.1	ND	µg/m³		1	3.5
Vinyl Chloride	17-OCT-06 14:21	0.301	ND	ppb v/v		1	0.5
Vinyl Chloride	17-OCT-06 14:21	0.77	ND	µg/m³		1	1.3
1,3-Butadiene	17-OCT-06 14:21	0.346	ND	ppb v/v		1	0.5
1,3-Butadiene	17-OCT-06 14:21	0.77	ND	µg/m³		1	1.1
Bromomethane	17-OCT-06 14:21	0.215	0.41	ppb v/v	J	1	0.5
Bromomethane	17-OCT-06 14:21	0.83	1.6	µg/m³	J	1	1.9
Chloroethane	17-OCT-06 14:21	0.388	ND	ppb v/v		1	0.5
Chloroethane	17-OCT-06 14:21	1.0	ND	µg/m³		1	1.3
Freon 11	17-OCT-06 14:21	0.0921	0.22	ppb v/v	J	1	0.5
Freon 11	17-OCT-06 14:21	0.52	1.2	µg/m³	J	1	2.8
cis-1,2-Dichloroethene	17-OCT-06 14:21	0.102	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	17-OCT-06 14:21	0.40	ND	µg/m³		1	2.0
Carbon Disulfide	17-OCT-06 14:21	0.111	2.0	ppb v/v		1	0.5
Carbon Disulfide	17-OCT-06 14:21	0.35	6.1	µg/m³		1	1.6
Freon 113	17-OCT-06 14:21	0.0950	ND	ppb v/v		1	0.5
Freon 113	17-OCT-06 14:21	0.73	ND	µg/m³		1	3.8
Acetone	17-OCT-06 14:21	0.113	9.7	ppb v/v		1	0.5
Acetone	17-OCT-06 14:21	0.27	23.	µg/m³		1	1.2
Methylene Chloride	17-OCT-06 14:21	0.168	ND	ppb v/v		1	0.5
Methylene Chloride	17-OCT-06 14:21	0.58	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	17-OCT-06 14:21	0.118	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	17-OCT-06 14:21	0.47	ND	µg/m³		1	2.0
1,1-Dichloroethane	17-OCT-06 14:21	0.116	ND	ppb v/v		1	0.5
1,1-Dichloroethane	17-OCT-06 14:21	0.47	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	17-OCT-06 14:21	0.147	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	17-OCT-06 14:21	0.53	ND	µg/m³		1	1.8
Vinyl Acetate	17-OCT-06 14:21	0.133	ND	ppb v/v		1	0.5
Vinyl Acetate	17-OCT-06 14:21	0.47	ND	µg/m³		1	1.8
1,1-Dichloroethene	17-OCT-06 14:21	0.109	ND	ppb v/v		1	0.5
1,1-Dichloroethene	17-OCT-06 14:21	0.43	ND	µg/m³		1	2.0
2-Butanone	17-OCT-06 14:21	0.182	3.2	ppb v/v		1	0.5
2-Butanone	17-OCT-06 14:21	0.54	9.4	µg/m³		1	1.5
Ethyl Acetate	17-OCT-06 14:21	0.273	12.	ppb v/v		1	0.5

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FORM A (TYPE I)  
SINGLE METHOD ANALYSES

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SAMPLE ANALYSIS DATA SHEET



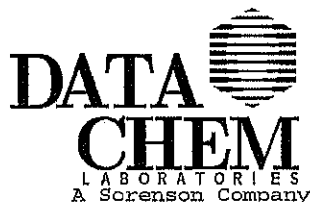
Date Printed.....: 19-OCT-06 15:23  
Client Name.....: PSI

DCL Sample Name....: 06I41176  
DCL Report Group...: 06I-5529-04

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	17-OCT-06 14:21	0.98	42.	ug/m <sup>3</sup>		1	1.8
Hexane	17-OCT-06 14:21	0.121	2.5	ppb v/v		1	0.5
Hexane	17-OCT-06 14:21	0.43	8.8	ug/m <sup>3</sup>		1	1.8
Chloroform	17-OCT-06 14:21	0.115	ND	ppb v/v		1	0.5
Chloroform	17-OCT-06 14:21	0.56	ND	ug/m <sup>3</sup>		1	2.4
1,1,1-Trichloroethane	17-OCT-06 14:21	0.0725	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	17-OCT-06 14:21	0.40	ND	ug/m <sup>3</sup>		1	2.7
Carbon Tetrachloride	17-OCT-06 14:21	0.0657	ND	ppb v/v		1	0.5
Carbon Tetrachloride	17-OCT-06 14:21	0.41	ND	ug/m <sup>3</sup>		1	3.1
Benzene	17-OCT-06 14:21	0.102	2.3	ppb v/v		1	0.5
Benzene	17-OCT-06 14:21	0.33	7.3	ug/m <sup>3</sup>		1	1.6
Tetrahydrofuran	17-OCT-06 14:21	0.227	3.0	ppb v/v		1	0.5
Tetrahydrofuran	17-OCT-06 14:21	0.67	8.8	ug/m <sup>3</sup>		1	1.5
1,2-Dichloroethane	17-OCT-06 14:21	0.153	ND	ppb v/v		1	0.5
1,2-Dichloroethane	17-OCT-06 14:21	0.62	ND	ug/m <sup>3</sup>		1	2.0
Cyclohexane	17-OCT-06 14:21	0.120	ND	ppb v/v		1	0.5
Cyclohexane	17-OCT-06 14:21	0.41	ND	ug/m <sup>3</sup>		1	1.7
Trichloroethene	17-OCT-06 14:21	0.120	ND	ppb v/v		1	0.5
Trichloroethene	17-OCT-06 14:21	0.64	ND	ug/m <sup>3</sup>		1	2.7
1,2-Dichloropropane	17-OCT-06 14:21	0.123	ND	ppb v/v		1	0.5
1,2-Dichloropropane	17-OCT-06 14:21	0.57	ND	ug/m <sup>3</sup>		1	2.3
Bromodichloromethane	17-OCT-06 14:21	0.0779	ND	ppb v/v		1	0.5
Bromodichloromethane	17-OCT-06 14:21	0.52	ND	ug/m <sup>3</sup>		1	3.3
Heptane	17-OCT-06 14:21	0.101	1.3	ppb v/v		1	0.5
Heptane	17-OCT-06 14:21	0.41	5.3	ug/m <sup>3</sup>		1	2.0
cis-1,3-Dichloropropene	17-OCT-06 14:21	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	17-OCT-06 14:21	0.48	ND	ug/m <sup>3</sup>		1	2.3
4-Methyl-2-Pentanone	17-OCT-06 14:21	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	17-OCT-06 14:21	0.48	ND	ug/m <sup>3</sup>		1	2.0
Toluene	17-OCT-06 14:21	0.115	17.	ppb v/v		1	0.5
Toluene	17-OCT-06 14:21	0.43	64.	ug/m <sup>3</sup>		1	1.9
trans-1,3-Dichloropropene	17-OCT-06 14:21	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	17-OCT-06 14:21	0.59	ND	ug/m <sup>3</sup>		1	2.3
1,1,2-Trichloroethane	17-OCT-06 14:21	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	17-OCT-06 14:21	0.53	ND	ug/m <sup>3</sup>		1	2.7
Tetrachloroethene	17-OCT-06 14:21	0.0847	ND	ppb v/v		1	0.5
Tetrachloroethene	17-OCT-06 14:21	0.57	ND	ug/m <sup>3</sup>		1	3.4
2-Hexanone	17-OCT-06 14:21	0.136	ND	ppb v/v		1	0.5
2-Hexanone	17-OCT-06 14:21	0.56	ND	ug/m <sup>3</sup>		1	2.0
Dibromochloromethane	17-OCT-06 14:21	0.0792	ND	ppb v/v		1	0.5
Dibromochloromethane	17-OCT-06 14:21	0.67	ND	ug/m <sup>3</sup>		1	4.2
1,2-Dibromoethane	17-OCT-06 14:21	0.119	ND	ppb v/v		1	0.5
1,2-Dibromoethane	17-OCT-06 14:21	0.91	ND	ug/m <sup>3</sup>		1	3.8
Chlorobenzene	17-OCT-06 14:21	0.0882	ND	ppb v/v		1	0.5
Chlorobenzene	17-OCT-06 14:21	0.41	ND	ug/m <sup>3</sup>		1	2.3
Ethylbenzene	17-OCT-06 14:21	0.150	1.7	ppb v/v		1	0.5
Ethylbenzene	17-OCT-06 14:21	0.65	7.5	ug/m <sup>3</sup>		1	2.2
m,p-Xylene	17-OCT-06 14:21	0.213	6.2	ppb v/v		1	1.0
m,p-Xylene	17-OCT-06 14:21	0.92	27.	ug/m <sup>3</sup>		1	4.3
o-Xylene	17-OCT-06 14:21	0.113	1.9	ppb v/v		1	0.5
o-Xylene	17-OCT-06 14:21	0.49	8.2	ug/m <sup>3</sup>		1	2.2
Styrene	17-OCT-06 14:21	0.0748	0.75	ppb v/v		1	0.5
Styrene	17-OCT-06 14:21	0.32	3.2	ug/m <sup>3</sup>		1	2.1
Bromoform	17-OCT-06 14:21	0.0884	0.39	ppb v/v	J	1	0.5
Bromoform	17-OCT-06 14:21	0.90	4.0	ug/m <sup>3</sup>	J	1	5.1
1,1,2,2-Tetrachloroethane	17-OCT-06 14:21	0.108	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	17-OCT-06 14:21	0.74	ND	ug/m <sup>3</sup>		1	3.4
Benzyl Chloride	17-OCT-06 14:21	0.136	ND	ppb v/v		1	0.5

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FORM A (TYPE I)  
SINGLE METHOD ANALYSES

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SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 19-OCT-06 15:23  
Client Name.....: PSI

