APPENDIX A: LETTERS OF CORRESPONDENCE (INCLUDING E-MAIL)

APPENDIX A-1. LETTER OF 3/23/2000, LTC DAVID ANDERSON TO W.M. SCHUH, RE: LOCATIONS, USES, AND COMPOSITION OF MUNITIONS AND EXPLOSIVES USED ON THE CGS FACILITY.

OFFICE OF THE ADJUTANT GENERAL DIVISION OF INSTALLATIONS, RESOURCES AND ENVIRONMENTAL NORTH DAKOTA NATIONAL GUARD PO BOX 5511, BISMARCK, ND 58506-5511

AGND-IRE-ENV

23 March 2000

MEMORANDUM FOR Mr. W. M. Schuh, ND State Water Commission, 900 East Boulevard Ave., Dept. 770, Bismarck, ND 58505-0850

SUBJECT: Information regarding pesticides, ammunition and petroleum products at Camp Grafton

1. Reference your memo dated 7 January 2000.

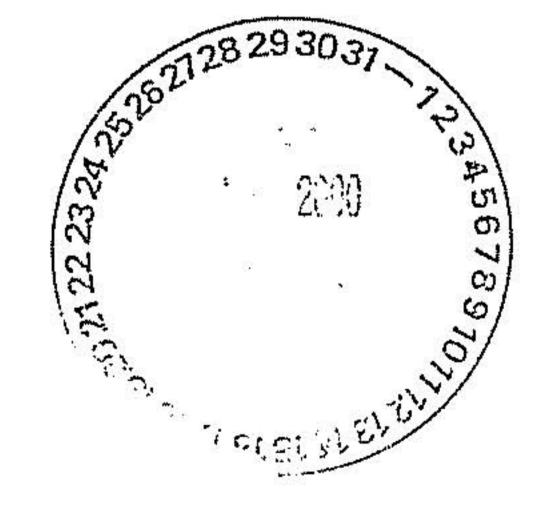
2. Attached you will find information regarding the types of pesticides, petroleum products, ammunition and explosives used by the NDARNG at the Camp Grafton Training Site. Also attached is a map of the training site indicating the range locations.

3. As we discussed on the phone, the use of the pesticides and the petroleum products is generally throughout the training site. The use of some of the munitions, such as blanks, smoke, and simulators would also be used throughout the site. The use of explosives and live ammunition is limited to the ranges marked on the attached map.

4. Please call me at 224-5244 should you have any questions.

DAVID B. ANDERSON LTC, EN, NDARNG Environmental Chief

Encl. as



Munitions:

Туре	Principle Ingredients	Location
5.56mm (ball & blank)	NC	Ball –MRF range
(ball = live ammunition	Graphite	blank - throughout camp
with bullet, fired only on	Nitroglycerin	
ranges)	Ethyl Centralite	
(blank = ammunition	K Sulfate	
without bullet fired	Primer:	
throughout camp)	SB Sulfide	
	BA Nitrate	
	PB Styphnate	
	Tetracene	
	PETN	
	AL powder	
7.62mm	Graphite	MPMG Range
	NA Sulfate	
	CA Carbonate	
	Nitroglycerin	
	Diphenylamine	
	Dibutylphthalate	
	NC	
50 cal	Graphite	MPMG Range
	K Nitrate	
	NA Sulfate	
	CA Carbonate	
	Nitroglycerin	
	Diphenylamine	
	Dibutylphthalate	
	NC	
40mm (practice)	Silica	M203 range
	Basonyl Red	
	Isobenzofurandione	
	Formaldehyde/melamin	
	Tetrachlorozincate	

NOTE:

Key for Range acronyms -

MPMG = Multi Purpose Machine Gun range

MICLIC = Mine Clearing LIne Charge

CPQL = Combat Pistol Qualification range

MRF = Modified Record Fire range

AT4, MK19, M203 = nomenclature for weapons (anti tank, & grenade) which fire only practice (non high-explosive) rounds at the range

Demo range = Demolitions range – location where live explosives are used for training

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Explosives:

Type Dependent Tempede	Principle Ingredients	Location
Bangalor Torpedo	Toluene	Demo range
	Triethylamine	
	Phosphorus	
	Xylene	
	Methyl Ethyl Ketone	
	Lead	
	Nickel	
	Copper	
	Antimony	
	Zinc Compounds	
	Chromium Compounds	
Primacord Detonating	Pentaerythritol Tetranitrate (PETN)	Demo range
Cord	Cyclonite	L'ento range
0014	Cyclotetramethylene Tetranitramine	
	(HMX)	
	Cyclonite	
	2,6-BIS(Picrylamino)-3,5-	
<u></u>	Dinitropyridine (PYX)	
C4	Toluene .	Demo range
INT	2,4,6-trinitrotoluene	Demo range
Cratering Charge	Toluene	Demo range
	Xylene	
	Nickel	
	Lead	
	Cobalt	
	Zinc Compounds	
	Chromium Compounds	
Artillery simulator	Methyl Isobutyl Ketone	Throughout camp
	Methanol	I moughout camp
	K Nitrate	
	S	
	Charcoal	
Smoke grenade		
smoke grenade	Ethylbenzene	Throughout camp
	Cadmium	
	Manganese	
	Chromium	
	Methyl Isobutyl Ketone	
	Methanol	
	Chromium Compound	
	Lead	
	Barium	
laymore Mine	Styrene	Demo Range
12.738	Phosphorus	
	Nickel	
	Chromium	
	Methanol	
	Triethylamine	
	Lead	
	Antimony	
	Zinc compounds	1
	Lead compounds	
S Grenade	O-Chlorobenzylidene Malononitrile	Throughout camp
	Potassium Chlorate	

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Pesticide	Principle Ingredients	Application Method	Location
Tordon 22K Picloram: 4-Amino-3,5,6-trichloropicolinic Acid Potassium salt Polyglycol 26-2		Ground application (Have not used Aerial application since 1997) (Generally applied once every year at selected locations)	Throughout South Camp
2,4 –D	Dimethylamine Salt of 2, 4 –Dichlorophenoxyacetic Acid	Ground (Have not used Aerial application since 1997) (Generally applied once every year at selected locations	Throughout South Camp
Pramitol 25E	2,4-bis(isopropylamino)-6-methoxy-s-triazine	Ground (Selected locations, once every year)	Throughout South Camp
Malathion 55	O,O-Dimethyl phosphorodithioate of diethyl mercapotosuccinate	Ground (Selected locations, bivouac and work sites, with repeated applications – approx 6 applications per site - depending on troop use)	Throughout South Camp

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Petroleum products:

Туре	Principle Ingredients	Location
Diesel Fuel	Naphthalene	Throughout South Camp
	Complex mixture of Paraffinic Olefinic, Naphthenic and Aromatic	
	Hydrocarbons	
Unleaded	Gasoline	Throughout South Camp
Gasoline	Benzene	
Leaded	Gasoline	Throughout South Camp
Gasoline	Benzene	
Motor Oil	Refined heavy Paraffinic Distillates (solvent refined paraffinic petroleum oil) PEL/TLV as Oil Mist	Throughout South Camp
Jet fuel JP-8	2-Methoxyethanol (EGME)	Throughout South Camp

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APPENDIX A-2. E-MAIL COMMUNICTIONS OF 10/31/2001 AND 11/1/01, LOUISE PARKER, USACE, TO W.M. SCHUH, RE: ASSISTANCE IN INTERPRETING DETECTIONS OF MUNITIONS AND EXPLOSIVES RESIDUES IN 2001 SAMPLING

APPENDIX A-2a

From: "Parker, Louise V ERDC-CRREL-NH" <Louise.V.Parker@erdc.usace.army.mil> To: bschuh@swc.state.nd.us Subject: Munitions contaminants Date: Wed, 31 Oct 2001 08:59:42 -0600 MIME-Version: 1.0

Hi Bill,

I thought I would share with you what I have so far. I have searched in two reference books and one DOD data base for the particular components of munitions. I have had trouble gaining access to the DOD database I use most frequently so, it may be a few days before I have the results of that query.

1) Concerning dibutyl phthalate:

According to an "Encyclopedia of Explosives and Related Items", it is used as a solvent for nitroaromatic compounds such as DNT and Dinitroethylbenzene. Is also used to coat nitrocellulose and nitroguanidine propellants. When I queried one of the DOD databases, I found 24 PAGES of munitions listed (with about 20 munitions per page)!

2) Concerning acetone:

When I queried the database, I found 60 munitions listed. These included flares, fuzes, hand grenades (smoke and riot types), anti-personnel mines, signals, and smoke pots.

3) Concerning toluene:

According to the "Encyclopedia of Explosives and Related Items", one of the major uses of toluene is explosives. Toluene is the precursor in the manufacture of DNT and TNT. According to "Hawley's Condensed Chemical Dictionary," it is also used as a diluent and thinner for nitrocellulose and explosives such as TNT.

When I queried the DOD database, I found 78 munitions listed including, fuzes, Fuze bombs, several sizes of projectiles (5". 16", 155 mm), and 2.75" rockets.

4) Concerning carbon disulfide,

I haven't had much luck here so I will have to keep looking. I found it listed in the "Encyclopedia of Explosives and Related Items" but it didn't say what it was used for other than it had been tested as a developmental component for munitions. This reference also claimed that it was quite toxic.

I also found it in the DOD database but the database did not list any munitions that it was a component of (0 matches). Since none of these DOD databases are complete yet, I will try the other one when I can get back into it.

Let me know which chemicals were you interested in maximum contaminant levels and anything else you still have questions on. I will let you know what I find on carbon disulfide when I get access to the other database.

Sincerely,

Louise Parker

APPENDIX A-2b

From: "Parker, Louise V ERDC-CRREL-NH" <Louise.V.Parker@erdc.usace.army.mil> To: bschuh@swc.state.nd.us Subject: Follow up- Munitions contaminants Date: Thu, 1 Nov 2001 08:36:36 -0600 MIME-Version: 1.0

Hi Bill,

Here is what else I have found since I e-mailed you yesterday.

1) Concerning carbon disulfide,

I was able to get into the other DOD database yesterday. It had been a while since I used it and I had forgotten that it is great if you want to know the composition of a particular munition but it does not offer the capability of searching the entire database for component chemicals. After striking out there, I tried another book on explosives analysis and did not find it. So, I asked our most knowledgeable explosives chemist, Dr. Thomas Jenkins, if he had run into it. He said he had not but and he thought he would remember because it is a nasty solvent. I could probably give you some other names outside of CRREL if you still want to pursue this.

2) Concerning methylene chloride,

I forgot to mention in my last e-mail that I found some affiliation with munitions for this chemical also. When I searched the first DOD database, I found 15 matches for it. Munitions that contained it included several signals and smoke grenade launchers and a personnel signal kit.

I hope this has been helpful. Let me know what else I can do to help you.

Sincerely,

Louise Parker

APPENDIX A-3. E-MAIL COMMUNICTION OF 6/24/2002 AND BOB BENSON, USEPA, TO W.M. SCHUH, RE: ESTIMATING A TOXICOLOGICAL STANDARD FOR CARBON DISULFIDE

APPENDIX A-3

Date: Mon, 24 Jun 2002 12:42:31 -0600 From: Benson.Bob@epamail.epa.gov Subject: Re: Citation To: William Schuh <bschuh@water.swc.state.nd.us> MIME-version: 1.0 X-MIMETrack: Serialize by Router on EPAHUB11/USEPA/US(Release 5.0.9a |January 7, 2002) at 06/24/2002 02:42:33 PM

Revise the third sentence to read:

However, Dr. Robert Benson of the USEPA in Denver, has provided an approximation of 700 ug/L as a threshold of toxicological concern, using standard computation procedures for a 70 kg adult consuming 2 liters of water per day, a relative source contribution of 0.2, and an oral reference dose of 0.1 mg/kg-day(Personal Communication, June 24, 2002)

Here is the exact calculation using the standard approach of the Drinking Water Program: Lifetime Health Advisory = RfD x 70 kg x 1 day/2 L x Relative Source Contribution LHA = 0.1 mg/kg-day x 70 kg x 1 day/2 L x 0.2 = 0.7 mg/L or 700 micrograms per liter.

The RfD or 0.1 mg/kg-day is on IRIS (http://www.epa.gov/IRIS the under substance name). The Relative Source Contribution is intended to deal with any additional source of carbon disulfile other than drinking water, such as air, food, and dermal contact.

William Schuh <bschuh@water.swc.s To: Bob Benson/P2/R8/USEPA/US@EPA tate.nd.us> cc: Subject: Citation 06/24/02 12:30 PM

APPENDIX A-4

Correspondance with DATACHEM LABORATORIES concerning sample holding times for munitions and explosives residues in 2006)

-----Original Message-----From: Bill Schuh [mailto:bschuh@state.nd.us] Sent: Wednesday, February 28, 2007 9:05 AM To: Griffiths, Kevin W. Subject: Re:Camp Grafton South Samples

Good Morning Kevin,

Regarding our conversation last Friday on the treatment and handling of water samples for Camp Grafton South and the matter of holding time:

As discussed friday we need a detailed description of the treatment of those samples from receiving to extraction in order to ascertain their value and properly evaluate the results. I need a factual discussion on such matters as temperature and details of storage, and your professional opinion, or that of your chemists would also be helpful.

I need this quickly. I am presently preparing the report, and need to work with it in very short order to complete. I am very busy and cannot put this off.

An e-mail correspondence on the matter would be sufficient.

Please respond to this as soon as possible - hopefully by the end of this week.