DCL Sample Name....: 06I41176  
DCL Report Group...: 06I-5529-04

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	17-OCT-06 14:21	0.70	ND	µg/m <sup>3</sup>		1	2.6
4-Ethyl toluene	17-OCT-06 14:21	0.0983	0.54	ppb v/v		1	0.5
4-Ethyl toluene	17-OCT-06 14:21	0.48	2.6	µg/m <sup>3</sup>		1	2.5
1,3,5-Trimethylbenzene	17-OCT-06 14:21	0.112	0.42	ppb v/v	J	1	0.5
1,3,5-Trimethylbenzene	17-OCT-06 14:21	0.55	2.1	µg/m <sup>3</sup>	J	1	2.5
1,2,4-Trimethylbenzene	17-OCT-06 14:21	0.117	1.8	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	17-OCT-06 14:21	0.58	8.8	µg/m <sup>3</sup>		1	2.5
1,3-Dichlorobenzene	17-OCT-06 14:21	0.120	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	17-OCT-06 14:21	0.72	ND	µg/m <sup>3</sup>		1	3.0
1,4-Dichlorobenzene	17-OCT-06 14:21	0.0987	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	17-OCT-06 14:21	0.59	ND	µg/m <sup>3</sup>		1	3.0
1,2-Dichlorobenzene	17-OCT-06 14:21	0.0851	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	17-OCT-06 14:21	0.51	ND	µg/m <sup>3</sup>		1	3.0
1,2,4-Trichlorobenzene	17-OCT-06 14:21	0.115	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	17-OCT-06 14:21	0.85	ND	µg/m <sup>3</sup>		1	3.7
Hexachlorobutadiene	17-OCT-06 14:21	0.119	ND	ppb v/v		1	0.5
Hexachlorobutadiene	17-OCT-06 14:21	1.3	ND	µg/m <sup>3</sup>		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Ethanol(5.39)	17-OCT-06 14:21	300	ppb v/v	J	1
Isopropyl Alcohol(6.01)	17-OCT-06 14:21	81.	ppb v/v	J	1
Pentane(6.25)	17-OCT-06 14:21	2.7	ppb v/v	J	1
Pentane, 2-methyl-(7.68)	17-OCT-06 14:21	2.5	ppb v/v	J	1
C7 Hydrocarbon(10.26)	17-OCT-06 14:21	3.3	ppb v/v	J	1
Hexanal(12.64)	17-OCT-06 14:21	14.	ppb v/v	J	1
C3 subst. Cyclohexane(15.89)	17-OCT-06 14:21	2.5	ppb v/v	J	1
.alpha.-Pinene(16.00)	17-OCT-06 14:21	54.	ppb v/v	J	1
Octanal(16.72)	17-OCT-06 14:21	5.3	ppb v/v	J	1
.beta.-Pinene(16.79)	17-OCT-06 14:21	6.0	ppb v/v	J	1
Decane(16.99)	17-OCT-06 14:21	6.4	ppb v/v	J	1
3-Carene(17.33)	17-OCT-06 14:21	27.	ppb v/v	J	1
Benzene, 1-ethyl-2,4-dimethyl-(17.42)	17-OCT-06 14:21	3.6	ppb v/v	J	1
C11 Hydrocarbon(17.52)	17-OCT-06 14:21	3.0	ppb v/v	J	1
Limonene(17.59)	17-OCT-06 14:21	6.7	ppb v/v	J	1
C11 Hydrocarbon(17.68)	17-OCT-06 14:21	3.3	ppb v/v	J	1
C11 Hydrocarbon(17.83)	17-OCT-06 14:21	7.4	ppb v/v	J	1
C11 Hydrocarbon(18.17)	17-OCT-06 14:21	8.9	ppb v/v	J	1
Nonanal(18.48)	17-OCT-06 14:21	4.9	ppb v/v	J	1
Undecane(18.69)	17-OCT-06 14:21	3.1	ppb v/v	J	1



FORM A (TYPE I)  
SINGLE METHOD ANALYSES

Form RLIMS63A-V1.4  
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SAMPLE ANALYSIS DATA SHEET



S069J011

Date Printed.....: 19-OCT-06 15:23

Client Sample Name: [REDACTED]  
DCL Sample Name....: 06141177  
DCL Report Group...: 06I-5529-04

Client Name.....: PSI  
Client Ref Number....: 965-60026  
Sampling Site.....: Not Provided  
Release Number.....: 965-60026

Matrix.....: AIR  
Date Sampled.....: 11-OCT-06 00:00  
Reporting Units....: ppb v/v  
Report Basis.....: ☒ As Received ☐ Dried

Date Received.....: 16-OCT-06 00:00

DCL Preparation Group: Not Applicable  
Date Prepared.....: Not Applicable  
Preparation Method....: Not Applicable  
Aliquot Weight/Volume: 200 mL  
Net Weight/Volume....: Not Required

DCL Analysis Group: G069L00R  
Analysis Method....: TO-15  
Instrument Type....: GC/MS VO  
Instrument ID.....: 5972-O  
Column Type.....: DB-1  
☒ Primary  
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Propene	17-OCT-06 15:01	0.180	1.5	ppb v/v		1	0.5
Propene	17-OCT-06 15:01	0.31	2.6	ug/m <sup>3</sup>		1	0.86
Dichlorodifluoromethane	17-OCT-06 15:01	0.0669	0.42	ppb v/v	J	1	0.5
Dichlorodifluoromethane	17-OCT-06 15:01	0.33	2.1	ug/m <sup>3</sup>	J	1	2.5
Chloromethane	17-OCT-06 15:01	0.249	ND	ppb v/v		1	0.5
Chloromethane	17-OCT-06 15:01	0.51	ND	ug/m <sup>3</sup>		1	1.0
Freon 114	17-OCT-06 15:01	0.156	ND	ppb v/v		1	0.5
Freon 114	17-OCT-06 15:01	1.1	ND	ug/m <sup>3</sup>		1	3.5
Vinyl Chloride	17-OCT-06 15:01	0.301	ND	ppb v/v		1	0.5
Vinyl Chloride	17-OCT-06 15:01	0.77	ND	ug/m <sup>3</sup>		1	1.3
1,3-Butadiene	17-OCT-06 15:01	0.346	ND	ppb v/v		1	0.5
1,3-Butadiene	17-OCT-06 15:01	0.77	ND	ug/m <sup>3</sup>		1	1.1
Bromomethane	17-OCT-06 15:01	0.215	ND	ppb v/v		1	0.5
Bromomethane	17-OCT-06 15:01	0.83	ND	ug/m <sup>3</sup>		1	1.9
Chloroethane	17-OCT-06 15:01	0.388	ND	ppb v/v		1	0.5
Chloroethane	17-OCT-06 15:01	1.0	ND	ug/m <sup>3</sup>		1	1.3
Freon 11	17-OCT-06 15:01	0.0921	0.19	ppb v/v	J	1	0.5
Freon 11	17-OCT-06 15:01	0.52	1.1	ug/m <sup>3</sup>	J	1	2.8
cis-1,2-Dichloroethene	17-OCT-06 15:01	0.102	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	17-OCT-06 15:01	0.40	ND	ug/m <sup>3</sup>		1	2.0
Carbon Disulfide	17-OCT-06 15:01	0.111	ND	ppb v/v		1	0.5
Carbon Disulfide	17-OCT-06 15:01	0.35	ND	ug/m <sup>3</sup>		1	1.6
Freon 113	17-OCT-06 15:01	0.0950	ND	ppb v/v		1	0.5
Freon 113	17-OCT-06 15:01	0.73	ND	ug/m <sup>3</sup>		1	3.8
Acetone	17-OCT-06 15:01	0.113	6.7	ppb v/v		1	0.5
Acetone	17-OCT-06 15:01	0.27	16.	ug/m <sup>3</sup>		1	1.2
Methylene Chloride	17-OCT-06 15:01	0.168	ND	ppb v/v		1	0.5
Methylene Chloride	17-OCT-06 15:01	0.58	ND	ug/m <sup>3</sup>		1	1.7
trans-1,2-Dichloroethene	17-OCT-06 15:01	0.118	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	17-OCT-06 15:01	0.47	ND	ug/m <sup>3</sup>		1	2.0
1,1-Dichloroethane	17-OCT-06 15:01	0.116	ND	ppb v/v		1	0.5
1,1-Dichloroethane	17-OCT-06 15:01	0.47	ND	ug/m <sup>3</sup>		1	2.0
Methyl t-Butyl Ether	17-OCT-06 15:01	0.147	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	17-OCT-06 15:01	0.53	ND	ug/m <sup>3</sup>		1	1.8
Vinyl Acetate	17-OCT-06 15:01	0.133	ND	ppb v/v		1	0.5
Vinyl Acetate	17-OCT-06 15:01	0.47	ND	ug/m <sup>3</sup>		1	1.8
1,1-Dichloroethene	17-OCT-06 15:01	0.109	ND	ppb v/v		1	0.5
1,1-Dichloroethene	17-OCT-06 15:01	0.43	ND	ug/m <sup>3</sup>		1	2.0
2-Butanone	17-OCT-06 15:01	0.182	5.0	ppb v/v		1	0.5
2-Butanone	17-OCT-06 15:01	0.54	15.	ug/m <sup>3</sup>		1	1.5
Ethyl Acetate	17-OCT-06 15:01	0.273	6.6	ppb v/v		1	0.5

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FORM A (TYPE I)  
SINGLE METHOD ANALYSES

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SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 19-OCT-06 15:23  
Client Name.....: PSI

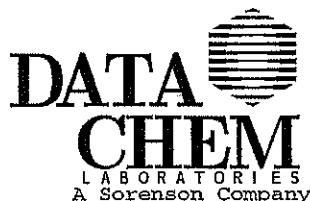
DCL Sample Name....: 06I41177  
DCL Report Group...: 06I-5529-04

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	17-OCT-06 15:01	0.98	24.	µg/m³		1	1.8
Hexane	17-OCT-06 15:01	0.121	0.87	ppb v/v		1	0.5
Hexane	17-OCT-06 15:01	0.43	3.1	µg/m³		1	1.8
Chloroform	17-OCT-06 15:01	0.115	ND	ppb v/v		1	0.5
Chloroform	17-OCT-06 15:01	0.56	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	17-OCT-06 15:01	0.0725	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	17-OCT-06 15:01	0.40	ND	µg/m³		1	2.7
Carbon Tetrachloride	17-OCT-06 15:01	0.0657	ND	ppb v/v		1	0.5
Carbon Tetrachloride	17-OCT-06 15:01	0.41	ND	µg/m³		1	3.1
Benzene	17-OCT-06 15:01	0.102	0.82	ppb v/v		1	0.5
Benzene	17-OCT-06 15:01	0.33	2.6	µg/m³		1	1.6
Tetrahydrofuran	17-OCT-06 15:01	0.227	21.	ppb v/v		1	0.5
Tetrahydrofuran	17-OCT-06 15:01	0.67	62.	µg/m³		1	1.5
1,2-Dichloroethane	17-OCT-06 15:01	0.153	ND	ppb v/v		1	0.5
1,2-Dichloroethane	17-OCT-06 15:01	0.62	ND	µg/m³		1	2.0
Cyclohexane	17-OCT-06 15:01	0.120	ND	ppb v/v		1	0.5
Cyclohexane	17-OCT-06 15:01	0.41	ND	µg/m³		1	1.7
Trichloroethene	17-OCT-06 15:01	0.120	ND	ppb v/v		1	0.5
Trichloroethene	17-OCT-06 15:01	0.64	ND	µg/m³		1	2.7
1,2-Dichloropropane	17-OCT-06 15:01	0.123	ND	ppb v/v		1	0.5
1,2-Dichloropropane	17-OCT-06 15:01	0.57	ND	µg/m³		1	2.3
Bromodichloromethane	17-OCT-06 15:01	0.0779	ND	ppb v/v		1	0.5
Bromodichloromethane	17-OCT-06 15:01	0.52	ND	µg/m³		1	3.3
Heptane	17-OCT-06 15:01	0.101	0.99	ppb v/v		1	0.5
Heptane	17-OCT-06 15:01	0.41	4.1	µg/m³		1	2.0
cis-1,3-Dichloropropene	17-OCT-06 15:01	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	17-OCT-06 15:01	0.48	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	17-OCT-06 15:01	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	17-OCT-06 15:01	0.48	ND	µg/m³		1	2.0
Toluene	17-OCT-06 15:01	0.115	64.	ppb v/v	E	1	0.5
Toluene	17-OCT-06 15:01	0.43	240	µg/m³	E	1	1.9
trans-1,3-Dichloropropene	17-OCT-06 15:01	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	17-OCT-06 15:01	0.59	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	17-OCT-06 15:01	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	17-OCT-06 15:01	0.53	ND	µg/m³		1	2.7
Tetrachloroethene	17-OCT-06 15:01	0.0847	ND	ppb v/v		1	0.5
Tetrachloroethene	17-OCT-06 15:01	0.57	ND	µg/m³		1	3.4
2-Hexanone	17-OCT-06 15:01	0.136	ND	ppb v/v		1	0.5
2-Hexanone	17-OCT-06 15:01	0.56	ND	µg/m³		1	2.0
Dibromochloromethane	17-OCT-06 15:01	0.0792	ND	ppb v/v		1	0.5
Dibromochloromethane	17-OCT-06 15:01	0.67	ND	µg/m³		1	4.2
1,2-Dibromoethane	17-OCT-06 15:01	0.119	ND	ppb v/v		1	0.5
1,2-Dibromoethane	17-OCT-06 15:01	0.91	ND	µg/m³		1	3.8
Chlorobenzene	17-OCT-06 15:01	0.0882	ND	ppb v/v		1	0.5
Chlorobenzene	17-OCT-06 15:01	0.41	ND	µg/m³		1	2.3
Ethylbenzene	17-OCT-06 15:01	0.150	0.67	ppb v/v		1	0.5
Ethylbenzene	17-OCT-06 15:01	0.65	2.9	µg/m³		1	2.2
m,p-Xylene	17-OCT-06 15:01	0.213	2.5	ppb v/v		1	1.0
m,p-Xylene	17-OCT-06 15:01	0.92	11.	µg/m³		1	4.3
o-Xylene	17-OCT-06 15:01	0.113	0.78	ppb v/v		1	0.5
o-Xylene	17-OCT-06 15:01	0.49	3.4	µg/m³		1	2.2
Styrene	17-OCT-06 15:01	0.0748	0.38	ppb v/v	J	1	0.5
Styrene	17-OCT-06 15:01	0.32	1.6	µg/m³	J	1	2.1
Bromoform	17-OCT-06 15:01	0.0884	ND	ppb v/v		1	0.5
Bromoform	17-OCT-06 15:01	0.90	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	17-OCT-06 15:01	0.108	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	17-OCT-06 15:01	0.74	ND	µg/m³		1	3.4
Benzyl Chloride	17-OCT-06 15:01	0.136	ND	ppb v/v		1	0.5

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FORM A (TYPE I)  
SINGLE METHOD ANALYSES

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SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 19-OCT-06 15:23  
Client Name.....: PSI

DCL Sample Name....: 06I41177  
DCL Report Group...: 06I-5529-04

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	17-OCT-06 15:01	0.70	ND	ug/m <sup>3</sup>		1	2.6
4-Ethyl toluene	17-OCT-06 15:01	0.0983	0.28	ppb v/v	J	1	0.5
4-Ethyl toluene	17-OCT-06 15:01	0.48	1.4	ug/m <sup>3</sup>	J	1	2.5
1,3,5-Trimethylbenzene	17-OCT-06 15:01	0.112	0.22	ppb v/v	J	1	0.5
1,3,5-Trimethylbenzene	17-OCT-06 15:01	0.55	1.1	ug/m <sup>3</sup>	J	1	2.5
1,2,4-Trimethylbenzene	17-OCT-06 15:01	0.117	0.82	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	17-OCT-06 15:01	0.58	4.0	ug/m <sup>3</sup>		1	2.5
1,3-Dichlorobenzene	17-OCT-06 15:01	0.120	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	17-OCT-06 15:01	0.72	ND	ug/m <sup>3</sup>		1	3.0
1,4-Dichlorobenzene	17-OCT-06 15:01	0.0987	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	17-OCT-06 15:01	0.59	ND	ug/m <sup>3</sup>		1	3.0
1,2-Dichlorobenzene	17-OCT-06 15:01	0.0851	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	17-OCT-06 15:01	0.51	ND	ug/m <sup>3</sup>		1	3.0
1,2,4-Trichlorobenzene	17-OCT-06 15:01	0.115	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	17-OCT-06 15:01	0.85	ND	ug/m <sup>3</sup>		1	3.7
Hexachlorobutadiene	17-OCT-06 15:01	0.119	ND	ppb v/v		1	0.5
Hexachlorobutadiene	17-OCT-06 15:01	1.3	ND	ug/m <sup>3</sup>		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Ethanol(5.40)	17-OCT-06 15:01	130	ppb v/v	J	1
Isopropyl Alcohol(6.02)	17-OCT-06 15:01	46.	ppb v/v	J	1
C7 Hydrocarbon(10.27)	17-OCT-06 15:01	2.2	ppb v/v	J	1
Hexanal(12.65)	17-OCT-06 15:01	11.	ppb v/v	J	1
Octane(13.11)	17-OCT-06 15:01	2.3	ppb v/v	J	1
Cyclohexanone(14.64)	17-OCT-06 15:01	3.4	ppb v/v	J	1
Nonane(15.15)	17-OCT-06 15:01	4.2	ppb v/v	J	1
Cyclohexane, propyl-(15.89)	17-OCT-06 15:01	2.2	ppb v/v	J	1
.alpha.-Pinene(16.00)	17-OCT-06 15:01	58.	ppb v/v	J	1
Octanal(16.73)	17-OCT-06 15:01	4.0	ppb v/v	J	1
.beta.-Pinene(16.79)	17-OCT-06 15:01	6.0	ppb v/v	J	1
Decane(16.99)	17-OCT-06 15:01	4.6	ppb v/v	J	1
3-Carene(17.33)	17-OCT-06 15:01	17.	ppb v/v	J	1
C11 Hydrocarbon(17.42)	17-OCT-06 15:01	2.1	ppb v/v	J	1
C11 Hydrocarbon(17.52)	17-OCT-06 15:01	2.7	ppb v/v	J	1
Limonene(17.59)	17-OCT-06 15:01	3.6	ppb v/v	J	1
C11 Hydrocarbon(17.68)	17-OCT-06 15:01	2.7	ppb v/v	J	1
C11 Hydrocarbon(17.83)	17-OCT-06 15:01	6.2	ppb v/v	J	1
C11 Hydrocarbon(18.16)	17-OCT-06 15:01	3.8	ppb v/v	J	1
Nonanal(18.48)	17-OCT-06 15:01	4.7	ppb v/v	J	1



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SINGLE METHOD ANALYSES

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SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 19-OCT-06 15:23

Client Sample Name: [REDACTED]

Client Name.....: PSI

DCL Sample Name....: 06I41178

Client Ref Number....: 965-60026

DCL Report Group...: 06I-5529-04

Sampling Site.....: Not Provided

Matrix.....: AIR

Release Number.....: 965-60026

Date Sampled.....: 11-OCT-06 00:00

Date Received.....: 16-OCT-06 00:00

Reporting Units....: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable

DCL Analysis Group: G069L00R

Date Prepared.....: Not Applicable

Analysis Method....: TO-15

Preparation Method....: Not Applicable

Instrument Type....: GC/MS VO

Aliquot Weight/Volume: 200 mL

Instrument ID.....: 5972-0

Net Weight/Volume....: Not Required

Column Type.....: DB-1

☒ Primary

☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Propene	17-OCT-06 15:41	0.180	7.7	ppb v/v		1	0.5
Propene	17-OCT-06 15:41	0.31	13.	µg/m³		1	0.86
Dichlorodifluoromethane	17-OCT-06 15:41	0.0669	0.42	ppb v/v	J	1	0.5
Dichlorodifluoromethane	17-OCT-06 15:41	0.33	2.1	µg/m³	J	1	2.5
Chloromethane	17-OCT-06 15:41	0.249	0.69	ppb v/v		1	0.5
Chloromethane	17-OCT-06 15:41	0.51	1.4	µg/m³		1	1.0
Freon 114	17-OCT-06 15:41	0.156	ND	ppb v/v		1	0.5
Freon 114	17-OCT-06 15:41	1.1	ND	µg/m³		1	3.5
Vinyl Chloride	17-OCT-06 15:41	0.301	ND	ppb v/v		1	0.5
Vinyl Chloride	17-OCT-06 15:41	0.77	ND	µg/m³		1	1.3
1,3-Butadiene	17-OCT-06 15:41	0.346	ND	ppb v/v		1	0.5
1,3-Butadiene	17-OCT-06 15:41	0.77	ND	µg/m³		1	1.1
Bromomethane	17-OCT-06 15:41	0.215	ND	ppb v/v		1	0.5
Bromomethane	17-OCT-06 15:41	0.83	ND	µg/m³		1	1.9
Chloroethane	17-OCT-06 15:41	0.388	ND	ppb v/v		1	0.5
Chloroethane	17-OCT-06 15:41	1.0	ND	µg/m³		1	1.3
Freon 11	17-OCT-06 15:41	0.0921	0.22	ppb v/v	J	1	0.5
Freon 11	17-OCT-06 15:41	0.52	1.2	µg/m³	J	1	2.8
cis-1,2-Dichloroethene	17-OCT-06 15:41	0.102	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	17-OCT-06 15:41	0.40	ND	µg/m³		1	2.0
Carbon Disulfide	17-OCT-06 15:41	0.111	0.44	ppb v/v	J	1	0.5
Carbon Disulfide	17-OCT-06 15:41	0.35	1.4	µg/m³	J	1	1.6
Freon 113	17-OCT-06 15:41	0.0950	ND	ppb v/v		1	0.5
Freon 113	17-OCT-06 15:41	0.73	ND	µg/m³		1	3.8
Acetone	17-OCT-06 15:41	0.113	12.	ppb v/v		1	0.5
Acetone	17-OCT-06 15:41	0.27	29.	µg/m³		1	1.2
Methylene Chloride	17-OCT-06 15:41	0.168	ND	ppb v/v		1	0.5
Methylene Chloride	17-OCT-06 15:41	0.58	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	17-OCT-06 15:41	0.118	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	17-OCT-06 15:41	0.47	ND	µg/m³		1	2.0
1,1-Dichloroethane	17-OCT-06 15:41	0.116	ND	ppb v/v		1	0.5
1,1-Dichloroethane	17-OCT-06 15:41	0.47	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	17-OCT-06 15:41	0.147	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	17-OCT-06 15:41	0.53	ND	µg/m³		1	1.8
Vinyl Acetate	17-OCT-06 15:41	0.133	ND	ppb v/v		1	0.5
Vinyl Acetate	17-OCT-06 15:41	0.47	ND	µg/m³		1	1.8
1,1-Dichloroethene	17-OCT-06 15:41	0.109	ND	ppb v/v		1	0.5
1,1-Dichloroethene	17-OCT-06 15:41	0.43	ND	µg/m³		1	2.0
2-Butanone	17-OCT-06 15:41	0.182	4.4	ppb v/v		1	0.5
2-Butanone	17-OCT-06 15:41	0.54	13.	µg/m³		1	1.5
Ethyl Acetate	17-OCT-06 15:41	0.273	ND	ppb v/v		1	0.5