Thank You

Bill Schuh

APPENDIX A-4 (Continued)

From: "Griffiths, Kevin W." <griffiths@datachem.com> Date: Wed, 28 Feb 2007 15:47:57 -0700 To: Bill Schuh <bschuh@state.nd.us> Conversation: Camp Grafton South Samples Subject: RE: Camp Grafton South Samples

Mr. Schuh,

We have gone over the data from your September sampling. The samples were received on Friday September 15, the samples were taken (sampled) on September 11 (5 samples), September 12 (7 samples), and September 13 (1 sample). The holding time for the samples requiring Extraction is 7 days on a water to extraction and then 40 days after extraction to the analysis. The set of samples should have been extracted by Monday September 18. Because of some confusion with new log-in personal the samples did not get into our system until the afternoon of September 19. All the samples were extracted on September 20 thus all but one of the samples were over the holding time by 1 or 2 days. The samples being analyzed for Volatiles by method 8260 were all analyzed with-in their holding time. The effected methods were SVOC's by 8270, Explosives by 8330 and PETN/NG by 8332. All of the samples were stored in a cooler at 4C and never exceeded the temperature requirement. The results may be slightly biased low because of the extended time for the extraction, but in reality the results should not have changed much because of the 1 to 2 day excursion of the holding time. DataChem regrets the handling of the samples and the missed holding times. We pride our self in never exceeding the recommended holding times of client samples. Additional training has been done and checks have been put in place to assure that the holding times are not exceeded.

Please contact me if I can answer any other questions.

Kevin W. Griffiths DataChem Laboratories, Inc 960 West LeVoy Drive Salt Lake City, Utah 84123 (801) 904-4302 (801) 268-9992 (Fax) griffiths@datachem.com www.datachem.com

APPENDIX B: MUNITIONS AND EXPLOSIVES RESIDUES

Laboratory results, and case narratives (including of method, analysis, description matrix, general information, method summary, sample preparation, holding times, dilutions, quality control data, instrument ZC, NCC/NCAR, confirmation field analyses, and and laboratory chain of custody).

Includes: Appendix B-1, EPA Method 8260B Appendix B-2, EPA Method 8270C Appendix B-3, EPA Method 8330 Appendix B-4, EPA Method 8332 Appendix B-1, EPA Method 8260B



Case Narrative

Method: 8260B Analysis: VOA Preparation SOP #: NA Analysis SOP#: OV-SW-8260B Rev # 7 Lot/Reference/SDG #: NA DCL Set ID #(s): 06E-0590-01 Client: North Dakota State Water Commission Account #: 8001 Matrix: Water

<u>Analysis / Method :</u> Method 8260B is an EPA SW846 method (DCL SOP OV-SW-8260B Revision 7 - herein referred to as the "method") used in the analysis of water samples for volatile organics by GC/MS purge and trap techniques.

<u>General Set Information</u>: DataChem Laboratories received nine water samples for VOA analysis. All samples were analyzed within fourteen days of collection. Recoveries of target analytes are reported on the sample analysis data sheet in units of $\mu g/L$.

<u>Sample Preparation</u>: This method has no extraction procedure for the water matrix. The sample preparation date is the same as the date of analysis. Five milliliters of water sample was spiked with 2.5 μ L of internal standard/surrogate solution and purged.

Instrument Calibration: The GC/MS was hardware tuned to meet the criteria for a 50 ng purging of 4-bromofluorobenzene as specified in the method. This tune check is valid for 12 hours.

Initial and Continuing Calibration Verification: The five point minimum initial calibration curve which was analyzed prior to sample analysis met the specified criteria in the method. System performance check compounds (SPCC) are checked for a minimum response factor. These compounds are chloromethane (0.100), bromoform (0.100), 1,1-dichloroethane (0.100), chlorobenzene (0.300), and 1,1,2,2-tetrachloroethane (0.300). Response factors for the calibration check compounds (toluene, 1,1-dichloroethene, chloroform, 1,2-dichloropropane, ethylbenzene, and vinyl chloride) from the initial calibration curve are used to calculate percent relative standard deviations (%RSD). For the initial calibration standards, the %RSD for the calibration check compounds (CCC) must be less than 30% and the average %RSD for all spiked compounds must be less than 15%.

A calibration verification standard (CVS) which is used in the validation of the initial calibration was also analyzed prior to sample analysis. The CVS met the method criteria as specified. The response factors of the SPCC's met the minimum criteria as specified in the method. The CCC's were less than 20% difference from the target based on the initial calibration curve.

<u>Method Blank Analysis:</u> Two method blanks (BL-250874-1, -2) were prepared using reagent water spiked with 2.5 μ L of internal standard/surrogate solution and analyzed prior to sample analysis. The blanks were free of volatile organic contaminants within the specifications of the method.

<u>MS / MSD</u> <u>Analysis:</u> Matrix spike and matrix spike duplicate analyses were performed for sample 06E04358 (13102). The MS compounds (consisting of all calibrated compounds of interest) were spiked at a concentration of 50 μ g/L. Only the five compounds required by the method (1,1-dichloroethene, benzene, trichloroethene, toluene, and chlorobenzene) were evaluated for pass/fail criteria. These recoveries met established QC acceptance criteria.

<u>Laboratory Control Sample Analysis:</u> A laboratory control sample (QC-250874-1) was analyzed for this analytical batch. The CVS was generated using a separate source standard and was additionally utilized as the LCS. The LCS compounds (same as the MS/MSD) were spiked at a concentration of 50 μ g/L. All required recoveries met established QC acceptance criteria.

Data Qualifier Codes: A "J" qualifier indicates that the result is greater than the MDL but less than the CRDL or that the value is an estimate based on a relative response factor of one. Analytes found in field samples which also appear in the method blanks are reported with a "B" qualifier in the flag column. An "E" denotes a value reported which exceeds the linear range of the curve.

NC/CAR: Not required.

Miscellaneous Comments: All surrogate recoveries were within established QC limits. Instrument designation is HP5971-L.

Sample Calculations :

Relative Response Factor:

$$\mathbf{RRF} = \begin{bmatrix} \mathbf{A}_{\mathbf{x}} \\ ----- \mathbf{A}_{\mathbf{is}} \end{bmatrix} \begin{bmatrix} \mathbf{C}_{\mathbf{is}} \\ ----- \mathbf{C}_{\mathbf{x}} \end{bmatrix}$$

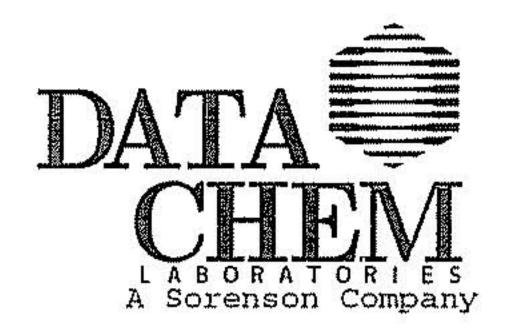
where A_x is the area of the characteristic ion for the compound to be measured, A_{is} is the area of the characteristic ion for the internal standard, C_{is} is the concentration of the internal standard, and C_x is the concentration of the compound to be measured.

Concentration in μ g/L: $C = \begin{bmatrix} (A_x) (I_s) (Df) \\ \hline (A_{is}) (ARF) \end{bmatrix}$

where I_s is the amount of internal standard spiked in $\mu g/L$, **Df** is a dilution factor (1 if no dilutions are made), and **ARF** is the average response factor (assumed to be 1 for non target analytes).

9.26.26

Christopher Q. Coleman



COVER PAGE SEP 27 2006 ANALYTICAL REPORT FOR North Dakota State Water Commission Phone (703) 328-2739 Fax (701) 328-3696 Form COVER-V1.4 09260616334902 Page 1 Page 1

DCL Report Group :: 06E-0590-01

G068L01Z

Date Printed :: 26-SEP-06 16:33

Project Protocol #: P0186001 Client Ref Number : CCS Sampling Release Number : CCS Sampling

Analysis Method(s): 8260B

<u>Client Sample Name</u>	Laboratory <u>Sample Name</u>	Date Sampled	Date <u>Received</u>
Method Blank	BL-250874-1	NA	NA
Method Blank	BL-250874-2	NA	NA
LCS	QC-250874-1	NA	NA
13102	06E04358	11-SEP-06	15-SEP-06
13102	06E04358MS	11-SEP-06	15-SEP-06
13102	06E04358MSD	11-SEP-06	15-SEP-06
FIELD BLANK	06E04359	13-SEP-06	15-SEP-06
13086	06E04360	11-SEP-06	15-SEP-06
13101	06E04362	11-SEP-06	15-SEP-06
13097	06E04366	12-SEP-06	15-SEP-06
13098	06E04367	12-SEP-06	15-SEP-06
RESERVOIR CAMP CROFTON	06E04368	12-SEP-06	15-SEP-06
SOUTH SPRING CAMP CROFTOO	06E04369	12-SEP-06	15-SEP-06
SOUTH SPRING FIELD DUP	06E04370	12-SEP-06	15-SEP-06

North Dakota State Water Commission Attention: W.M. Schuh 900 East Boulevard Bismarck, ND 58505

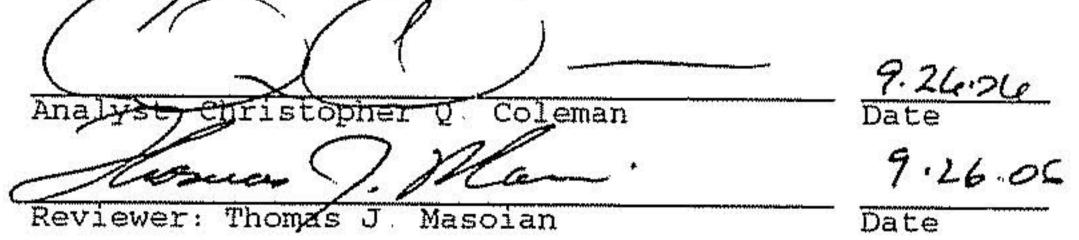


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This report contains

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SAMPLE GROUP COMMENTS



02

DCL Report Group :: 06E-0590-01 Date Printed :: 26-SEP-06 16:33

Client Name ... : North Dakota State Water Commission

Release Number : CCS Sampling

Sample Group Comments

QC and LCS data included in set 06E-0590-01. Surrogate and matrix spike compounds are spiked at 50 ug/L The QC and sample data for this set are within acceptable parameters. The samples were analyzed by GC/MS according to method 8260 (OV-SW-8260B Rev 7)

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

DataChem Laboratories, Inc. is accreditated by the State of Utah, Bureau of Laboratory Improvement under NELAP for specific fields of testing as documented in its current scope of accrediation (ID# DATA1) which is available by request or on the internet at

http://hlunix.hl_state.ut_us/els/labimp/labcertification/labsutahcert.mdb. The quality systems implemented in the laboratory apply to all methods performed by DataChem regardless of this current scope of accreditation which does not include performance based methods, modified methods and methods applied to matrices not listed in the methods.

Report generation options: X

Result Symbol Definitions

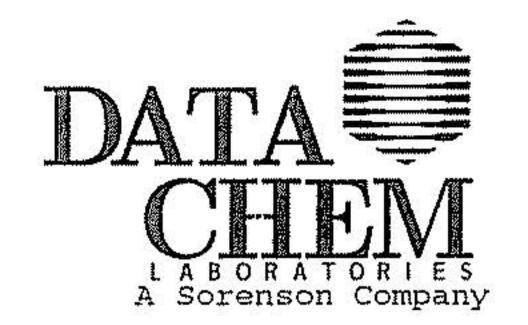
- ND Not Detected above the MDL (LLD or MDC for radiochemistry).
- ** No result could be reported, see sample comments for details

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.



SAMPLE ANALYSIS DATA SHEET



Date Printed. : 26-SEP-06 16:33

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received : 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 Aliquot Weight/Volume: 5.0 mL Net Weight/Volume : Not Required Client Sample Name: 13102 DCL Sample Name : 06E04358 DCL Report Group : 06E-0590-01

Matrix : WATER Date Sampled : 11-SEP-06 00:00 Reporting Units : ug/L Report Basis : XAs Received Dried

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
1,1,1-Trichloroethane	22-SEP-06 14:05	0.144	ND			1	1
1,1,2,2-Tetrachloroethane	22-SEP-06 14:05	0.215	ND			1	1
1,1,2-Trichloroethane	22-SEP-06 14:05	0.724	ND			1	1
1,1-Dichloroethane	22-SEP-06 14:05	0.181	ND			1	1
1,1-Dichloroethene	22-SEP-06 14:05	0.197	ND			1	1
1,2-Dichloroethane	22-SEP-06 14:05	0.131	ND			1	1
1,2-Dichloropropane	22-SEP-06 14:05	0.137	ND			1	1
2-Butanone	22-SEP-06 14:05	3.47	ND			1	5
2-Hexanone	22-SEP-06 14:05	0.719	ND			1	5
4-Methyl-2-Pentanone	22-SEP-06 14:05	0.537	ND			1	5
Acetone	22-SEP-06 14:05	3.43	ND	215. – 12. H. DULANDON 1		1	5
Benzene	22-SEP-06 14:05	0.205	ND			1	1
Bromodichloromethane	22-SEP-06 14:05	0.129	ND			1	1
Bromoform	22-SEP-06 14:05	0.201	ND		a Description (1)	1 1	1
Bromomethane	22-SEP-06 14:05	0.179	ND		20 J.J.	1	1
Carbon Disulfide	22-SEP-06 14:05	0.188	ND			1	1
Carbon Tetrachloride	22-SEP-06 14:05	0.134	ND			1 1	1
Chlorobenzene	22-SEP-06 14:05	0.132	ND			1	1
Chloroethane	22-SEP-06 14:05	0.332	ND			1 1	1
Chloroform	22-SEP-06 14:05	0.0999	ND	11116		1	1
Chloromethane	22-SEP-06 14:05	0.195	ND			1 1	1
Dibromochloromethane	22-SEP-06 14:05	0.152	ND			1	1
Ethylbenzene	22-SEP-06 14:05	0.263	ND			1	1
Methylene Chloride	22-SEP-06 14:05	0.211	ND			1 1	1
Styrene	22-SEP-06 14:05	0.0906	ND	a mana c. c.		1 1	1
Tetrachloroethene	22-SEP-06 14:05	0.147	ND			1 1	1
Toluene	22-SEP-06 14:05	0.479	ND			1 1	1
Trichloroethene	22-SEP-06 14:05	0.163	ND			1	1
Vinyl Chloride	22-SEP-06 14:05	0.148	ND			1	1
cis-1,3-Dichloropropene	22-SEP-06 14:05	0.173	ND			1 1	1
trans-1,3-Dichloropropene	22-SEP-06 14:05	0.0911	ND			1 1	1
cis-1,2-Dichloroethene	22-SEP-06 14:05	0.118	ND			1 1	1
trans-1,2-Dichloroethene	22-SEP-06 14:05	0.148	ND			1 1	1
o-Xylene	22-SEP-06 14:05	0.112	ND			1 1	1
m,p-Xylene	22-SEP-06 14:05	0.199	ND			1	2

03



SAMPLE ANALYSIS DATA SHEET



04

Date Printed : 26-SEP-06 16:33

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received : : 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 Aliquot Weight/Volume: 5 0 mL Net Weight/Volume : Not Required Client Sample Name: FIELD BLANK DCL Sample Name : 06E04359 DCL Report Group : 06E-0590-01

Matrix	: WATER
Date Sampled	: 13-SEP-06 00:00
Reporting Units	: ug/L
Report Basis	: XAs Received []Dried

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

Analytical Results

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	Date	1	1	0010-00-00-05-55200423	99 (E) 200 (1000 (200 (200 (200 (200 (200 (200	ganananan manaka katalah dari dari dari dari dari dari dari dari

Analyte	Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
1,1,1-Trichloroethane	22-SEP-06 14:34	0,144	ND			1 1	1
1,1,2,2-Tetrachloroethane	22-SEP-06 14:34	0.215	ND			1 1	1
1,1,2-Trichloroethane	22-SEP-06 14:34	0.724	ND			1	1
<u>1,1-Dichloroethane</u>	22-SEP-06 14:34	0.181	ND			1 1	1
1,1-Dichloroethene	22-SEP-06 14:34	0.197	ND			1 1	1
1,2-Dichloroethane	22-SEP-06 14:34	0.131	ND			1 1	1
1,2-Dichloropropane	22-SEP-06 14:34	0.137	ND			1 1	1
2-Butanone	22-SEP-06 14:34	3.47	ND			1 1	ς
2-Hexanone	22-SEP-06 14:34	0.719	ND			1 1	5
4-Methyl-2-Pentanone	22-SEP-06 14:34	0.537	ND			7	5
Acetone	22-SEP-06 14:34	3.43	ND			1	5
Benzene	22-SEP-06 14:34	0.205	ND	······································			
Bromodichloromethane	22-SEP-06 14:34	0.129	ND			1 1	<u>+</u>
Bromoform	22-SEP-06 14:34	0.201	ND		·····		<u>-</u>
Bromomethane	22-SEP-06 14:34	0.179	ND		(1999) (1999) (1999)		<u>-</u> 1
Carbon Disulfide	22-SEP-06 14:34	0.188	ND	······		1	<u>.</u>
Carbon Tetrachloride	22-SEP-06 14:34	0.134	ND			1 1	<u>-</u>
Chlorobenzene	22-SEP-06 14:34	0.132	ND			1	<u> </u>
Chloroethane	22-SEP-06 14:34	0.332	ND	·····		1	
Chloroform	22-SEP-06 14:34	0.0999	ND				<u>-</u>
Chloromethane	22-SEP-06 14:34	0.195	ND		······································		<u> </u>
Dibromochloromethane	22-SEP-06 14:34	0.152	ND			1	
Ethylbenzene	22-SEP-06 14:34	0.263	ND		<u>+</u>		 1
Methylene Chloride	22-SEP-06 14:34	0.211	ND			1	<u>.t</u>
Styrene	22-SEP-06 14:34	0.0906	ND				<u>, 4</u>
Tetrachloroethene	22-SEP-06 14:34	0.147	ND			3	<u> </u>
Foluene	22-SEP-06 14:34	0.479	ND		······		<u>↓</u>
Frichloroethene	22-SEP-06 14:34	0.163	ND				<u> </u>
/inyl Chloride	22-SEP-06 14:34	0.148	ND				<u></u>
is-1,3-Dichloropropene	22-SEP-06 14:34	0.173	ND				<u>↓</u>
rans-1,3-Dichloropropene	22-SEP-06 14:34	0.0911	ND				<u>↓</u>
is-1,2-Dichloroethene	22-SEP-06 14:34	0.118	ND				
rans-1,2-Dichloroethene	22-SEP-06 14:34	0.148	ND			<u> </u>	1
-Xylene	22-SEP-06 14:34	0.112	ND			<u> </u>	<u> </u>
ı,p-Xylene	22-SEP-06 14:34	0.199	ND			<u>-</u>	<u>↓</u>



SAMPLE ANALYSIS DATA SHEET



05

Date Printed : 26-SEP-06 16:33

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received : 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 Aliquot Weight/Volume: 5 0 mL Net Weight/Volume : Not Required

Analytical Results

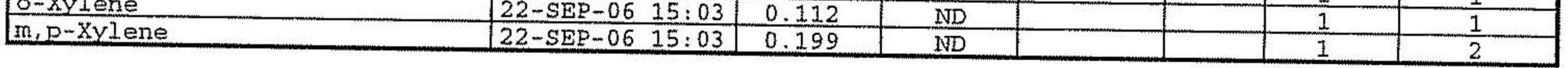
Client Sample Name: 13086 DCL Sample Name : 06E04360 DCL Report Group : 06E-0590-01

Matrix : WATER Date Sampled : 11-SEP-06 00:00 Reporting Units : ug/L Report Basis : XAs Received Dried

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

Date

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CDDT
1,1,1-Trichloroethane	22-SEP-06 15:03	0.144	ND	Offanorite	Yuar,		CRDL
1,1,2,2-Tetrachloroethane	22-SEP-06 15:03	0.215	ND				<u>_</u>
1,1,2-Trichloroethane	22-SEP-06 15:03	0.724	ND				1
1,1-Dichloroethane	22-SEP-06 15:03	0.181	ND				<u>i</u>
1,1-Dichloroethene	22-SEP-06 15:03	0.197	ND	·····		<u></u>	<u>_</u>
1,2-Dichloroethane	22-SEP-06 15:03	0.131	ND	···· ·································			<u>1</u>
1,2-Dichloropropane	22-SEP-06 15:03	0.137	ND			<u>├───</u> ╬────	<u> </u>
2-Butanone	22-SEP-06 15:03	3.47	ND				<u>_</u>
2-Hexanone	22-SEP-06 15:03	0.719	ND				<u> </u>
4-Methyl-2-Pentanone	22-SEP-06 15:03	0.537	ND				<u> </u>
Acetone	22-SEP-06 15:03	3.43	ND				<u> </u>
Benzene	22-SEP-06 15:03	0.205	ND			<u> </u>	5
Bromodichloromethane	22-SEP-06 15:03	0.129	ND				<u> </u>
Bromoform	22-SEP-06 15:03	0.201	ND			<u>↓</u>	<u>_</u>
<u>Bromomethane</u>	22-SEP-06 15:03	0.179	ND			<u>↓</u>	<u>+</u>
Carbon Disulfide	22-SEP-06 15:03	0.188	ND				<u> </u>
Carbon Tetrachloride	22-SEP-06 15:03	0.134	ND				<u>_</u>
Chlorobenzene	22-SEP-06 15:03	0.132	ND			<u>_</u>	<u>⊥</u>
Chloroethane	22-SEP-06 15:03	0.332	ND			<u>_</u>	<u> </u>
Chloroform	22-SEP-06 15:03	0.0999	ND			<u>+</u>	i
Chloromethane	22-SEP-06 15:03	0.195	ND			<u> </u>	1
Dibromochloromethane	22-SEP-06 15:03	0.152	ND			<u> </u>	1
Sthylbenzene	22-SEP-06 15:03	0.263	ND			<u> </u>	<u>‡</u>
Methylene Chloride	22-SEP-06 15:03	0.211	ND			<u> </u>	<u> </u>
Styrene	22-SEP-06 15:03	0.0906	ND				1
etrachloroethene	22-SEP-06 15:03	0.147	ND			<u>_</u>	1
Coluene	22-SEP-06 15:03	0.479	ND			<u>+</u>	1
'richloroethene	22-SEP-06 15:03	0.163	ND			<u>-</u>	
inyl Chloride	22-SEP-06 15:03	0.148	ND			<u> </u>	1
is-1,3-Dichloropropene	22-SEP-06 15:03	0.173	ND			<u> </u>	1
rans-1,3-Dichloropropene	22-SEP-06 15:03	0.0911	ND				1
is-1,2-Dichloroethene	22-SEP-06 15:03	0.118	ND			<u>+</u>	1
rans-1,2-Dichloroethene	22-SEP-06 15:03	0.148	ND ND	·····			1
-Xvlene	22-988 06 15.02		1117	·		l	1



960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 Phone (801) 266-7700 FAX (801) 268-9992 Web Page: www.datachem.com E-mail: lab@datachem.com



SAMPLE ANALYSIS DATA SHEET



Date Printed : 26-SEP-06 16:33

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received : 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 Aliquot Weight/Volume: 5 0 mL Net Weight/Volume : Not Required Client Sample Name: 13101 DCL Sample Name : 06E04362 DCL Report Group : 06E-0590-01

Matrix : WATER Date Sampled : 11-SEP-06 00:00 Reporting Units : ug/L Report Basis : XAs Received Dried

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
1,1,1-Trichloroethane	22-SEP-06 15:32	0.144	ND			1	1
1,1,2,2-Tetrachloroethane	22-SEP-06 15:32	0.215	ND				1
1,1,2-Trichloroethane	22-SEP-06 15:32	0.724	ND		1	1 1	
1,1-Dichloroethane	22-SEP-06 15:32	0.181	ND			1 1	<u>-</u>
<u>l,1-Dichloroethene</u>	22-SEP-06 15:32	0.197	ND				<u>+</u> 1
1,2-Dichloroethane	22-SEP-06 15:32	0.131	ND				<u>+</u> 1
1,2-Dichloropropane	22-SEP-06 15:32	0.137	ND			1 1	<u>+</u> 1
<u>2-Butanone</u>	22-SEP-06 15:32	3.47	ND				<u> </u>
<u>2-Hexanone</u>	22-SEP-06 15:32	0.719	ND				
4-Methyl-2-Pentanone	22-SEP-06 15:32	0.537	ND				<u>5</u>
Acetone	22-SEP-06 15:32	3.43	ND				5
Benzene	22-SEP-06 15:32	0.205	ND				<u>-</u>
Bromodichloromethane	22-SEP-06 15:32	0.129	ND			1	<u>-</u>
Bromoform	22-SEP-06 15:32	0.201	ND	·····			
Bromomethane	22-SEP-06 15:32	0.179	ND				<u></u>
Carbon Disulfide	22-SEP-06 15:32	0.188	ND			7	<u>_</u>
Carbon Tetrachloride	22-SEP-06 15:32	0.134	ND				
Chlorobenzene	22-SEP-06 15:32	0.132	ND				<u></u>
Chloroethane	22-SEP-06 15:32	0.332	ND				<u>4</u>
Chloroform	22-SEP-06 15:32	0.0999	ND				
Chloromethane	22-SEP-06 15:32	0.195	ND		······································		<u>_</u>
Dibromochloromethane	22-SEP-06 15:32	0.152	ND		·····		<u> </u>
Ethylbenzene	22-SEP-06 15:32	0.263	ND				<u> </u>
Methylene Chloride	22-SEP-06 15:32	0.211	ND				<u>↓</u>
Styrene	22-SEP-06 15:32	0.0906	ND				
Tetrachloroethene	22-SEP-06 15:32	0.147	ND				
Foluene	22-SEP-06 15:32	0.479	ND			<u>_</u>	<u>_</u>
Frichloroethene	22-SEP-06 15:32	0.163	ND	····			<u>+</u>
Vinyl Chloride	22-SEP-06 15:32	0.148	ND			<u>_</u>	<u>_</u>
<u>sis-1,3-Dichloropropene</u>	22-SEP-06 15:32	0.173	ND				<u>_</u>
rans-1,3-Dichloropropene	22-SEP-06 15:32	0.0911	ND			<u>_</u>	<u>⊥</u>
<u>sis-1,2-Dichloroethene</u>	22-SEP-06 15:32	0.118	ND			<u> </u>	<u>1</u>
rans-1,2-Dichloroethene	22-SEP-06 15:32	0.148	ND			<u>_</u>	1
-Xylene	22-SEP-06 15:32	0.112				<u> </u>	1
n,p-Xylene	22-SEP-06 15:32	0.199	ND ND				<u>1</u> 2