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SINGLE METHOD ANALYSES

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SAMPLE ANALYSIS DATA SHEET



S069J012

Date Printed.....: 19-OCT-06 15:23  
Client Name.....: PSI

DCL Sample Name....: 06I41178  
DCL Report Group...: 06I-5529-04

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	17-OCT-06 15:41	0.98	ND	µg/m <sup>3</sup>		1	1.8
Hexane	17-OCT-06 15:41	0.121	38.	ppb v/v	E	1	0.5
Hexane	17-OCT-06 15:41	0.43	130	µg/m <sup>3</sup>	E	1	1.8
Chloroform	17-OCT-06 15:41	0.115	ND	ppb v/v		1	0.5
Chloroform	17-OCT-06 15:41	0.56	ND	µg/m <sup>3</sup>		1	2.4
1,1,1-Trichloroethane	17-OCT-06 15:41	0.0725	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	17-OCT-06 15:41	0.40	ND	µg/m <sup>3</sup>		1	2.7
Carbon Tetrachloride	17-OCT-06 15:41	0.0657	ND	ppb v/v		1	0.5
Carbon Tetrachloride	17-OCT-06 15:41	0.41	ND	µg/m <sup>3</sup>		1	3.1
Benzene	17-OCT-06 15:41	0.102	14.	ppb v/v		1	0.5
Benzene	17-OCT-06 15:41	0.33	44.	µg/m <sup>3</sup>		1	1.6
Tetrahydrofuran	17-OCT-06 15:41	0.227	69.	ppb v/v	E	1	0.5
Tetrahydrofuran	17-OCT-06 15:41	0.67	200	µg/m <sup>3</sup>	E	1	1.5
1,2-Dichloroethane	17-OCT-06 15:41	0.153	ND	ppb v/v		1	0.5
1,2-Dichloroethane	17-OCT-06 15:41	0.62	ND	µg/m <sup>3</sup>		1	2.0
Cyclohexane	17-OCT-06 15:41	0.120	3.9	ppb v/v		1	0.5
Cyclohexane	17-OCT-06 15:41	0.41	13.	µg/m <sup>3</sup>		1	1.7
Trichloroethene	17-OCT-06 15:41	0.120	ND	ppb v/v		1	0.5
Trichloroethene	17-OCT-06 15:41	0.64	ND	µg/m <sup>3</sup>		1	2.7
1,2-Dichloropropane	17-OCT-06 15:41	0.123	ND	ppb v/v		1	0.5
1,2-Dichloropropane	17-OCT-06 15:41	0.57	ND	µg/m <sup>3</sup>		1	2.3
Bromodichloromethane	17-OCT-06 15:41	0.0779	ND	ppb v/v		1	0.5
Bromodichloromethane	17-OCT-06 15:41	0.52	ND	µg/m <sup>3</sup>		1	3.3
Heptane	17-OCT-06 15:41	0.101	10.	ppb v/v		1	0.5
Heptane	17-OCT-06 15:41	0.41	43.	µg/m <sup>3</sup>		1	2.0
cis-1,3-Dichloropropene	17-OCT-06 15:41	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	17-OCT-06 15:41	0.48	ND	µg/m <sup>3</sup>		1	2.3
4-Methyl-2-Pentanone	17-OCT-06 15:41	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	17-OCT-06 15:41	0.48	ND	µg/m <sup>3</sup>		1	2.0
Toluene	17-OCT-06 15:41	0.115	81.	ppb v/v	E	1	0.5
Toluene	17-OCT-06 15:41	0.43	300	µg/m <sup>3</sup>	E	1	1.9
trans-1,3-Dichloropropene	17-OCT-06 15:41	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	17-OCT-06 15:41	0.59	ND	µg/m <sup>3</sup>		1	2.3
1,1,2-Trichloroethane	17-OCT-06 15:41	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	17-OCT-06 15:41	0.53	ND	µg/m <sup>3</sup>		1	2.7
Tetrachloroethene	17-OCT-06 15:41	0.0847	ND	ppb v/v		1	0.5
Tetrachloroethene	17-OCT-06 15:41	0.57	ND	µg/m <sup>3</sup>		1	3.4
2-Hexanone	17-OCT-06 15:41	0.136	ND	ppb v/v		1	0.5
2-Hexanone	17-OCT-06 15:41	0.56	ND	µg/m <sup>3</sup>		1	2.0
Dibromochloromethane	17-OCT-06 15:41	0.0792	ND	ppb v/v		1	0.5
Dibromochloromethane	17-OCT-06 15:41	0.67	ND	µg/m <sup>3</sup>		1	4.2
1,2-Dibromoethane	17-OCT-06 15:41	0.119	ND	ppb v/v		1	0.5
1,2-Dibromoethane	17-OCT-06 15:41	0.91	ND	µg/m <sup>3</sup>		1	3.8
Chlorobenzene	17-OCT-06 15:41	0.0882	ND	ppb v/v		1	0.5
Chlorobenzene	17-OCT-06 15:41	0.41	ND	µg/m <sup>3</sup>		1	2.3
Ethylbenzene	17-OCT-06 15:41	0.150	9.4	ppb v/v		1	0.5
Ethylbenzene	17-OCT-06 15:41	0.65	41.	µg/m <sup>3</sup>		1	2.2
m,p-Xylene	17-OCT-06 15:41	0.213	36.	ppb v/v		1	1.0
m,p-Xylene	17-OCT-06 15:41	0.92	160	µg/m <sup>3</sup>		1	4.3
o-Xylene	17-OCT-06 15:41	0.113	11.	ppb v/v		1	0.5
o-Xylene	17-OCT-06 15:41	0.49	46.	µg/m <sup>3</sup>		1	2.2
Styrene	17-OCT-06 15:41	0.0748	2.1	ppb v/v		1	0.5
Styrene	17-OCT-06 15:41	0.32	9.0	µg/m <sup>3</sup>		1	2.1
Bromoform	17-OCT-06 15:41	0.0884	ND	ppb v/v		1	0.5
Bromoform	17-OCT-06 15:41	0.90	ND	µg/m <sup>3</sup>		1	5.1
1,1,2,2-Tetrachloroethane	17-OCT-06 15:41	0.108	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	17-OCT-06 15:41	0.74	ND	µg/m <sup>3</sup>		1	3.4
Benzyl Chloride	17-OCT-06 15:41	0.136	ND	ppb v/v		1	0.5

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FORM A (TYPE I)  
SINGLE METHOD ANALYSES

Form RLIMS63A-V1.4  
10190615231405  
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SAMPLE ANALYSIS DATA SHEET



S069J012

Date Printed.....: 19-OCT-06 15:23  
Client Name.....: PST

DCL Sample Name....: 06I41178  
DCL Report Group...: 06I-5529-04

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	17-OCT-06 15:41	0.70	ND	ug/m <sup>3</sup>		1	2.6
4-Ethyl toluene	17-OCT-06 15:41	0.0983	2.9	ppb v/v		1	0.5
4-Ethyl toluene	17-OCT-06 15:41	0.48	14.	ug/m <sup>3</sup>		1	2.5
1,3,5-Trimethylbenzene	17-OCT-06 15:41	0.112	2.6	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	17-OCT-06 15:41	0.55	13.	ug/m <sup>3</sup>		1	2.5
1,2,4-Trimethylbenzene	17-OCT-06 15:41	0.117	10.	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	17-OCT-06 15:41	0.58	51.	ug/m <sup>3</sup>		1	2.5
1,3-Dichlorobenzene	17-OCT-06 15:41	0.120	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	17-OCT-06 15:41	0.72	ND	ug/m <sup>3</sup>		1	3.0
1,4-Dichlorobenzene	17-OCT-06 15:41	0.0987	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	17-OCT-06 15:41	0.59	ND	ug/m <sup>3</sup>		1	3.0
1,2-Dichlorobenzene	17-OCT-06 15:41	0.0851	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	17-OCT-06 15:41	0.51	ND	ug/m <sup>3</sup>		1	3.0
1,2,4-Trichlorobenzene	17-OCT-06 15:41	0.115	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	17-OCT-06 15:41	0.85	ND	ug/m <sup>3</sup>		1	3.7
Hexachlorobutadiene	17-OCT-06 15:41	0.119	ND	ppb v/v		1	0.5
Hexachlorobutadiene	17-OCT-06 15:41	1.3	ND	ug/m <sup>3</sup>		1	5.3