06



SAMPLE ANALYSIS DATA SHEET



07

Date Printed . : 26-SEP-06 16:33

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received : 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared :: Not Applicable Preparation Method :: 5030 Aliquot Weight/Volume: 5 0 mL Net Weight/Volume :: Not Required Client Sample Name: 13097 DCL Sample Name : 06E04366 DCL Report Group : 06E-0590-01

Matrix : WATER Date Sampled : 12-SEP-06 00:00 Reporting Units : ug/L Report Basis : XAs Received Dried

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

Analytical Results

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Date	1	12	r 2	 [3] 20. (10.10.10.10.10.10.10.10.10.10.10.10.10.1

Analyte	Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
1,1,1-Trichloroethane	22-SEP-06 16:01	0.144	ND			1	1
1,1,2,2-Tetrachloroethane	22-SEP-06 16:01	0.215	ND			1	1
1,1,2-Trichloroethane	22-SEP-06 16:01	0.724	ND			1 1	1
1,1-Dichloroethane	22-SEP-06 16:01	0.181	ND			1	1
1,1-Dichloroethene	22-SEP-06 16:01	0.197	ND	No. 1 Sec. 10		1	1
1,2-Dichloroethane	22-SEP-06 16:01	0.131	ND			1	1
1,2-Dichloropropane	22-SEP-06 16:01	0.137	ND			1	1
2-Butanone	22-SEP-06 16:01	3.47	ND	1444 (A)		1	5
2-Hexanone	22-SEP-06 16:01	0.719	ND			1	5
4-Methyl-2-Pentanone	22-SEP-06 16:01	0.537	ND			1	5
Acetone	22-SEP-06 16:01	3.43	ND			1 1	5
Benzene	22-SEP-06 16:01	0.205	ND			1	1
Bromodichloromethane	22-SEP-06 16:01	0.129	ND			1	1
Bromoform	22-SEP-06 16:01	0.201	ND	annarana sara sa sara - as		1	1
Bromomethane	22-SEP-06 16:01	0.179	ND			1 1	1
Carbon Disulfide	22-SEP-06 16:01	0.188	ND			1 1	1
Carbon Tetrachloride	22-SEP-06 16:01	0.134	ND			1 1	1
Chlorobenzene	22-SEP-06 16:01	0.132	ND			1	1
Chloroethane	22-SEP-06 16:01	0.332	ND			1	1
Chloroform	22-SEP-06 16:01	0.0999	ND			1 1	1
Chloromethane	22-SEP-06 16:01	0.195	ND			1	<u>_</u>
Dibromochloromethane	22-SEP-06 16:01	0.152	ND			1	1
Ethylbenzene	22-SEP-06 16:01	0.263	ND			1	1
Methylene Chloride	22-SEP-06 16:01	0.211	ND			1	1
Styrene	22-SEP-06 16:01	0.0906	ND		ianniisisisis saij. S	1	1
Fetrachloroethene	22-SEP-06 16:01	0.147	ND			1	1
Foluene	22-SEP-06 16:01	0.479	ND			1	1
Frichloroethene	22-SEP-06 16:01	0.163	ND			1	1
Vinyl Chloride	22-SEP-06 16:01	0.148	ND			1	1
cis-1,3-Dichloropropene	22-SEP-06 16:01	0.173	ND			1	1
rans-1,3-Dichloropropene	22-SEP-06 16:01	0.0911	ND			1	
is-1,2-Dichloroethene	22-SEP-06 16:01	0.118	ND				1
rans-1,2-Dichloroethene	22-SEP-06 16:01	0.148	ND				1
o-Xylene	22-SEP-06 16:01	0.112	ND			1 1	1
n,p-Xylene	22-SEP-06 16:01	0.199	ND				2



SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4 09260616334902 Page 8

S068L093

Date Printed : 26-SEP-06 16:33

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received . . . : 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 Aliquot Weight/Volume: 5.0 mL Net Weight/Volume : Not Required Client Sample Name: 13098 DCL Sample Name : 06E04367 DCL Report Group : 06E-0590-01

Matrix : WATER Date Sampled : 12-SEP-06 00:00 Reporting Units : ug/L Report Basis : X As Received Dried

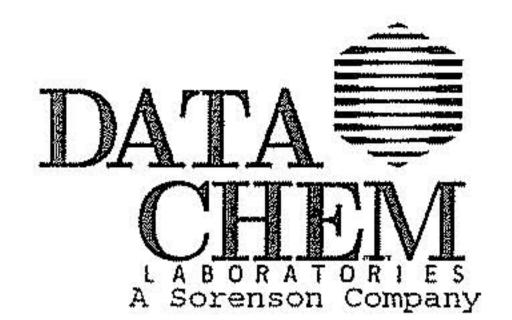
DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 [X] Primary

08

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
1,1,1-Trichloroethane	22-SEP-06 16:30	0.144	ND	outer come		1	1
1,1,2,2-Tetrachloroethane	22-SEP-06 16:30	0.215	ND			1	1
1,1,2-Trichloroethane	22-SEP-06 16:30	0.724	ND			1	1
1,1-Dichloroethane	22-SEP-06 16:30	0.181	ND			1	1
1,1-Dichloroethene	22-SEP-06 16:30	0.197	ND			1	1
1,2-Dichloroethane	22-SEP-06 16:30	0.131	ND			1	1
1,2-Dichloropropane	22-SEP-06 16:30	0.137	ND			1	1
2-Butanone	22-SEP-06 16:30	3.47	ND			1	5
2-Hexanone	22-SEP-06 16:30	0.719	ND		L	1	5
4-Methyl-2-Pentanone	22-SEP-06 16:30	0.537	ND			1	5
Acetone	22-SEP-06 16:30	3.43	ND			1	5
Benzene	22-SEP-06 16:30	0.205	ND			1	1
Bromodichloromethane	22-SEP-06 16:30	0.129	ND			1	1
Bromoform	22-SEP-06 16:30	0.201	ND	1122		1	11
Bromomethane	22-SEP-06 16:30	0.179	ND			1	1
Carbon Disulfide	22-SEP-06 16:30	0.188	ND			1	1
Carbon Tetrachloride	22-SEP-06 16:30	0.134	ND			1	1
Chlorobenzene	22-SEP-06 16:30	0.132	ND			1	1
Chloroethane	22-SEP-06 16:30	0.332	ND			1 1	1
Chloroform	22-SEP-06 16:30	0.0999	ND			1	1
Chloromethane	22-SEP-06 16:30	0.195	ND			1	1
Dibromochloromethane	22-SEP-06 16:30	0.152	ND			1	1
Ethylbenzene	22-SEP-06 16:30	0.263	ND			1	1
Methylene Chloride	22-SEP-06 16:30	0.211	ND			1	1
Styrene	22-SEP-06 16:30	0.0906	ND			1	11
Tetrachloroethene	22-SEP-06 16:30	0.147	ND			1	1
Toluene	22-SEP-06 16:30	0.479	ND			1	1
Trichloroethene	22-SEP-06 16:30	0.163	ND			1 1	1
Vinyl Chloride	22-SEP-06 16:30	0.148	ND			1	1
cis-1,3-Dichloropropene	22-SEP-06 16:30	0.173	ND			1	1
trans-1,3-Dichloropropene	22-SEP-06 16:30	0.0911	ND		200419 - 1-22542 2014	1	1
cis-1,2-Dichloroethene	22-SEP-06 16:30	0.118	ND			1	1
trans-1,2-Dichloroethene	22-SEP-06 16:30	0.148	ND			1	1
o-Xylene	22-SEP-06 16:30	0.112	ND			1	1
m,p-Xylene	22-SEP-06 16:30	0.199	ND			1	2

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SAMPLE ANALYSIS DATA SHEET



Date Printed :: 26-SEP-06 16:33

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received :: 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared :: Not Applicable Preparation Method :: 5030 Aliquot Weight/Volume: 5.0 mL Net Weight/Volume :: Not Required Client Sample Name: RESERVOIR CAMP CROFTON DCL Sample Name : 06E04368 DCL Report Group : 06E-0590-01

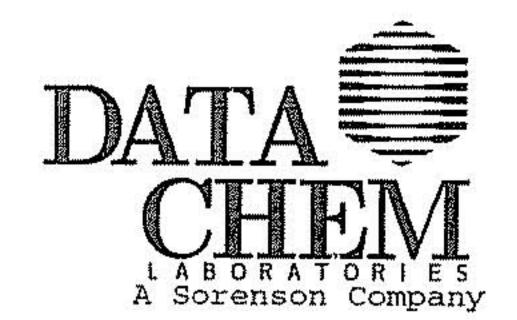
Matrix : WATER Date Sampled : 12-SEP-06 00:00 Reporting Units : ug/L Report Basis : XAs Received Dried

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

Analytical Results

		يسود والمراجع والمحاولة والمحاولة والمحاولة المحاصبة المحاصبة والمحاصبة المحاصبة المحاصبة والمحاط المتعاد المت	
그는 것 같은 것 같	The second secon		
	12 * 0		

Analyte	Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
1,1,1-Trichloroethane	25-SEP-06 14:40	0.144	ND			1 1	1
1,1,2,2-Tetrachloroethane	25-SEP-06 14:40	0.215	ND			1	1
1,1,2-Trichloroethane	25-SEP-06 14:40	0.724	ND			1 1	1
1,1-Dichloroethane	25-SEP-06 14:40	0.181	ND			1 1	1
1,1-Dichloroethene	25-SEP-06 14:40	0.197	ND			1	1
1,2-Dichloroethane	25-SEP-06 14:40	0.131	ND			1	1
1,2-Dichloropropane	25-SEP-06 14:40	0.137	ND			1	1
2-Butanone	25-SEP-06 14:40	3.47	ND			1	5
2-Hexanone	25-SEP-06 14:40	0.719	ND		1	1	5
4-Methyl-2-Pentanone	25-SEP-06 14:40	0.537	ND			1	5
Acetone	25-SEP-06 14:40	3.43	ND			1	5
Benzene	25-SEP-06 14:40	0.205	ND				1
Bromodichloromethane	25-SEP-06 14:40	0.129	ND			1	1
Bromoform	25-SEP-06 14:40	0.201	ND			1	1
Bromomethane	25-SEP-06 14:40	0.179	ND			1 1	1
Carbon Disulfide	25-SEP-06 14:40	0.188	ND			1	1
Carbon Tetrachloride	25-SEP-06 14:40	0.134	ND	i inconstant		1	1
Chlorobenzene	25-SEP-06 14:40	0.132	ND		······	1	1
Chloroethane	25-SEP-06 14:40	0.332	ND			1	
Chloroform	25-SEP-06 14:40	0.0999	ND			1	1
Chloromethane	25-SEP-06 14:40	0.195	ND			1	1
Dibromochloromethane	25-SEP-06 14:40	0.152	ND			1	1
Ethylbenzene	25-SEP-06 14:40	0.263	ND			1	1
Methylene Chloride	25-SEP-06 14:40	0.211	ND			1	7
Styrene	25-SEP-06 14:40	0.0906	ND			1	1
retrachloroethene	25-SEP-06 14:40	0.147	ND			1	1
Foluene	25-SEP-06 14:40	0.479	ND			1	1
Frichloroethene	25-SEP-06 14:40	0.163	ND			1	1
Vinyl Chloride	25-SEP-06 14:40	0.148	ND			7	1
cis-1,3-Dichloropropene	25-SEP-06 14:40	0.173	ND			1	<u>+</u> 1
trans-1,3-Dichloropropene	25-SEP-06 14:40	0.0911	ND			1	1
cis-1,2-Dichloroethene	25-SEP-06 14:40	0.118	ND			1	<u>_</u>
rans-1,2-Dichloroethene	25-SEP-06 14:40	0.148	ND			1	<u>-</u>
>-Xylene	25-SEP-06 14:40	0.112	ND				<u>-</u>
n,p-Xylene	25-SEP-06 14:40	0.199	ND				2



SAMPLE ANALYSIS DATA SHEET



Date Printed : 26-SEP-06 16:33

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received ... : 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 Aliquot Weight/Volume: 5.0 mL Net Weight/Volume : Not Required

Analytical Results

Client Sample Name: SOUTH SPRING CAMP CROFTOO DCL Sample Name : 06E04369 DCL Report Group : 06E-0590-01

Matrix : WATER Date Sampled : 12-SEP-06 00:00 Reporting Units : ug/L Report Basis : XAs Received Dried

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 Mary Confirmation

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
1,1,1-Trichloroethane	25-SEP-06 15:09	0.144	ND			1 1	1
1,1,2,2-Tetrachloroethane	25-SEP-06 15:09	0.215	ND				
1,1,2-Trichloroethane	25-SEP-06 15:09	0.724	ND			1 1	
1,1-Dichloroethane	25-SEP-06 15:09	0.181	ND				<u>_</u>
1,1-Dichloroethene	25-SEP-06 15:09	0.197	ND				1
1,2-Dichloroethane	25-SEP-06 15:09	0.131	ND				
1,2-Dichloropropane	25-SEP-06 15:09	0.137	ND				<u>-</u>
2-Butanone	25-SEP-06 15:09	3.47	ND		·		<u>_</u>
2-Hexanone	25-SEP-06 15:09	0.719	ND				<u>_</u>
<u>4-Methyl-2-Pentanone</u>	25-SEP-06 15:09	0.537	ND				 Ę
Acetone	25-SEP-06 15:09	3.43	ND				5
Benzene	25-SEP-06 15:09	0.205	ND		· · · · · · · · · · · · · · · · · · ·		<u>-</u>
Bromodichloromethane	25-SEP-06 15:09	0.129	ND				<u>-</u>
Bromoform	25-SEP-06 15:09	0.201	ND				
Bromomethane	25-SEP-06 15:09	0.179	ND	······································			
Carbon Disulfide	25-SEP-06 15:09	0.188	ND			1	
Carbon Tetrachloride	25-SEP-06 15:09	0.134	ND			1	<u>⊥</u>
Chlorobenzene	25-SEP-06 15:09	0.132	ND		······································	1	<u>-</u>
Chloroethane	25-SEP-06 15:09	0.332	ND			1	<u>I</u>
Chloroform	25-SEP-06 15:09	0.0999	ND		······	1	<u>⊥</u>
Chloromethane	25-SEP-06 15:09	0.195	ND			1	<u>_</u>
Dibromochloromethane	25-SEP-06 15:09	0.152	ND		· · · · · · · · · · · · · · · · · · ·		
Ethylbenzene	25-SEP-06 15:09	0.263	ND				
Methylene Chloride	25-SEP-06 15:09	0.211	ND				1
Styrene	25-SEP-06 15:09	0.0906	ND			1	<u>4</u>
Tetrachloroethene	25-SEP-06 15:09	0.147	ND				<u></u>
Toluene	25-SEP-06 15:09	0.479	ND				<u>-</u>
Trichloroethene	25-SEP-06 15:09	0.163	ND				<u>↓</u>
Vinyl Chloride	25-SEP-06 15:09	0.148	ND	·····			<u>_</u>
cis-1,3-Dichloropropene	25-SEP-06 15:09	0.173	ND				<u> </u>
trans-1,3-Dichloropropene	25-SEP-06 15:09	0.0911	ND			<u>-</u>	<u> </u>
cis-1,2-Dichloroethene	25-SEP-06 15:09	0.118	ND			<u> </u>	<u> </u>
trans-1,2-Dichloroethene	25-SEP-06 15:09	0.148	ND			<u>↓</u>	<u> </u>
o. Vulopo		0.2.20	1477			<u>L</u>	

o-Xylene	<u>25-SEP-06 15:09</u>	0.112	ND	1 1	1
m,p-Xylene	25-SEP-06 15:09	0.199	ND	1	2

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SAMPLE ANALYSIS DATA SHEET



10

Client Name : North Dakota State Water Commission Client Ref Number : CCS Sampling Sampling Site : 1856 Release Number : CCS Sampling

Date Received. : 15-SEP-06 00:00

DCL Preparation Group: Not Applicable Date Prepared :: Not Applicable Preparation Method :: 5030 Aliquot Weight/Volume: 5 0 mL Net Weight/Volume :: Not Required Client Sample Name: SOUTH SPRING FIELD DUP DCL Sample Name : 06E04370 DCL Report Group : 06E-0590-01

Matrix : WATER Date Sampled : 12-SEP-06 00:00 Reporting Units : ug/L Report Basis : XAs Received Dried

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

Analytical Results

	والمتحديث فالشار فالخاط والمحد والمتنا المطاخ ومحمد والمحارث ومراز تتحديا والمحار والمحد والمتحد والمتحد	ويستحد والمتحد والمتحد والمتحد والمتحد والمتحد والمحاد والمتحد والمحاد والمتحد والمحاد والمحاد والمحاد	
The for a	and a state of the second s	 1 1	A STATE A STATE AND A STATE AN

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
1,1,1-Trichloroethane	25-SEP-06 15:39	0.144	ND			1	1
1,1,2,2-Tetrachloroethane	25-SEP-06 15:39	0.215	ND			1	1
1,1,2-Trichloroethane	25-SEP-06 15:39	0.724	ND		-	1 1	1
1,1-Dichloroethane	25-SEP-06 15:39	0.181	ND			1 1	1
1,1-Dichloroethene	25-SEP-06 15:39	0.197	ND			1	1
1,2-Dichloroethane	25-SEP-06 15:39	0.131	ND			1	1
1,2-Dichloropropane	25-SEP-06 15:39	0.137	ND			1	1
2-Butanone	25-SEP-06 15:39	3.47	ND			1	5
2-Hexanone	25-SEP-06 15:39	0.719	ND			1	5
4-Methyl-2-Pentanone	25-SEP-06 15:39	0.537	ND			1	5
Acetone	25-SEP-06 15:39	3.43	ND			1 1	5
Benzene	25-SEP-06 15:39	0.205	ND			1 1	1
Bromodichloromethane	25-SEP-06 15:39	0.129	ND			1	1
Bromoform	25-SEP-06 15:39	0.201	ND			1 1	1
Bromomethane	25-SEP-06 15:39	0.179	ND			1	1
Carbon Disulfide	25-SEP-06 15:39	0.188	ND			1 1	1
Carbon Tetrachloride	25-SEP-06 15:39	0.134	ND			1 1	1
Chlorobenzene	25-SEP-06 15:39	0.132	ND			1 1	1
Chloroethane	25-SEP-06 15:39	0.332	ND			1 1	1
Chloroform	25-SEP-06 15:39	0.0999	ND	0 m		1 1	1
Chloromethane	25-SEP-06 15:39	0.195	ND			1	1
Dibromochloromethane	25-SEP-06 15:39	0.152	ND		okter mertandarte	1	1
Ethylbenzene	25-SEP-06 15:39	0.263	ND			1 1	1
Methylene Chloride	25-SEP-06 15:39	0.211	ND			1 1	1
Styrene	25-SEP-06 15:39	0.0906	ND			1 1	1
Tetrachloroethene	25-SEP-06 15:39	0.147	ND			1 1	1
Toluene	25-SEP-06 15:39	0.479	ND			1	1
Trichloroethene	25-SEP-06 15:39	0.163	ND			1	1
Vinyl Chloride	25-SEP-06 15:39	0.148	ND			1 1	1
cis-1,3-Dichloropropene	25-SEP-06 15:39	0.173	ND			1	1
trans-1,3-Dichloropropene	25-SEP-06 15:39	0.0911	ND			1	1
cis-1,2-Dichloroethene	25-SEP-06 15:39	0.118	ND			1 1	1
trans-1,2-Dichloroethene	25-SEP-06 15:39	0.148	ND			1	1
o-Xylene	25-SEP-06 15:39	0.112	ND	2 44 9 10 10 40 10 40 A		1	1
m,p-Xylene	25-SEP-06 15:39	0.199	ND			1	2



QUALITY CONTROL DATA SHEET LABORATORY CONTROL SAMPLE (LCS)



11

Client Name : North Dakota State Water Commission Release Number : CCS Sampling

Matrix : WATER Reporting Units : ug/L

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030

Analytical Results

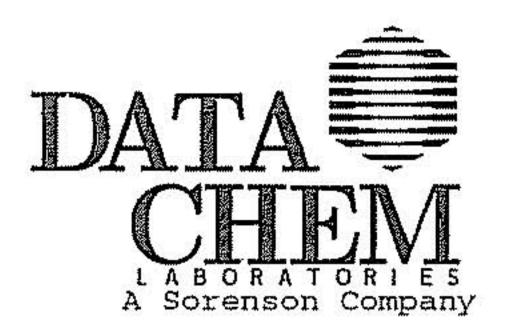
DCL Sample Name : QC-250874-1 Date Printed : 26-SEP-06 16:33

DCL Analysis Group:	G068T01B
Analysis Method:	SW 8260B
Instrument Type :	GC/MS VO
Instrument ID	5971-L
Column Type :	DB 624
	X Primary
	\Box Confirmation

QC Limit Type : Method

Date QC Limits Percent QC Flag Analyte Analyzed Target Result Recovery 1,1,1-Trichloroethane 22-SEP-06 12:37 50.0 51.5 75.0/125. 103. 1,1,2,2-Tetrachloroethane 22-SEP-06 12:37 50.0 44.4 88.7 74.0/125. 1,1,2-Trichloroethane 22-SEP-06 12:37 50.0 75.0/127. 40.3 80.7 1.1-Dicbloroethane 22-SEP-06 12.37 50 0 19 1 98 8 72 0/125

1,1-Dichioroethane	22-SEP-06 12:3/	50.0	49.4	98.8	72.0/125.
1,1-Dichloroethene	22-SEP-06 12:37	50.0	58.7	117.	75.0/125.
1,2-Dichloroethane	22-SEP-06 12:37	50.0	45.9	91.8	68.0/127.
1,2-Dichloropropane	22-SEP-06 12:37	50.0	45.8	91.6	70.0/125.
2-Butanone	22-SEP-06 12:37	50.0	45.6	91.2	50.0/150.
2-Hexanone	22-SEP-06 12:37	50.0	43.1	86.2	50.0/150.
4-Methyl-2-Pentanone	22-SEP-06 12:37	50.0	42.9	85.7	50.0/150.
Acetone	22-SEP-06 12:37	50.0	54.2	108.	50.0/150.
Benzene	22-SEP-06 12:37	50.0	52.6	105.	75.0/125.
Bromodichloromethane	22-SEP-06 12:37	50.0	45.2	90.3	75.0/125.
Bromoform	22-SEP-06 12:37	50.0	45.5	91.1	75.0/125.
Bromomethane	22-SEP-06 12:37	50.0	52.9	105.	72.0/125.
Carbon Disulfide	22-SEP-06 12:37	50.0	57.6	115.	75.0/125.
Carbon Tetrachloride	22-SEP-06 12:37	50.0	52.2	104.	62.0/125.
Chlorobenzene	22-SEP-06 12:37	50.0	50.5	101.	75.0/125.
Chloroethane	22-SEP-06 12:37	50.0	56.9	114.	65.0/125.
Chloroform	22-SEP-06 12:37	50.0	48.5	97.0	74.0/125.
Chloromethane	22-SEP-06 12:37	50.0	54.2	108.	75.0/125.
Dibromochloromethane	22-SEP-06 12:37	50.0	45.5	91.0	73.0/125.
Ethylbenzene	22-SEP-06 12:37	50.0	53.6	107.	75.0/125.
Methylene Chloride	22-SEP-06 12:37	50.0	51.4	103.	75.0/125.
Styrene	22-SEP-06 12:37	50.0	51.0	102.	75.0/125.
Tetrachloroethene	22-SEP-06 12:37	50.0	49.7	99.5	71.0/125.
Toluene	22-SEP-06 12:37	50.0	52.2	104.	74.0/125.
Trichloroethene	22-SEP-06 12:37	50.0	49.1	98.2	71.0/125.
Vinyl Chloride	22-SEP-06 12:37	50.0	51.2	102.	46.0/134.
<u>cis-1,3-Dichloropropene</u>	22-SEP-06 12:37	50.0	46.3	92.6	74.0/125.
trans-1,3-Dichloropropene	22-SEP-06 12:37	50.0	45.4	90.8	66.0/125.
<u>cis-1,2-Dichloroethene</u>	22-SEP-06 12:37	50.0	49.1	98.3	75.0/125.
trans-1,2-Dichloroethene	22-SEP-06 12:37	50.0	53.1	106.	75.0/125.
o-Xylene	22-SEP-06 12:37	50.0	48.8	97.7	75.0/125.
m,p-Xylene	22-SEP-06 12:37	100.	104.	104.	75.0/125.



QUALITY CONTROL DATA SHEET BLANK SAMPLE



Client Name : North Dakota State Water Commission Release Number.: CCS Sampling

Matrix : WATER Reporting Units : ug/L

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 DCL Sample Name : BL-250874-1 Date Printed : 26-SEP-06 16:33

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

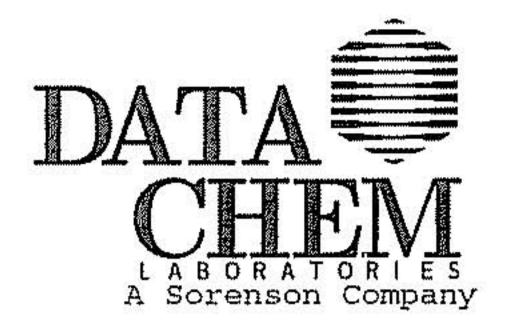
QC Limit Type ... : Method

Date Analyte Analyzed Result MDL CRDL 22-SEP-06 13:35 1,1,1-Trichloroethane ND 0.144 1 1,1,2,2-Tetrachloroethane 22-SEP-06 13:35 0.215 1 ND 22-SEP-06 13:35 1,1,2-Trichloroethane ND 0.724 1 1,1-Dichloroethane 22-SEP-06 13:35 ND 0.181 1 22-SEP-06 13:35 1,1-Dichloroethene 0.197 ND 1