Tentatively Identified Compound Results

Analyte (Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Ethanol (5.41)	17-OCT-06 15:41	160	ppb v/v	J	1
Isopropyl Alcohol (6.03)	17-OCT-06 15:41	40.	ppb v/v	J	1
Pentane (6.26)	17-OCT-06 15:41	18.	ppb v/v	J	1
Cyclopropane, 1,1-dimethyl- (6.39)	17-OCT-06 15:41	6.3	ppb v/v	J	1
2-Butene, 2-methyl- (6.63)	17-OCT-06 15:41	9.1	ppb v/v	J	1
Butane, 2,2-dimethyl- (6.96)	17-OCT-06 15:41	5.2	ppb v/v	J	1
BUTANE, 2,3-DIMETHYL- (7.60)	17-OCT-06 15:41	8.6	ppb v/v	J	1
Pentane, 2-methyl- (7.69)	17-OCT-06 15:41	22.	ppb v/v	J	1
Pentane, 3-methyl- (8.02)	17-OCT-06 15:41	13.	ppb v/v	J	1
CYCLOPENTANE, METHYL- (9.11)	17-OCT-06 15:41	7.8	ppb v/v	J	1
Hexane, 2-methyl- (10.05)	17-OCT-06 15:41	7.1	ppb v/v	J	1
Hexane, 3-methyl- (10.27)	17-OCT-06 15:41	14.	ppb v/v	J	1
C8 Alkene (12.02)	17-OCT-06 15:41	5.3	ppb v/v	J	1
Hexanal (12.64)	17-OCT-06 15:41	24.	ppb v/v	J	1
.alpha.-Pinene (16.00)	17-OCT-06 15:41	98.	ppb v/v	J	1
Benzene, 1-ethyl-2-methyl- (16.24)	17-OCT-06 15:41	12.	ppb v/v	J	1
Octanal (16.72)	17-OCT-06 15:41	6.0	ppb v/v	J	1
.beta.-Pinene (16.80)	17-OCT-06 15:41	13.	ppb v/v	J	1
3-Carene (17.33)	17-OCT-06 15:41	39.	ppb v/v	J	1
Limonene (17.60)	17-OCT-06 15:41	8.7	ppb v/v	J	1
Nonanal (18.48)	17-OCT-06 15:41	5.4	ppb v/v	J	1



FORM A (TYPE I)  
SINGLE METHOD ANALYSES

Form RLIMS63A-V1.4  
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SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 19-OCT-06 15:23

Client Sample Name: [REDACTED]

Client Name.....: PSI

DCL Sample Name....: 06I41179

Client Ref Number....: 965-60026

DCL Report Group...: 06I-5529-04

Sampling Site.....: Not Provided

Matrix.....: AIR

Release Number.....: 965-60026

Date Sampled.....: 11-OCT-06 00:00

Date Received.....: 16-OCT-06 00:00

Reporting Units....: ppb v/v

Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable

DCL Analysis Group: G069L00R

Date Prepared.....: Not Applicable

Analysis Method....: TO-15

Preparation Method....: Not Applicable

Instrument Type....: GC/MS VO

Aliquot Weight/Volume: 200 mL

Instrument ID.....: 5972-0

Net Weight/Volume....: Not Required

Column Type.....: DB-1

☒ Primary

☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Propene	17-OCT-06 16:19	0.180	ND	ppb v/v		1	0.5
Propene	17-OCT-06 16:19	0.31	ND	µg/m³		1	0.86
Dichlorodifluoromethane	17-OCT-06 16:19	0.0669	0.39	ppb v/v	J	1	0.5
Dichlorodifluoromethane	17-OCT-06 16:19	0.33	1.9	µg/m³	J	1	2.5
Chloromethane	17-OCT-06 16:19	0.249	0.82	ppb v/v		1	0.5
Chloromethane	17-OCT-06 16:19	0.51	1.7	µg/m³		1	1.0
Freon 114	17-OCT-06 16:19	0.156	ND	ppb v/v		1	0.5
Freon 114	17-OCT-06 16:19	1.1	ND	µg/m³		1	3.5
Vinyl Chloride	17-OCT-06 16:19	0.301	ND	ppb v/v		1	0.5
Vinyl Chloride	17-OCT-06 16:19	0.77	ND	µg/m³		1	1.3
1,3-Butadiene	17-OCT-06 16:19	0.346	ND	ppb v/v		1	0.5
1,3-Butadiene	17-OCT-06 16:19	0.77	ND	µg/m³		1	1.1
Bromomethane	17-OCT-06 16:19	0.215	ND	ppb v/v		1	0.5
Bromomethane	17-OCT-06 16:19	0.83	ND	µg/m³		1	1.9
Chloroethane	17-OCT-06 16:19	0.388	ND	ppb v/v		1	0.5
Chloroethane	17-OCT-06 16:19	1.0	ND	µg/m³		1	1.3
Freon 11	17-OCT-06 16:19	0.0921	0.21	ppb v/v	J	1	0.5
Freon 11	17-OCT-06 16:19	0.52	1.2	µg/m³	J	1	2.8
cis-1,2-Dichloroethene	17-OCT-06 16:19	0.102	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	17-OCT-06 16:19	0.40	ND	µg/m³		1	2.0
Carbon Disulfide	17-OCT-06 16:19	0.111	12.	ppb v/v		1	0.5
Carbon Disulfide	17-OCT-06 16:19	0.35	38.	µg/m³		1	1.6
Freon 113	17-OCT-06 16:19	0.0950	ND	ppb v/v		1	0.5
Freon 113	17-OCT-06 16:19	0.73	ND	µg/m³		1	3.8
Acetone	17-OCT-06 16:19	0.113	15.	ppb v/v		1	0.5
Acetone	17-OCT-06 16:19	0.27	37.	µg/m³		1	1.2
Methylene Chloride	17-OCT-06 16:19	0.168	ND	ppb v/v		1	0.5
Methylene Chloride	17-OCT-06 16:19	0.58	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	17-OCT-06 16:19	0.118	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	17-OCT-06 16:19	0.47	ND	µg/m³		1	2.0
1,1-Dichloroethane	17-OCT-06 16:19	0.116	ND	ppb v/v		1	0.5
1,1-Dichloroethane	17-OCT-06 16:19	0.47	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	17-OCT-06 16:19	0.147	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	17-OCT-06 16:19	0.53	ND	µg/m³		1	1.8
Vinyl Acetate	17-OCT-06 16:19	0.133	ND	ppb v/v		1	0.5
Vinyl Acetate	17-OCT-06 16:19	0.47	ND	µg/m³		1	1.8
1,1-Dichloroethene	17-OCT-06 16:19	0.109	ND	ppb v/v		1	0.5
1,1-Dichloroethene	17-OCT-06 16:19	0.43	ND	µg/m³		1	2.0
2-Butanone	17-OCT-06 16:19	0.182	3.5	ppb v/v		1	0.5
2-Butanone	17-OCT-06 16:19	0.54	10.	µg/m³		1	1.5
Ethyl Acetate	17-OCT-06 16:19	0.273	ND	ppb v/v		1	0.5

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Page 1 of 2

Bob Knowles  
1023 Wappoo Rd.  
Suite A19  
Charleston, NC 29407

## Reference Data:

Client Sample No.:	Carbon Monoxide and Methane
P.O. No.:	06I-5529-01
Sample Location:	Not Available
Sample Type:	Air
Method Reference:	GC/TCD
DCL Set ID No.:	06-C-5576
DCL Sample ID No.:	06-38765 through 06-38768
Sample Receipt Date:	10/17/06
Preparation Date:	10/18-19/06
Analysis Date:	10/18-19/06

Sample condition was acceptable upon receipt except where noted.

The analysis was performed on a Hewlett Packard 6890 gas chromatograph equipped with a Thermal conductivity detector and a HP MOLSIV and HP PlotQ capillary column with an isothermal temperature program of 60°C. Compounds are identified by retention time only. Any compound with a similar retention time will interfere.

The results are provided in the enclosed data table. Results relate only to the items tested and are not blank corrected.

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Jeff Ogle  
Analyst

James R. Baxter  
Reviewer

Page 2 of 2  
06-C-5576Data Table  
Methane

Client #	DCL #	ppm
[REDACTED]	06-38765	64.
[REDACTED] m	06-38766	14.
[REDACTED]	06-38767	170.
[REDACTED] m	06-38768	99.
	EQL	10.

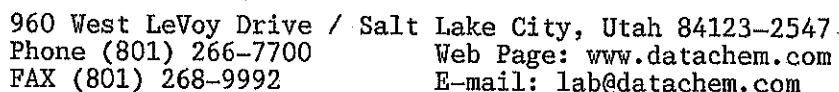
ND - Not detected at or above the estimated quantitation limit (EQL).

Data Table  
Carbon Monoxide

Client #	DCL #	% v/v
[REDACTED]	06-38765	ND
[REDACTED]	06-38766	ND
[REDACTED]	06-38767	ND
[REDACTED]	06-38768	ND
	EQL	.01

ND - Not detected at or above the estimated quantitation limit (EQL).

  
Jeff Ogle  
Analyst  
Reviewer







**ANALYTICAL REPORT**

Form ARF-C

Page 2 of 2  
10220612493572X

**OCT 23 2006**

Date \_\_\_\_\_

Laboratory Group Name 06I-5529-03

**General Lab Comments**

The results provided in this report relate only to the items tested.  
Samples were received in acceptable condition unless otherwise noted in the General Set Comments above.  
Samples have not been field blank corrected unless otherwise noted in the General Set Comments above.  
This test report shall not be reproduced, except in full, without written approval of DataChem Laboratories, Inc.  
This page is the concluding page of the report.

2321



1. ☐ **REGULAR Status**

☒ RUSH Status Requested - ADDITIONAL CHARGE  
RESULTS REQUIRED BY 10/19/00 APPROXIMATELY IF POSSIBLE  
ASSUME NO EXTENDED CHARGE  
CONTACT DATACHEM LABS PRIOR TO SENDING SAMPLES

4. Quote No. \_\_\_\_\_

DCL Project Manager 2nd roller

## 5. Sample Collection

Sampling Site: [REDACTED]

Industrial Process

Date of Collection, 10/11/2006

Time Collected 15:30

Date of Shipment 10/12/06

6. How did you first learn about DataChem?

[illegible]

\*\* 1.  $\mu\text{g}/\text{sample}$  2.  $\text{mg}/\text{m}^3$  3. ppm 4. % 5.  $\mu\text{g}/\text{m}^3$  6. \_\_\_\_\_ (other) Please indicate one or more units in the column entitled Units\*\*

Comments: PLEASE CALL BOB KNOWLES WHEN YOU GET SAMPLES

### 7. Chain of Custody (Optional)

Date/Time 10/12/00 12:50

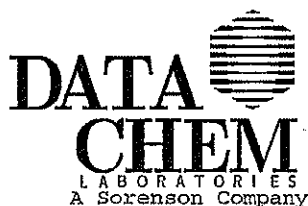
Date/Time 10-10-86 10:16 AM

Date/Time \_\_\_\_\_

Date/Time \_\_\_\_\_

800-356-9135 or 801-266-7700 / FAX: 801-268-9992

DATA CHEM LABORATORIES, INC.