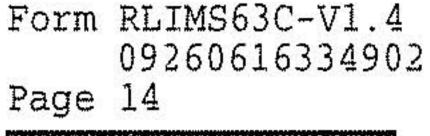
Analytical Results

<i>L, I DICHIOLOGCHENE</i>	22-30F-00 13:55	1417	0.171	
1,2-Dichloroethane	22-SEP-06 13:35	ND	0.131	1
1,2-Dichloropropane	22-SEP-06 13:35	ND	0.137	1
2-Butanone	22-SEP-06 13:35	ND	3.47	5
2-Hexanone	22-SEP-06 13:35	ND	0.719	5
4-Methyl-2-Pentanone	22-SEP-06 13:35	ND	0.537	5
Acetone	22-SEP-06 13:35	ND	3.43	5
Benzene	22-SEP-06 13:35	ND	0.205	1
Bromodichloromethane	22-SEP-06 13:35	ND	0.129	1
Bromoform	22-SEP-06 13:35	ND	0.201	1
Bromomethane	22-SEP-06 13:35	ND	0.179	1
Carbon Disulfide	22-SEP-06 13:35	ND	0.188	1
Carbon Tetrachloride	22-SEP-06 13:35	ND	0.134	1
Chlorobenzene	22-SEP-06 13:35	ND	0.132	1
Chloroethane	22-SEP-06 13:35	ND	0.332	1
Chloroform	22-SEP-06 13:35	ND	0.0999	1
Chloromethane	22-SEP-06 13:35	ND	0.195	i
Dibromochloromethane	22-SEP-06 13:35	ND	0.152	1
Ethylbenzene	22-SEP-06 13:35	ND	0.263	1
Methylene Chloride	22-SEP-06 13:35	ND	0.211	1
Styrene	22-SEP-06 13:35	ND	0.0906	1
Tetrachloroethene	22-SEP-06 13:35	ND	0.147	1
Toluene	22-SEP-06 13:35	ND	0.479	1
Trichloroethene	22-SEP-06 13:35	ND	0.163	1
Vinyl Chloride	22-SEP-06 13:35	ND	0.148	1
cis-1,3-Dichloropropene	22-SEP-06 13:35	ND	0.173	1
trans-1,3-Dichloropropene	22-SEP-06 13:35	ND	0.0911	1
cis-1,2-Dichloroethene	22-SEP-06 13:35	ND	0.118	1
trans-1,2-Dichloroethene	22-SEP-06 13:35	ND	0.148	1
o-Xylene	22-SEP-06 13:35	ND	0.112	1
m,p-Xylene	22-SEP-06 13:35	ND	0.199	2

12



QUALITY CONTROL DATA SHEET BLANK SAMPLE





Client Name : North Dakota State Water Commission Release Number : CCS Sampling

Matrix : WATER Reporting Units : ug/L

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 DCL Sample Name : BL-250874-2 Date Printed : 26-SEP-06 16:33

DCL Analysis Group: G068T01B Analysis Method : 8260B Instrument Type : GC/MS VO Instrument ID : 5971-L Column Type : DB 624 X Primary Confirmation

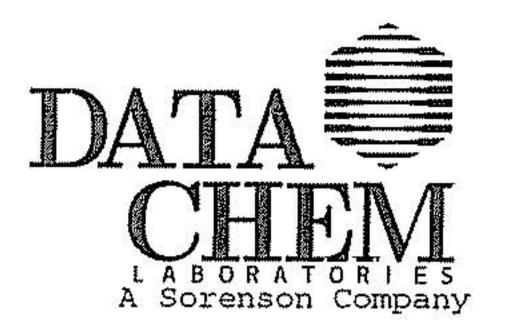
QC Limit Type : Method

Analytical Results

Analyte	Date Analyzed	Result	MDL	CRDL
1,1,1-Trichloroethane	25-SEP-06 14:10	ND	0.144	1
1,1,2,2-Tetrachloroethane	25-SEP-06 14:10	ND	0.215	1
1,1,2-Trichloroethane	25-SEP-06 14:10	ND	0.724	1
1,1-Dichloroethane	25-SEP-06 14:10	ND	0.181	1
1,1-Dichloroethene	25-SEP-06 14:10	ND	0.197	
1,2-Dichloroethane	25-SEP-06 14:10	ND	0.131	1
1,2-Dichloropropane	25-SEP-06 14:10	ND	0.137	· <u>†</u>
2-Butanone	25-SEP-06 14:10	ND	3.47	5
2-Hexanone	25-SEP-06 14:10	ND	0.719	5
4-Methyl-2-Pentanone	25-SEP-06 14:10	ND	0.537	5
Acetone	25-SEP-06 14:10	ND	3.43	5
Benzene	25-SEP-06 14:10	ND	0.205	1
Bromodichloromethane	25-SEP-06 14:10	ND	0.129	1
Bromoform	25-SEP-06 14:10	ND	0.201	<u>+</u> 1
Bromomethane	25-SEP-06 14:10	ND	0.179	<u>+</u> 1
Carbon Disulfide	25-SEP-06 14:10	ND	0.188	<u>+</u> 1
Carbon Tetrachloride	25-SEP-06 14:10	ND	0.134	<u>+</u> 1
Chlorobenzene	25-SEP-06 14:10	ND	0.132	1
Chloroethane	25-SEP-06 14:10	ND	0.332	1
Chloroform	25-SEP-06 14:10	ND	0.0999	<u> 1</u>
Chloromethane	25-SEP-06 14:10	ND	0.195	<u></u>
Dibromochloromethane	25-SEP-06 14:10	ND	0.152	1
Ethylbenzene	25-SEP-06 14:10	ND	0.263	1
Methylene Chloride	25-SEP-06 14:10	ND	0.211	1
Styrene	25-SEP-06 14:10	ND	0.0906	1
Tetrachloroethene	25-SEP-06 14:10	ND	0.147	1
Toluene	25-SEP-06 14:10	ND	0.479	1
Trichloroethene	25-SEP-06 14:10	ND	0.163	1
Vinyl Chloride	25-SEP-06 14:10	ND	0.148	1
cis-1,3-Dichloropropene	25-SEP-06 14:10	ND	0.173	1
trans-1,3-Dichloropropene	25-SEP-06 14:10	ND	0.0911	1
cis-1,2-Dichloroethene	25-SEP-06 14:10	ND	0.118	1
trans-1,2-Dichloroethene	25-SEP-06 14:10	ND	0.148	1
o-Xylene	25-SEP-06 14:10	ND	0.112	1
m,p-Xylene	25-SEP-06 14:10	ND	0.199	2

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QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



14

Client Name	;	North	Dakota	State	Water	Commission
Release Number	:	CCS Sa	ampling			

Matrix : WATER Reporting Units : ug/L

DCL Preparation Group: Not Applicable Date Prepared : Not Applicable Preparation Method : 5030 DCL Sample Name : 06E04358MS Date Printed : 26-SEP-06 16:33

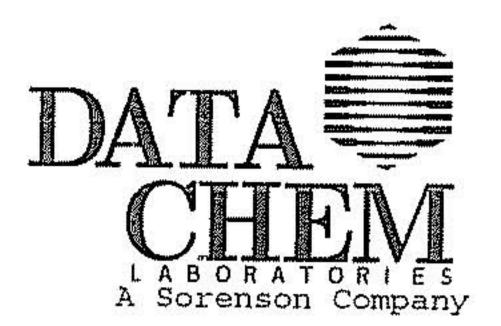
DCL Analysis Group:	G068T01B
Analysis Method . :	SW 8260B
Instrument Type :	GC/MS VO
Instrument ID :	5971-L
Column Type :	DB 624
	X Primary
	\Box Confirmation

QC Limit Type ... : Method

Date Spiked Result Sample Spike Added QC Limits Percent QC Flag Analyte Analyzed Result Recovery 1,1,1-Trichloroethane 25-SEP-06 16:08 ND 49.1 50.0 98.1 75.0/125. 1,1,2,2-Tetrachloroethane 25-SEP-06 16:08 50.1 ND 50.0 74.0/125. 100. 1,1,2-Trichloroethane 25-SEP-06 16:08 45.0 ND 50.0 89.9 75.0/127. 1,1-Dichloroethane 25-SEP-06 16:08 ND 47.4 50.0 72.0/125. 94.8 1,1-Dichloroethene 25-SEP-06 16:08 ND 48.1 50.0 96.3 75 0/125

Analytical Results

		1417	1 40.1	1 50.0	90.3	[/5.0/125.]
1,2-Dichloroethane	25-SEP-06 16:08	ND	48.6	50.0	97.3	68.0/127.
1,2-Dichloropropane	25-SEP-06 16:08	ND	47.8	50.0	95.6	70.0/125.
2-Butanone	25-SEP-06 16:08	ND	44.5	50.0	88.9	50.0/150.
<u>2-Hexanone</u>	25-SEP-06 16:08	ND	44.2	50.0	88.3	50.0/150.
<u>4-Methyl-2-Pentanone</u>	25-SEP-06 16:08	ND	47.5	50.0	94.9	50.0/150.
Acetone	25-SEP-06 16:08	ND	45.7	50.0	91.3	50.0/150.
Benzene	25-SEP-06 16:08	ND	49.2	50.0	98.4	75.0/125.
Bromodichloromethane	25-SEP-06 16:08	ND	47.2	50.0	94.3	75.0/125.
Bromoform	25-SEP-06 16:08	ND	49.4	50.0	98.8	75.0/125.
Bromomethane	25-SEP-06 16:08	ND	44.4	50.0	88.8	72.0/125.
<u>Carbon Disulfide</u>	25-SEP-06 16:08	ND	47.3	50.0	94.6	75.0/125.
<u>Carbon Tetrachloride</u>	25-SEP-06 16:08	ND	49.6	50.0	99.2	62.0/125.
Chlorobenzene	25-SEP-06 16:08	ND	49.2	50.0	98.3	75.0/125.
Chloroethane	25-SEP-06 16:08	ND	50.4	50.0	101.	65.0/125.
Chloroform	25-SEP-06 16:08	ND	49.5	50.0	99.0	74.0/125.
Chloromethane	25-SEP-06 16:08	ND	46.6	50.0	93.3	75.0/125.
Dibromochloromethane	25-SEP-06 16:08	ND	48.2	50.0	96.5	73.0/125.
Ethylbenzene	25-SEP-06 16:08	ND	48.7	50.0	97.5	75.0/125.
Methylene Chloride	25-SEP-06 16:08	ND	47.6	50.0	95.2	75.0/125.
Styrene	25-SEP-06 16:08	ND	47.0	50.0	94.0	75.0/125.
Tetrachloroethene	25-SEP-06 16:08	ND	47.7	50.0	95.5	71.0/125.
Toluene	25-SEP-06 16:08	ND	49.6	50.0	99.2	74.0/125.
Trichloroethene	25-SEP-06 16:08	ND	47.8	50.0	95.5	71.0/125.
Vinyl Chloride	25-SEP-06 16:08	ND	44.9	50.0	89.8	46.0/134.
cis-1,3-Dichloropropene	25-SEP-06 16:08	ND	47.8	50.0	95.5	74.0/125.
trans-1,3-Dichloropropene	25-SEP-06 16:08	ND	48.5	50.0	96.9	66.0/125.
cis-1,2-Dichloroethene	25-SEP-06 16:08	ND	48.3	50.0	96.6	75.0/125.
trans-1,2-Dichloroethene	25-SEP-06 16:08	ND	47.6	50.0	95.2	75.0/125.
o-Xylene	25-SEP-06 16:08	ND	48.0	50.0	96.0	75.0/125.
n,p-Xylene	25-SEP-06 16:08	ND	97.1	100.	97.1	75.0/125.



QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE Form RLIMS63F-V1.4 09260616334902 Page 16

C 1

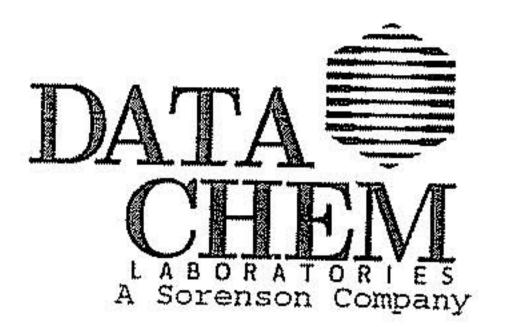
Client Name : North Dakota State Water Commission

DCL Sample Name : 06E04358MSD Date Printed : 26-SEP-06 16:33

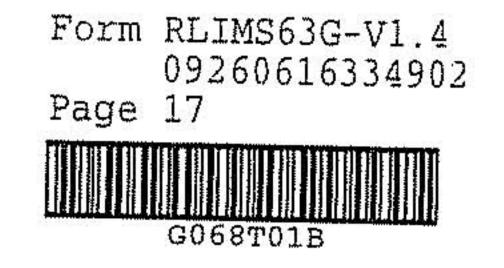
Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	OC Flag
1,1,1-Trichloroethane	25-SEP-06 16:38	50.0	100.	49.6	0.964	1.9	0.00/20.0	1 x x au
1,1,2,2-Tetrachloroethane	25-SEP-06 16:38	51.7	103.	50.9	1.65	3.2	0.00/20.0	
1,1,2-Trichloroethane	25-SEP-06 16:38	46.4	92.8	45.7	1.42	3.1	0.00/20.0	+
<u>1,1-Dichloroethane</u>	25-SEP-06 16:38		97.1	48.0	1.15	2.4		
1,1-Dichloroethene	25-SEP-06 16:38	CONTRACTOR OF CONT	102.	49.6	3.02	6.1	0.00/20.0	
1,2-Dichloroethane	25-SEP-06 16:38		97.6	48.7	0.132	0.27	0.00/20.0	
1,2-Dichloropropane	25-SEP-06 16:38		96.2	48.0	0.289	0.60	0.00/20.0	1
<u>2-Butanone</u>	25-SEP-06 16:38		94.4	45.8	2.74		0.00/20.0	
<u>2-Hexanone</u>	25-SEP-06 16:38		89.4	44.4	0.511	6.0	0.00/20.0	
4-Methyl-2-Pentanone	25-SEP-06 16:38		99.8	48.7	2	1.2	0.00/20.0	
Acetone	25-SEP-06 16:38	With the second s	92.6	46.0	2.46	5.1	0.00/20.0	
Benzene	25-SEP-06 16:38	All and a support of the support of	99.2	49.4	0.650	1.4	0.00/20.0	[
Bromodichloromethane	25-SEP-06 16:38		96.4	49.4	0.400	0.81	0.00/20.0	
Bromoform	25-SEP-06 16:38	Number of the second state	101.		1.02	2.1	0.00/20.0	
Bromomethane	25-SEP-06 16:38		97.0	49.9	0.903	1.8	0.00/20.0	-
Carbon Disulfide	25-SEP-06 16:38		101.	46.5	4.13	8.9	0.00/20.0	
Carbon Tetrachloride	25-SEP-06 16:38		103.	<u>48.9</u>	3.19	6.5	0.00/20.0	
Chlorobenzene	25-SEP-06 16:38		99.8	<u>50.5</u>	1.85	3.7	0.00/20.0	
Chloroethane	25-SEP-06 16:38			<u>49.5</u>	0.764	1.5	0.00/20.0	
Chloroform	25-SEP-06 16:38		<u> 106.</u> 97.0	51.6	2.51	4.9	0.00/20.0	
Chloromethane	25-SEP-06 16:38			49.0	0.976	2.0	0.00/20.0	
Dibromochloromethane	25-SEP-06 16:38		93.0	46.6	101000	0.32	0.00/20.0	
Ethylbenzene	25-SEP-06 16:38	51.2	97.8	48.6	0.691	1.4	0.00/20.0	~~~~
Methylene Chloride	25-SEP-06 16:38	49.9	102.	49.9	2.41	4.8	0.00/20.0	
Styrene	25-SEP-06 16:38	47.3	99.8	48.7	2.32	4.8	0.00/20.0	
l'etrachloroethene	25-SEP-06 16:38	48.9	94.6	47.1		0.66	0.00/20.0	
Coluene	25-SEP-06 16:38	50.5	97.9	48.3	1.20	2.5	0.00/20.0	
Frichloroethene	25-SEP-06 16:38	49.9	101.	50.0	0.867	1.7	0.00/20.0	
Vinyl Chloride	25-SEP-06 16:38	·····	99.9	48.8	2.17	4.4	0.00/20.0	
is-1,3-Dichloropropene	25-SEP-06 16:38	49.4	98.8	47.2	4.52	9.6	0.00/20.0	
rans-1,3-Dichloropropene	25-SEP-06 16:38	48.6	97.1	48.2	0.787	1.6	0.00/20.0	
is-1,2-Dichloroethene	25-SEP-06 16:38	49.0	98.1	48.7	0.555	1.1	0.00/20.0	
rans-1,2-Dichloroethene	25-SEP-06 16:38	48.9	97.9	48.6	0.628	1.3	0.00/20.0	
-Xylene	25-SEP-06 16:38	49.9	99.9	48.8	2.35	4.8	0.00/20.0	
,p-Xylene	25-SEP-06 16:38	48.8	97.5	48.4	0.742	1.5	0.00/20.0	
	12-2-201-00 TO:28	98.4	98.4	97.7	1.28	1.3	0.00/20.0	

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QUALITY CONTROL DATA SHEET SURROGATE SUMMARY



Client Name : North Dakota State Water Commission Release Number : CCS Sampling

Matrix : WATER Reporting Units : ug/L Date Printed : 26-SEP-06 16:33

DCL Analysis Group: G068T01B Analysis Method : SW 8260B

DCL Prep Group : Not Applicable Preparation Method: 5030

QC Limit Type . : Method

<u>Surr. ID</u> QC Limits	1,2-Dichloroethane-d4 62.0/139.			4-Bromo	fluoroben	zene	Dibromofluoromethane			
DCL Sample Number	Analyte Result	Spiked Amount	Rec. 0	Analyte Result	Spiked Amount	Rec. 0	Analyte	5.0/125. Spiked	1 % 1	
06E04358	48.2	50.0	96.5	53.0	50.0		Result	Amount	Rec. (
06E04358MS	47.4	50.0	94.8	48.8		106.	50.7	50.0	101.	
06E04358MSD	48.6	50.0	97.3	49.7	50.0	97.5	50.3	50.0	101.	
06E04359	48.1	50.0	96.1		50.0	99.4	50.7	50.0	101.	
06E04360	47.7	50.0	95.4	51.5	50.0	103.	49.4	50.0	98.8	
06E04362	48.6	50.0		52.6	50.0	105.	50.1	50.0	100.	
06E04366	48.0	50.0	97.1	51.9	50.0	104.	49.2	50.0	98.3	
06E04367	47.8	50.0	96.0	52.5	50.0	105.	50.3	50.0	101.	

Surrogate Recoveries

06E04367	47 0	C		54.5	1 30.0		50.3	50.0	101.
	47.8	50.0	95.7	51.7	50.0	103.	50.2		
06E04368	48.4	50.0	96.8	52.0				50.0	100.
06E04369	47.0				50.0	104.	51.3	50.0	103.
	· · · · · · · · · · · · · · · · · · ·	50.0	94.1	51.3	50.0	103.	50.1	50.0	
D6E04370	47.4	50.0	94.7	51.4	50.0				100.
3L-250874-1	45.0	50.0	90.0			103.	50.5	50.0	101.
3L-250874-2	43.3			52.4	50.0	105.	47.5	50.0	95.0
		50.0	86.6	50.5	50.0	101.	48.6		
<u>)C-250874-1</u>	45.1	50.0	90.2	49.5	50.0			50.0	97.2
					1 50.0	99.1	48.9	50.0	97.8

<u>Surr. ID</u> QC Limits	To	luene-d8							
DCL Sample Number	Analyte Result	5.0/125. Spiked Amount	Rec.Q	Analyte	Spiked	1 8 1	Analyte]	Spiked	
06E04358	47.3	50.0	the second se	Result	Amount	Rec. Q	Result	Amount	Rec.
06E04358MS	48.5	50.0	94.5						
06E04358MSD	49.3	50.0	98.7						
06E04359	47.3	50.0	94.7						
06E04360	48.2	50.0	96.4						
06E04362	47.8	50.0	95.7						
06E04366	47.9	50.0	95.8			4			
06E04367	48.1	50.0	96.1	<u> </u> _		┥──────────────────────			
D6E04368	47.3	50.0	94.5			-			
06E04369	47.5	50.0	95.0		·····				
D6E04370	48.3	50.0	96.7			┨─────┤──┃			
3L-250874-1	48.4	50.0	96.7			<u> </u>			
BL-250874-2	48.0	50.0	96.0			┼───┤─┨			
C-250874-1	49.1	50.0	98.2			┟───┤─┠			

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 Phone (801) 266-7700 FAX (801) 268-9992 E-mail: lab@datachem.com Appendix B-2, EPA Method 8270C



Case Narrative

Method: 8270C Analysis: Semivolatiles by GC/MS DCL SOP ref: OE-SW-3510, OS-SW-8270C DCL Set ID: 06E-0590-02 Client: North Dakota State Water Commission Matrix: Water

General Set Information: There are thirteen field samples in this reporting group plus two sets of MS/MSD.

Method Summary : This is a GC/MS method for determination of semivolatile organic compounds in water according to the SW-846 Guidelines. One liter of sample was spiked with surrogates, extracted by separatory funnel and then concentrated to a final volume of 1.0 mL. The resulting extract is analyzed using a Hewlett Packard model 5973 GC/MS system with an electron impact ionization source and a quadrapole mass-filter detector.

Sample Preparation: All samples were prepared in accordance with method 3510.

Holding Times: All samples were extracted within the method-specified holding time.

Dilution(s): There were no sample dilutions.

Method and Sample QC data: Most samples met surrogate recovery and internal standard area criteria. Sample 06E04358 (13102) had a low recovery of surrogates 2,4,6-tribromophenol and terphenyl-d14. Similar results were observed upon analysis of the matrix spiking of this sample (06E04358MS).

Sample 06E04369 (South spring) is suspected of splash contamination from matrix spiking of nearby samples during the extraction procedure. There were numerous target compounds detected in this sample, all below the practical quantitation limit. Fortunately, this sample was received along with a field duplicate (06E04370; South spring field duplicate), which did not exhibit similar results.

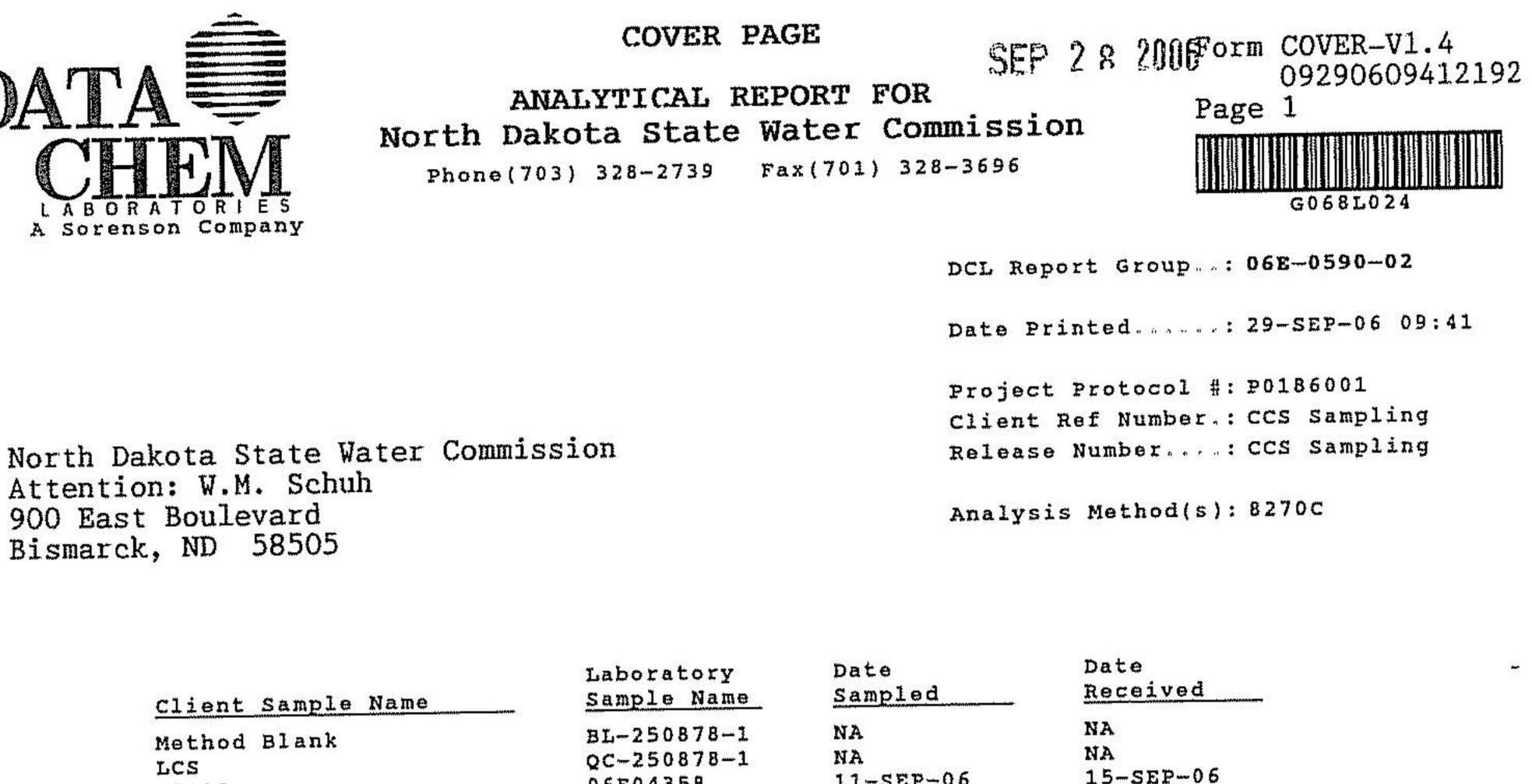
MS/MSD Analysis: Matrix spiking was performed on samples 06E04358 (13102) and 06E04365 (13087). Most recoveries and reproducibilities were within QC limits. 06E04358 had a low recovery of terphenyl-d14, which is similar to the non-matrix spiked analysis of this sample, as mentioned above.

Instrument QC: The instrument was tuned with 50 ng DFTPP. A six-point initial calibration curve was analyzed prior to sample analysis. The concentrations of the standards for most analytes were: 5, 20, 35, 50, 65 and 80 μ g/mL. Five analytes were calibrated from 20-95 ug/mL.

A calibration verification standard at a concentration of 50 ug/mL was analyzed to verify instrument reponse against the initial calibration. The initial calibration and continuing calibration verification passed all method criteria.

Miscellaneous Comments: At the request of North Dakota State Water Commission, up to twenty of the largest non-target compounds are reported as tentatively-identified compounds.