FORM A (TYPE I)  
SINGLE METHOD ANALYSES

Form RLIMS63A-V1.4  
10190615231405  
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SAMPLE ANALYSIS DATA SHEET



S069J013

Date Printed.....: 19-OCT-06 15:23

DCL Sample Name...: 06I41179

Client Name.....: PSI

DCL Report Group...: 06I-5529-04

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Ethyl Acetate	17-OCT-06 16:19	0.98	ND	µg/m³		1	1.8
Hexane	17-OCT-06 16:19	0.121	45.	ppb v/v	E	1	0.5
Hexane	17-OCT-06 16:19	0.43	160	µg/m³	E	1	1.8
Chloroform	17-OCT-06 16:19	0.115	ND	ppb v/v		1	0.5
Chloroform	17-OCT-06 16:19	0.56	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	17-OCT-06 16:19	0.0725	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	17-OCT-06 16:19	0.40	ND	µg/m³		1	2.7
Carbon Tetrachloride	17-OCT-06 16:19	0.0657	ND	ppb v/v		1	0.5
Carbon Tetrachloride	17-OCT-06 16:19	0.41	ND	µg/m³		1	3.1
Benzene	17-OCT-06 16:19	0.102	15.	ppb v/v		1	0.5
Benzene	17-OCT-06 16:19	0.33	49.	µg/m³		1	1.6
Tetrahydrofuran	17-OCT-06 16:19	0.227	34.	ppb v/v	E	1	0.5
Tetrahydrofuran	17-OCT-06 16:19	0.67	100	µg/m³	E	1	1.5
1,2-Dichloroethane	17-OCT-06 16:19	0.153	ND	ppb v/v		1	0.5
1,2-Dichloroethane	17-OCT-06 16:19	0.62	ND	µg/m³		1	2.0
Cyclohexane	17-OCT-06 16:19	0.120	4.4	ppb v/v		1	0.5
Cyclohexane	17-OCT-06 16:19	0.41	15.	µg/m³		1	1.7
Trichloroethene	17-OCT-06 16:19	0.120	ND	ppb v/v		1	0.5
Trichloroethene	17-OCT-06 16:19	0.64	ND	µg/m³		1	2.7
1,2-Dichloropropane	17-OCT-06 16:19	0.123	ND	ppb v/v		1	0.5
1,2-Dichloropropane	17-OCT-06 16:19	0.57	ND	µg/m³		1	2.3
Bromodichloromethane	17-OCT-06 16:19	0.0779	ND	ppb v/v		1	0.5
Bromodichloromethane	17-OCT-06 16:19	0.52	ND	µg/m³		1	3.3
Heptane	17-OCT-06 16:19	0.101	12.	ppb v/v		1	0.5
Heptane	17-OCT-06 16:19	0.41	48.	µg/m³		1	2.0
cis-1,3-Dichloropropene	17-OCT-06 16:19	0.106	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	17-OCT-06 16:19	0.48	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	17-OCT-06 16:19	0.116	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	17-OCT-06 16:19	0.48	ND	µg/m³		1	2.0
Toluene	17-OCT-06 16:19	0.115	89.	ppb v/v	E	1	0.5
Toluene	17-OCT-06 16:19	0.43	330	µg/m³	E	1	1.9
trans-1,3-Dichloropropene	17-OCT-06 16:19	0.130	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	17-OCT-06 16:19	0.59	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	17-OCT-06 16:19	0.0972	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	17-OCT-06 16:19	0.53	ND	µg/m³		1	2.7
Tetrachloroethene	17-OCT-06 16:19	0.0847	ND	ppb v/v		1	0.5
Tetrachloroethene	17-OCT-06 16:19	0.57	ND	µg/m³		1	3.4
2-Hexanone	17-OCT-06 16:19	0.136	ND	ppb v/v		1	0.5
2-Hexanone	17-OCT-06 16:19	0.56	ND	µg/m³		1	2.0
Dibromochloromethane	17-OCT-06 16:19	0.0792	ND	ppb v/v		1	0.5
Dibromochloromethane	17-OCT-06 16:19	0.67	ND	µg/m³		1	4.2
1,2-Dibromoethane	17-OCT-06 16:19	0.119	ND	ppb v/v		1	0.5
1,2-Dibromoethane	17-OCT-06 16:19	0.91	ND	µg/m³		1	3.8
Chlorobenzene	17-OCT-06 16:19	0.0882	ND	ppb v/v		1	0.5
Chlorobenzene	17-OCT-06 16:19	0.41	ND	µg/m³		1	2.3
Ethylbenzene	17-OCT-06 16:19	0.150	9.8	ppb v/v		1	0.5
Ethylbenzene	17-OCT-06 16:19	0.65	42.	µg/m³		1	2.2
m,p-Xylene	17-OCT-06 16:19	0.213	38.	ppb v/v		1	1.0
m,p-Xylene	17-OCT-06 16:19	0.92	160	µg/m³		1	4.3
o-Xylene	17-OCT-06 16:19	0.113	11.	ppb v/v		1	0.5
o-Xylene	17-OCT-06 16:19	0.49	49.	µg/m³		1	2.2
Styrene	17-OCT-06 16:19	0.0748	2.3	ppb v/v		1	0.5
Styrene	17-OCT-06 16:19	0.32	9.8	µg/m³		1	2.1
Bromoform	17-OCT-06 16:19	0.0884	ND	ppb v/v		1	0.5
Bromoform	17-OCT-06 16:19	0.90	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	17-OCT-06 16:19	0.108	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	17-OCT-06 16:19	0.74	ND	µg/m³		1	3.4
Benzyl Chloride	17-OCT-06 16:19	0.136	ND	ppb v/v		1	0.5



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SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 19-OCT-06 15:23  
Client Name.....: PSI

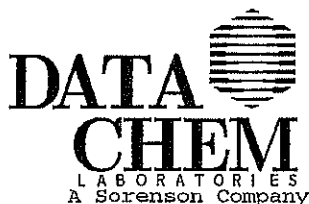
DCL Sample Name...: 06I41179  
DCL Report Group...: 06I-5529-04

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Benzyl Chloride	17-OCT-06 16:19	0.70	ND	ug/m <sup>3</sup>		1	2.6
4-Ethyl toluene	17-OCT-06 16:19	0.0983	3.0	ppb v/v		1	0.5
4-Ethyl toluene	17-OCT-06 16:19	0.48	15.	ug/m <sup>3</sup>		1	2.5
1,3,5-Trimethylbenzene	17-OCT-06 16:19	0.112	2.9	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	17-OCT-06 16:19	0.55	14.	ug/m <sup>3</sup>		1	2.5
1,2,4-Trimethylbenzene	17-OCT-06 16:19	0.117	11.	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	17-OCT-06 16:19	0.58	55.	ug/m <sup>3</sup>		1	2.5
1,3-Dichlorobenzene	17-OCT-06 16:19	0.120	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	17-OCT-06 16:19	0.72	ND	ug/m <sup>3</sup>		1	3.0
1,4-Dichlorobenzene	17-OCT-06 16:19	0.0987	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	17-OCT-06 16:19	0.59	ND	ug/m <sup>3</sup>		1	3.0
1,2-Dichlorobenzene	17-OCT-06 16:19	0.0851	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	17-OCT-06 16:19	0.51	ND	ug/m <sup>3</sup>		1	3.0
1,2,4-Trichlorobenzene	17-OCT-06 16:19	0.115	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	17-OCT-06 16:19	0.85	ND	ug/m <sup>3</sup>		1	3.7
Hexachlorobutadiene	17-OCT-06 16:19	0.119	ND	ppb v/v		1	0.5
Hexachlorobutadiene	17-OCT-06 16:19	1.3	ND	ug/m <sup>3</sup>		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Ethanol(5.44)	17-OCT-06 16:19	110	ppb v/v	J	1
Isopropyl Alcohol(6.05)	17-OCT-06 16:19	35.	ppb v/v	J	1
Cyclopropane, 1,1-dimethyl-(6.19)	17-OCT-06 16:19	4.6	ppb v/v	J	1
Pentane(6.27)	17-OCT-06 16:19	18.	ppb v/v	J	1
1-Butene, 2-methyl-(6.40)	17-OCT-06 16:19	6.6	ppb v/v	J	1
2-Butene, 2-methyl-(6.64)	17-OCT-06 16:19	9.3	ppb v/v	J	1
Butane, 2,2-dimethyl-(6.98)	17-OCT-06 16:19	5.1	ppb v/v	J	1
BUTANE, 2,3-DIMETHYL-(7.62)	17-OCT-06 16:19	9.3	ppb v/v	J	1
Pentane, 2-methyl-(7.69)	17-OCT-06 16:19	24.	ppb v/v	J	1
Pentane, 3-methyl-(8.03)	17-OCT-06 16:19	14.	ppb v/v	J	1
CYCLOPENTANE, METHYL-(9.11)	17-OCT-06 16:19	8.2	ppb v/v	J	1
Hexane, 2-methyl-(10.06)	17-OCT-06 16:19	9.1	ppb v/v	J	1
Hexane, 3-methyl-(10.27)	17-OCT-06 16:19	14.	ppb v/v	J	1
C8 Alkene(12.03)	17-OCT-06 16:19	6.1	ppb v/v	J	1
Hexanal(12.65)	17-OCT-06 16:19	25.	ppb v/v	J	1
.alpha.-Pinene(15.99)	17-OCT-06 16:19	90.	ppb v/v	J	1
Octanal(16.72)	17-OCT-06 16:19	5.6	ppb v/v	J	1
.beta.-Pinene(16.79)	17-OCT-06 16:19	13.	ppb v/v	J	1
3-Carene(17.32)	17-OCT-06 16:19	38.	ppb v/v	J	1
Limonene(17.59)	17-OCT-06 16:19	8.2	ppb v/v	J	1



FORM J (TYPE I)  
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QUALITY CONTROL DATA SHEET  
LABORATORY CONTROL SAMPLE (LCS)  
LABORATORY CONTROL DUPL (LCD)



Client Name.....: PSI  
Release Number.....: 965-60026

DCL Sample Name....: QC-251970-1  
Date Printed.....: 19-OCT-06 15:23

Matrix.....: AIR  
Reporting Units.....: ppb v/v

DCL Analysis Group: G069L00R  
Analysis Method....: TO15  
Instrument Type....: GC/MS VO  
Instrument ID.....: 5972-0  
Column Type.....: DB-1  
☒ Primary  
☐ Confirmation

DCL Preparation Group: Not Applicable  
Date Prepared.....: Not Applicable  
Preparation Method...: Not Applicable

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
Propene	17-OCT-06 11:39	10.0	8.85	88.5	70.0/130.	
Dichlorodifluoromethane	17-OCT-06 11:39	10.0	8.59	85.9	70.0/130.	
Chloromethane	17-OCT-06 11:39	10.0	9.35	93.5	70.0/130.	
Freon 114	17-OCT-06 11:39	10.0	8.56	85.6	70.0/130.	
Vinyl Chloride	17-OCT-06 11:39	10.0	9.24	92.4	70.0/130.	
1,3-Butadiene	17-OCT-06 11:39	10.0	9.20	92.0	70.0/130.	
Bromomethane	17-OCT-06 11:39	10.0	8.85	88.5	70.0/130.	
Chloroethane	17-OCT-06 11:39	10.0	9.43	94.3	70.0/130.	
Freon 11	17-OCT-06 11:39	10.0	8.62	86.2	70.0/130.	
cis-1,2-Dichloroethene	17-OCT-06 11:39	10.0	9.26	92.6	70.0/130.	
Carbon Disulfide	17-OCT-06 11:39	10.0	8.89	88.9	70.0/130.	
Freon 113	17-OCT-06 11:39	10.0	8.24	82.4	70.0/130.	
Acetone	17-OCT-06 11:39	10.0	9.66	96.6	70.0/130.	
Methylene Chloride	17-OCT-06 11:39	10.0	8.92	89.2	70.0/130.	
trans-1,2-Dichloroethene	17-OCT-06 11:39	10.0	9.17	91.7	70.0/130.	
1,1-Dichloroethane	17-OCT-06 11:39	10.0	9.19	91.9	70.0/130.	
Methyl t-Butyl Ether	17-OCT-06 11:39	10.0	9.88	98.8	70.0/130.	
Vinyl Acetate	17-OCT-06 11:39	10.0	10.7	107.	70.0/130.	
1,1-Dichloroethene	17-OCT-06 11:39	10.0	8.58	85.8	70.0/130.	
2-Butanone	17-OCT-06 11:39	10.0	10.9	109.	70.0/130.	
Ethyl Acetate	17-OCT-06 11:39	10.0	11.2	112.	70.0/130.	
Hexane	17-OCT-06 11:39	10.0	10.1	101.	70.0/130.	
Chloroform	17-OCT-06 11:39	10.0	8.38	83.8	70.0/130.	
1,1,1-Trichloroethane	17-OCT-06 11:39	10.0	7.43	74.3	70.0/130.	
Carbon Tetrachloride	17-OCT-06 11:39	10.0	7.07	70.7	70.0/130.	
Benzene	17-OCT-06 11:39	10.0	8.87	88.7	70.0/130.	
Tetrahydrofuran	17-OCT-06 11:39	10.0	12.1	121.	70.0/130.	
1,2-Dichloroethane	17-OCT-06 11:39	10.0	9.07	90.7	70.0/130.	
Cyclohexane	17-OCT-06 11:39	10.0	8.18	81.8	70.0/130.	
Trichloroethene	17-OCT-06 11:39	10.0	7.67	76.7	70.0/130.	
1,2-Dichloropropane	17-OCT-06 11:39	10.0	9.01	90.1	70.0/130.	
Bromodichloromethane	17-OCT-06 11:39	10.0	7.86	78.6	70.0/130.	
Heptane	17-OCT-06 11:39	10.0	9.39	93.9	70.0/130.	
cis-1,3-Dichloropropene	17-OCT-06 11:39	10.0	9.08	90.8	70.0/130.	
4-Methyl-2-Pentanone	17-OCT-06 11:39	10.0	9.73	97.3	70.0/130.	
Toluene	17-OCT-06 11:39	10.0	9.58	95.8	70.0/130.	
trans-1,3-Dichloropropene	17-OCT-06 11:39	10.0	8.96	89.6	70.0/130.	
1,1,2-Trichloroethane	17-OCT-06 11:39	10.0	8.12	81.2	70.0/130.	
Tetrachloroethene	17-OCT-06 11:39	10.0	7.56	75.6	70.0/135.	
2-Hexanone	17-OCT-06 11:39	10.0	10.3	103.	70.0/130.	
1,2-Dibromoethane	17-OCT-06 11:39	10.0	8.34	83.4	70.0/130.	
Chlorobenzene	17-OCT-06 11:39	10.0	8.48	84.8	70.0/130.	
Ethylbenzene	17-OCT-06 11:39	10.0	9.16	91.6	70.0/130.	
m,p-Xylene	17-OCT-06 11:39	20.0	18.0	90.2	70.0/130.	
o-Xylene	17-OCT-06 11:39	10.0	8.62	86.2	70.0/130.	
Styrene	17-OCT-06 11:39	10.0	9.29	92.9	70.0/130.	
Bromoform	17-OCT-06 11:39	10.0	7.64	76.4	70.0/130.	

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FORM J (TYPE I)  
SINGLE METHOD ANALYSES

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QUALITY CONTROL DATA SHEET  
LABORATORY CONTROL SAMPLE (LCS)  
LABORATORY CONTROL DUPL (LCD)



S069K02K

DCL Sample Name....: QC-251970-1  
Date Printed.....: 19-OCT-06 15:23

Client Name.....: PSI

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
1,1,2,2-Tetrachloroethane	17-OCT-06 11:39	10.0	8.21	82.1	70.0/130.	
Benzyl Chloride	17-OCT-06 11:39	10.0	8.34	83.4	70.0/130.	
4-Ethyl toluene	17-OCT-06 11:39	10.0	8.84	88.4	70.0/130.	
1,3,5-Trimethylbenzene	17-OCT-06 11:39	10.0	8.42	84.2	70.0/130.	
1,2,4-Trimethylbenzene	17-OCT-06 11:39	10.0	8.47	84.7	70.0/130.	
1,3-Dichlorobenzene	17-OCT-06 11:39	10.0	7.48	74.8	70.0/130.	
1,4-Dichlorobenzene	17-OCT-06 11:39	10.0	7.74	77.4	70.0/130.	
1,2-Dichlorobenzene	17-OCT-06 11:39	10.0	7.58	75.8	70.0/130.	
1,2,4-Trichlorobenzene	17-OCT-06 11:39	10.0	6.52	65.2	70.0/130.	*
Hexachlorobutadiene	17-OCT-06 11:39	10.0	6.03	60.3	70.0/130.	*
Ethanol	17-OCT-06 11:39	10.0	9.59	95.9	70.0/130.	
Isopropyl Alcohol	17-OCT-06 11:39	10.0	9.53	95.3	70.0/130.	



S069K02L

DCL Sample Name....: QD-251970-1

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
Propene	17-OCT-06 12:21	9.96	99.6	9.40	1.10	12.	0.00/25.0	
Dichlorodifluoromethane	17-OCT-06 12:21	8.93	89.3	8.76	0.347	4.0	0.00/25.0	
Chloromethane	17-OCT-06 12:21	10.1	101.	9.70	0.711	7.3	0.00/25.0	
Freon 114	17-OCT-06 12:21	9.03	90.3	8.80	0.470	5.3	0.00/25.0	
Vinyl Chloride	17-OCT-06 12:21	9.71	97.1	9.48	0.461	4.9	0.00/25.0	
1,3-Butadiene	17-OCT-06 12:21	10.1	101.	9.67	0.932	9.6	0.00/25.0	
Bromomethane	17-OCT-06 12:21	9.27	92.7	9.06	0.419	4.6	0.00/25.0	
Chloroethane	17-OCT-06 12:21	9.48	94.8	9.45	0.0540	0.57	0.00/25.0	
Freon 11	17-OCT-06 12:21	8.74	87.4	8.68	0.120	1.4	0.00/25.0	
cis-1,2-Dichloroethene	17-OCT-06 12:21	9.59	95.9	9.42	0.330	3.5	0.00/25.0	
Carbon Disulfide	17-OCT-06 12:21	9.35	93.5	9.12	0.464	5.1	0.00/25.0	
Freon 113	17-OCT-06 12:21	8.70	87.0	8.47	0.465	5.5	0.00/25.0	
Acetone	17-OCT-06 12:21	9.98	99.8	9.82	0.319	3.2	0.00/25.0	
Methylene Chloride	17-OCT-06 12:21	9.51	95.1	9.21	0.590	6.4	0.00/25.0	
trans-1,2-Dichloroethene	17-OCT-06 12:21	9.43	94.3	9.30	0.259	2.8	0.00/25.0	
1,1-Dichloroethane	17-OCT-06 12:21	9.65	96.5	9.42	0.462	4.9	0.00/25.0	
Methyl t-Butyl Ether	17-OCT-06 12:21	10.3	103.	10.1	0.372	3.7	0.00/25.0	
Vinyl Acetate	17-OCT-06 12:21	11.1	111.	10.9	0.385	3.5	0.00/25.0	
1,1-Dichloroethene	17-OCT-06 12:21	8.85	88.5	8.72	0.275	3.2	0.00/25.0	
2-Butanone	17-OCT-06 12:21	11.5	115.	11.2	0.618	5.5	0.00/25.0	
Ethyl Acetate	17-OCT-06 12:21	11.9	119.	11.6	0.708	6.1	0.00/25.0	
Hexane	17-OCT-06 12:21	10.5	105.	10.3	0.353	3.4	0.00/25.0	
Chloroform	17-OCT-06 12:21	8.74	87.4	8.56	0.361	4.2	0.00/25.0	
1,1,1-Trichloroethane	17-OCT-06 12:21	8.42	84.2	7.92	0.985	12.	0.00/25.0	
Carbon Tetrachloride	17-OCT-06 12:21	8.00	80.0	7.54	0.929	12.	0.00/25.0	
Benzene	17-OCT-06 12:21	10.1	101.	9.50	1.26	13.	0.00/25.0	
Tetrahydrofuran	17-OCT-06 12:21	12.2	122.	12.2	0.0560	0.46	0.00/25.0	
1,2-Dichloroethane	17-OCT-06 12:21	9.66	96.6	9.36	0.589	6.3	0.00/25.0	
Cyclohexane	17-OCT-06 12:21	9.21	92.1	8.69	1.03	12.	0.00/25.0	
Trichloroethene	17-OCT-06 12:21	8.75	87.5	8.21	1.08	13.	0.00/25.0	
1,2-Dichloropropane	17-OCT-06 12:21	9.85	98.5	9.43	0.845	9.0	0.00/25.0	
Bromodichloromethane	17-OCT-06 12:21	8.88	88.8	8.37	1.01	12.	0.00/25.0	
Heptane	17-OCT-06 12:21	10.4	104.	9.88	0.994	10.	0.00/25.0	
cis-1,3-Dichloropropene	17-OCT-06 12:21	10.3	103.	9.67	1.18	12.	0.00/25.0	

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FORM J (TYPE I)  
SINGLE METHOD ANALYSES

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QUALITY CONTROL DATA SHEET  
LABORATORY CONTROL SAMPLE (LCS)  
LABORATORY CONTROL DUPL (LCD)



Client Name.....: PSI

DCL Sample Name....: QD-251970-1  
Date Printed.....: 19-OCT-06 15:23

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
4-Methyl-2-Pentanone	17-OCT-06 12:21	11.1	111.	10.4	1.36	13.	0.00/25.0	
Toluene	17-OCT-06 12:21	11.1	111.	10.3	1.52	15.	0.00/25.0	
trans-1,3-Dichloropropene	17-OCT-06 12:21	10.3	103.	9.61	1.30	14.	0.00/25.0	
1,1,2-Trichloroethane	17-OCT-06 12:21	9.38	93.8	8.75	1.26	14.	0.00/25.0	
Tetrachloroethene	17-OCT-06 12:21	8.71	87.1	8.13	1.15	14.	0.00/25.0	
2-Hexanone	17-OCT-06 12:21	11.7	117.	11.0	1.39	13.	0.00/25.0	
1,2-Dibromoethane	17-OCT-06 12:21	9.48	94.8	8.91	1.14	13.	0.00/25.0	
Chlorobenzene	17-OCT-06 12:21	9.43	94.3	8.96	0.949	11.	0.00/25.0	
Ethylbenzene	17-OCT-06 12:21	10.6	106.	9.89	1.45	15.	0.00/25.0	
m,p-Xylene	17-OCT-06 12:21	19.4	97.1	18.7	1.38	7.4	0.00/25.0	
o-Xylene	17-OCT-06 12:21	9.60	96.0	9.11	0.983	11.	0.00/25.0	
Styrene	17-OCT-06 12:21	10.6	106.	9.93	1.27	13.	0.00/25.0	
Bromoform	17-OCT-06 12:21	8.52	85.2	8.08	0.877	11.	0.00/25.0	
1,1,2,2-Tetrachloroethane	17-OCT-06 12:21	9.22	92.2	8.71	1.01	12.	0.00/25.0	
Benzyl Chloride	17-OCT-06 12:21	9.31	93.1	8.83	0.970	11.	0.00/25.0	
4-Ethyl toluene	17-OCT-06 12:21	9.93	99.3	9.38	1.09	12.	0.00/25.0	
1,3,5-Trimethylbenzene	17-OCT-06 12:21	9.25	92.5	8.83	0.837	9.5	0.00/25.0	
1,2,4-Trimethylbenzene	17-OCT-06 12:21	9.62	96.2	9.04	1.15	13.	0.00/25.0	
1,3-Dichlorobenzene	17-OCT-06 12:21	8.38	83.8	7.93	0.901	11.	0.00/25.0	
1,4-Dichlorobenzene	17-OCT-06 12:21	8.85	88.5	8.30	1.12	13.	0.00/25.0	
1,2-Dichlorobenzene	17-OCT-06 12:21	8.83	88.3	8.20	1.25	15.	0.00/25.0	
1,2,4-Trichlorobenzene	17-OCT-06 12:21	7.62	76.2	7.07	1.10	16.	0.00/25.0	
Hexachlorobutadiene	17-OCT-06 12:21	6.93	69.3	6.48	0.903	14.	0.00/25.0	
Ethanol	17-OCT-06 12:21	10.7	107.	10.1	1.06	11.	0.00/25.0	
Isopropyl Alcohol	17-OCT-06 12:21	10.3	103.	9.94	0.804	8.1	0.00/25.0	



FORM C (TYPE I)  
SINGLE METHOD ANALYSES

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QUALITY CONTROL DATA SHEET  
BLANK SAMPLE



Client Name.....: PSI  
Release Number.....: 965-60026

Matrix.....: AIR  
Reporting Units.....: ppb v/v

DCL Preparation Group: Not Applicable  
Date Prepared.....: Not Applicable  
Preparation Method....: Not Applicable

DCL Sample Name....: BL-251970-1  
Date Printed.....: 19-OCT-06 15:23

DCL Analysis Group: G069L00R  
Analysis Method....: TO-15  
Instrument Type....: GC/MS VO  
Instrument ID.....: 5972-0  
Column Type.....: DB-1

☒ Primary  
☐ Confirmation

QC Limit Type.....: Method

Analytical Results

Analyte	Date Analyzed	Result	MDL	CRDL
Propene	17-OCT-06 13:03	ND	0.180	0.5
Dichlorodifluoromethane	17-OCT-06 13:03	ND	0.0669	0.5
Chloromethane	17-OCT-06 13:03	ND	0.249	0.5
Freon 114	17-OCT-06 13:03	ND	0.156	0.5
Vinyl Chloride	17-OCT-06 13:03	ND	0.301	0.5
1,3-Butadiene	17-OCT-06 13:03	ND	0.346	0.5
Bromomethane	17-OCT-06 13:03	ND	0.215	0.5
Chloroethane	17-OCT-06 13:03	ND	0.388	0.5
Freon 11	17-OCT-06 13:03	ND	0.0921	0.5
cis-1,2-Dichloroethene	17-OCT-06 13:03	ND	0.102	0.5
Carbon Disulfide	17-OCT-06 13:03	ND	0.111	0.5
Freon 113	17-OCT-06 13:03	ND	0.0950	0.5
Acetone	17-OCT-06 13:03	ND	0.113	0.5
Methylene Chloride	17-OCT-06 13:03	ND	0.168	0.5
trans-1,2-Dichloroethene	17-OCT-06 13:03	ND	0.118	0.5
1,1-Dichloroethane	17-OCT-06 13:03	ND	0.116	0.5
Methyl t-Butyl Ether	17-OCT-06 13:03	ND	0.147	0.5
Vinyl Acetate	17-OCT-06 13:03	ND	0.133	0.5
1,1-Dichloroethene	17-OCT-06 13:03	ND	0.109	0.5
2-Butanone	17-OCT-06 13:03	ND	0.182	0.5
Ethyl Acetate	17-OCT-06 13:03	ND	0.273	0.5
Hexane	17-OCT-06 13:03	ND	0.121	0.5
Chloroform	17-OCT-06 13:03	ND	0.115	0.5
1,1,1-Trichloroethane	17-OCT-06 13:03	ND	0.0725	0.5
Carbon Tetrachloride	17-OCT-06 13:03	ND	0.0657	0.5
Benzene	17-OCT-06 13:03	ND	0.102	0.5
Tetrahydrofuran	17-OCT-06 13:03	ND	0.227	0.5
1,2-Dichloroethane	17-OCT-06 13:03	ND	0.153	0.5
Cyclohexane	17-OCT-06 13:03	ND	0.120	0.5
Trichloroethene	17-OCT-06 13:03	ND	0.120	0.5
1,2-Dichloropropane	17-OCT-06 13:03	ND	0.123	0.5
Bromodichloromethane	17-OCT-06 13:03	ND	0.0779	0.5
Heptane	17-OCT-06 13:03	ND	0.101	0.5
cis-1,3-Dichloropropene	17-OCT-06 13:03	ND	0.106	0.5
4-Methyl-2-Pentanone	17-OCT-06 13:03	ND	0.116	0.5
Toluene	17-OCT-06 13:03	ND	0.115	0.5
trans-1,3-Dichloropropene	17-OCT-06 13:03	ND	0.130	0.5
1,1,2-Trichloroethane	17-OCT-06 13:03	ND	0.0972	0.5
Tetrachloroethene	17-OCT-06 13:03	ND	0.0847	0.5
2-Hexanone	17-OCT-06 13:03	ND	0.136	0.5
Dibromochloromethane	17-OCT-06 13:03	ND	0.0792	0.5
1,2-Dibromoethane	17-OCT-06 13:03	ND	0.119	0.5
Chlorobenzene	17-OCT-06 13:03	ND	0.0882	0.5
Ethylbenzene	17-OCT-06 13:03	ND	0.150	0.5
m,p-Xylene	17-OCT-06 13:03	ND	0.213	1.0
o-Xylene	17-OCT-06 13:03	ND	0.113	0.5
Styrene	17-OCT-06 13:03	ND	0.0748	0.5

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FORM C (TYPE I)  
SINGLE METHOD ANALYSES

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QUALITY CONTROL DATA SHEET  
BLANK SAMPLE

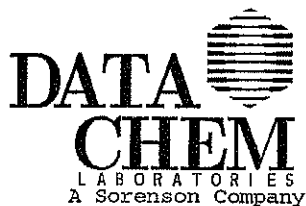


Client Name.....: PSI

DCL Sample Name....: BL-251970-1  
Date Printed.....: 19-OCT-06 15:23

Analytical Results

Analyte	Date Analyzed	Result	MDL	CRDL
Bromoform	17-OCT-06 13:03	ND	0.0884	0.5
1,1,2,2-Tetrachloroethane	17-OCT-06 13:03	ND	0.108	0.5
Benzyl Chloride	17-OCT-06 13:03	ND	0.136	0.5
4-Ethyl toluene	17-OCT-06 13:03	ND	0.0983	0.5
1,3,5-Trimethylbenzene	17-OCT-06 13:03	ND	0.112	0.5
1,2,4-Trimethylbenzene	17-OCT-06 13:03	ND	0.117	0.5
1,3-Dichlorobenzene	17-OCT-06 13:03	ND	0.120	0.5
1,4-Dichlorobenzene	17-OCT-06 13:03	ND	0.0987	0.5
1,2-Dichlorobenzene	17-OCT-06 13:03	ND	0.0851	0.5
1,2,4-Trichlorobenzene	17-OCT-06 13:03	ND	0.115	0.5
Hexachlorobutadiene	17-OCT-06 13:03	ND	0.119	0.5



FORM G (TYPE I)  
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET  
SURROGATE SUMMARY

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Client Name..... PSI  
Release Number..... 965-60026  
Matrix..... AIR  
Reporting Units..... ppb v/v

Date Printed..... 19-OCT-06 15:23

DCL Analysis Group: G069L00R  
Analysis Method.... T015

DCL Prep Group..... Not Applicable  
Preparation Method: Not Applicable

QC Limit Type..... Method

Surrogate Recoveries

Surr. ID	4-Bromofluorobenzene											
QC Limits	65.0/135.											
DCL Sample Number	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q
06I41176	19.3	20.0	96.3									
06I41177	19.2	20.0	96.2									
06I41178	19.1	20.0	95.3									
06I41179	18.5	20.0	92.3									
BL-251970-1	19.1	20.0	95.6									
QC-251970-1	20.4	20.0	102.									
QD-251970-1	20.3	20.0	101.									