<u>9-28-06</u> Date Jeremy R. Marsigli

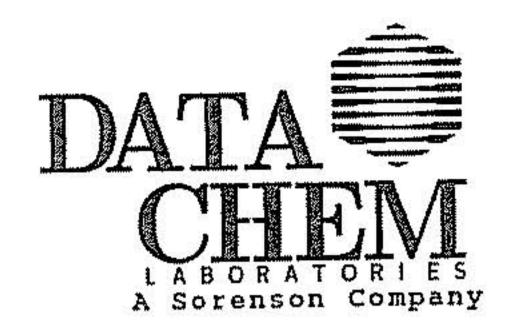


Client Sample Name	Laboratory Sample Name	Date Sampled	Date <u>Received</u>
Method Blank	BL-250878-1	NA	NA
LCS	QC-250878-1	NA	NA
	06E04358	11-SEP-06	15-SEP-06
13102	06E04358MS	11-SEP-06	15-SEP-06
13102	06E04358MSD	11-SEP-06	15-SEP-06
13102	00204330230		15_CEB_06

13102	00204000000		
이 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전 전	06E04373	12-SEP-06	15-SEP-06
13102 FIELD DUP	06E04359	13-SEP-06	15-SEP-06
FIELD BLANK		11-SEP-06	15-SEP-06
13086	06E04360		
13101	06E04362	11-SEP-06	15-SEP-06
	06E04363	11-SEP-06	15-SEP-06
13103	06E04364	11-SEP-06	15-SEP-06
13104			15-SEP-06
13087	06E04365	12-SEP-06	
	06E04365MS	12-SEP-06	15-SEP-06
13087	06E04365MSD	12-SEP-06	15-SEP-06
13087			15-SEP-06
13097 CAMP CROFTON	06E04366	12-SEP-06	
13098	06E04367	12-SEP-06	15-SEP-06
	06E04368	12-SEP-06	15-SEP-06
RESERVOIR			15-SEP-06
SOUTH SPRING	06E04369	12-SEP-06	
SOUTH SPRING FIELD DUP	06E04370	12-SEP-06	15-SEP-06

Date Jeremy R. Marsigli AD vet : 9-29-06 Date Reviewer; Reed A. Hendricks 9-79-58 Date Lab Supervisor: Reed A. Hendricks

Salt Lake City, Utah 84123-2547 960 West LeVoy Drive / Web Page: www.datachem.com Phone (801) 266-7700 E-mail: lab@datachem.com FAX (801) 268-9992



SAMPLE GROUP COMMENTS



1. 1. I. I. I.

DCL Report Group..: 06E-0590-02 Date Printed....: 29-SEP-06 09:41

Client Name....: North Dakota State Water Commission

Release Number: CCS Sampling

Sample Group Comments

X Flag: The gualifier indicates that the analyte is a suspected product of laboratory contamination.

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.

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Report generation options: BX

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.

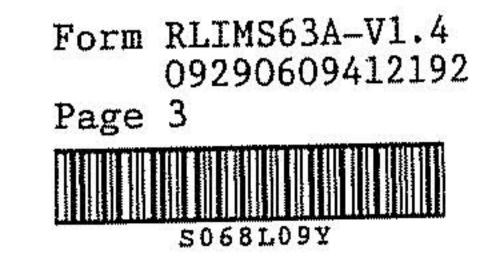
QC Flag Symbol Definitions

Parameter outside of specified QC limits.

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SAMPLE ANALYSIS DATA SHEET



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Date Printed.....: 29-SEP-06 09:41

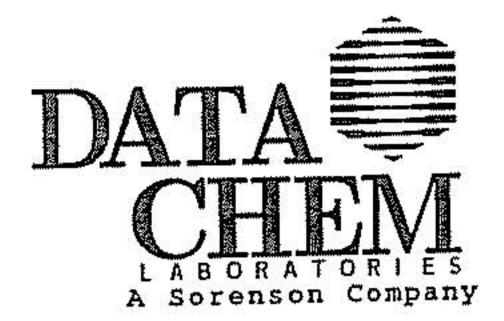
Date Received.....: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared.....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume...: Not Required Client Sample Name: 13102 DCL Sample Name...: 06E04358 DCL Report Group..: 06E-0590-02

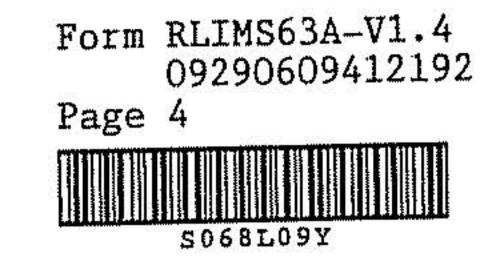
DCL Analysis Group: G068M00M Analysis Method....: 8270C Instrument Type...: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary

Analytical Results

	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	26-SEP-06 18:04	0.381	ND			1	5
Pyridine	26-SEP-06 18:04	0.266	ND			1	<u> </u>
Phenol	26-SEP-06 18:04	0.339	ND			1	<u> </u>
Bis(2-chloroethyl)ether	26-SEP-06 18:04	0.429	ND			1	<u> </u>
2-Chlorophenol	26-SEP-06 18:04	0.290	ND	1		1	5
1,3-Dichlorobenzene	26-SEP-06 18:04	0.379	ND			1	5
1,4-Dichlorobenzene	26-SEP-06 18:04	0.402	ND			1	5
Benzyl Alcohol	26-SEP-06 18:04	0.241	ND			1	5
1,2-Dichlorobenzene	26-SEP-06 18:04		ND	-		<u> </u>	5
2-Methylphenol	26-SEP-06 18:04		ND	1		1	5
Bis(2-chloroisopropyl)ether	26-SEP-06 18:04	0.114	ND			1 1	5
4-Methylphenol	26-SEP-06 18:04		ND			1	5
N-Nitrosodi-n-propyl amine	26-SEP-06 18:04		ND			1	5
Hexachloroethane	26-SEP-06 18:04		ND			1	5
Nitrobenzene	26-SEP-06 18:04		ND			1	5
Isophorone	26-SEP-06 18:04		ND			1	5
2-Nitrophenol	26-SEP-06 18:04		ND			1	5
2,4-Dimethylphenol	26-SEP-06 18:04		ND			1	20
Benzoic acid	26-SEP-06 18:04		ND			1	5
bis(2-Chloroethoxy)methane	26-SEP-06 18:04		ND			1	<u> </u>
2,4-Dichlorophenol			ND			1	5
1,2,4-Trichlorobenzene	26-SEP-06 18:04		ND			1	5
Naphthalene	26-SEP-06 18:04		ND			1	5
4-Chloroaniline	26-SEP-06 18:04		ND			1	5
Hexachlorobutadiene	26-SEP-06 18:04		ND			1	5
4-Chloro-3-methylphenol	26-SEP-06 18:04		ND			1	5
2-Methylnaphthalene	26-SEP-06 18:04	A STATE OF THE REPORT OF THE STATE OF THE REPORT OF THE RE	ND			1	5
Hexachlorocyclopentadiene	26-SEP-06 18:04		ND			1	5
2,4,6-Trichlorophenol	26-SEP-06 18:04					1	5
2,4,5-Trichlorophenol	26-SEP-06 18:04	The second se	ND	·····		1	5
2-Chloronaphthalene	26-SEP-06 18:04		ND			1	5
2-Nitroaniline	26-SEP-06 18:04		ND			1	5
Dimethylphthalate	26-SEP-06 18:04	A set of the set of	ND				5
2,6-Dinitrotoluene	26-SEP-06 18:04		ND			1	5
Acenaphthylene	26-SEP-06 18:04		ND			1 1	5
3-Nitroaniline	26-SEP-06 18:04		ND				5
Acenaphthene	26-SEP-06 18:04		ND				20
2,4-Dinitrophenol	26-SEP-06 18:04		ND				20
4-Nitrophenol	26-SEP-06 18:04		ND				5
	26-SEP-06 18:04	A REAL PROPERTY AND A REAL	ND				
Dibenzofuran	26-SEP-06 18:04		ND			<u> </u>	5
2,4-Dinitrotoluene Diethylphthalate	26-SEP-06 18:04		ND			1	



SAMPLE ANALYSIS DATA SHEET



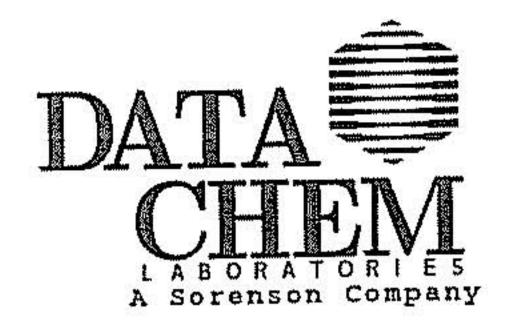
 DCL Sample Name...: 06E04358 DCL Report Group..: 06E-0590-02

Analytical Results

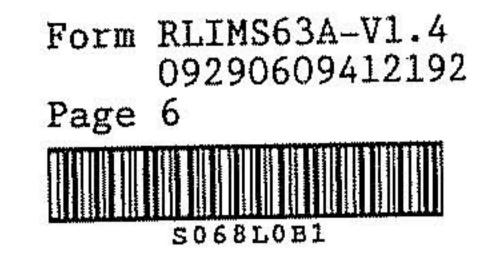
Date	MDL	Result	Comment	Qual.	Dilution	PQL
					1	5
					1	5
					1	5
					1	20
					1 1	5
					1	5
				-	1	5
					1	20
					1	5
					1	5
					1 1	5
					1	5
				_ <u>_</u>		5
						5
					++	5
26-SEP-06 18:04						5
26-SEP-06 18:04	1.55	ND				5
26-SEP-06 18:04	0.335	ND			<u> </u>	5
		ND			<u> </u>	
		ND			<u> </u>	5
		ND				5_
		ND				5
		ND				5
	0.221	ND			1	5
		ND			1	5
		ND			1	5
					1	5
	Analyzed 26-SEP-06 18:04 26-SEP-06 18:	AnalyzedMDL26-SEP-0618:040.39226-SEP-0618:040.26326-SEP-0618:040.26326-SEP-0618:040.64526-SEP-0618:040.64526-SEP-0618:040.39426-SEP-0618:040.25526-SEP-0618:040.25526-SEP-0618:040.41626-SEP-0618:040.33126-SEP-0618:040.32726-SEP-0618:040.32726-SEP-0618:040.44126-SEP-0618:040.44126-SEP-0618:040.44126-SEP-0618:040.33526-SEP-0618:040.33526-SEP-0618:041.5526-SEP-0618:041.5526-SEP-0618:041.5526-SEP-0618:041.3226-SEP-0618:041.3226-SEP-0618:041.3226-SEP-0618:040.26526-SEP-0618:040.26526-SEP-0618:040.26526-SEP-0618:040.26526-SEP-0618:040.272	AnalyzedMDLResult26-SEP-0618:040.392ND26-SEP-0618:040.263ND26-SEP-0618:040.263ND26-SEP-0618:040.645ND26-SEP-0618:040.645ND26-SEP-0618:040.394ND26-SEP-0618:040.255ND26-SEP-0618:040.255ND26-SEP-0618:040.416ND26-SEP-0618:040.331ND26-SEP-0618:040.327ND26-SEP-0618:040.327ND26-SEP-0618:040.515ND26-SEP-0618:040.441ND26-SEP-0618:040.441ND26-SEP-0618:040.4335ND26-SEP-0618:041.55ND26-SEP-0618:041.55ND26-SEP-0618:041.32ND26-SEP-0618:041.32ND26-SEP-0618:041.32ND26-SEP-0618:040.265ND26-SEP-0618:040.265ND26-SEP-0618:040.265ND26-SEP-0618:040.272ND26-SEP-0618:040.272ND26-SEP-0618:040.221ND26-SEP-0618:040.221ND26-SEP-0618:040.407ND	Analyzed MDL Result Comment 26-SEP-06 18:04 0.392 ND	Analyzed MDL Result Comment Qual. 26-SEP-06 18:04 0.392 ND	Analyzed MDL Result Comment Quar. Different 26-SEP-06 18:04 0.392 ND 1 26-SEP-06 18:04 0.363 ND 1 26-SEP-06 18:04 0.263 ND 1 26-SEP-06 18:04 0.263 ND 1 26-SEP-06 18:04 0.263 ND 1 26-SEP-06 18:04 0.645 ND 1 26-SEP-06 18:04 0.645 ND 1 26-SEP-06 18:04 0.394 ND 1 26-SEP-06 18:04 0.255 ND 1 26-SEP-06 18:04 0.31 ND 1 26-SEP-06 18:04 0.327 ND 1 26-SEP-06 18:04 0.807 ND 1 26-SEP-06 18:04 0.515 ND 1 26-SEP-06 18:04 0.441 ND 1 26-SEP-06 <t< td=""></t<>

Tentatively Identified Compound Results

nalyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
olycyclic hydrocarbon(19.01)	26-SEP-06 18:04	9.8		JB	1 1



SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 29-SEP-06 09:41 Client Namession: North Dakota State Water Commission DCL Sample Name ...: 06E04373 DCL Report Group ...: 06E-0590-02

Analytical Results

Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
	0.392	ND			1	5
		ND			1	5
I I	www.www.www.				1	5
			1	an secondaria	1	2.0
					1	5
					1	5
				***	1	S
					1	20
					1	5
					1	5
			·······		1 1	5
		····••••••••••••••••••••••••••••••••••				5
				<u> </u>		<u></u> 5
		····				5
					┥──┤─	5
						5
26-SEP-06 19:39	1.55	ND			_ <u></u>	5
26-SEP-06 19:39	0.335	ND			- <u> </u> <u>+</u>	
26-SEP-06 19:39	0.184	ND			<u>+</u>	5
26-SEP-06 19:39	1.53	ND			<u> </u>	5
	1.32	ND			1	<u> </u>
	0.265	ND				5
	0.272	ND			1	5
	0.221	ND			1	5
		ND			1	5_
		ND			1	5
					1	5
	Analyzed26-SEP-0619:39	AnalyzedMDL26-SEP-0619:390.39226-SEP-0619:390.36326-SEP-0619:390.26326-SEP-0619:390.26326-SEP-0619:390.64526-SEP-0619:390.39426-SEP-0619:390.25526-SEP-0619:390.25526-SEP-0619:390.41626-SEP-0619:390.33126-SEP-0619:390.32726-SEP-0619:390.32726-SEP-0619:390.44126-SEP-0619:390.44126-SEP-0619:390.44126-SEP-0619:390.44126-SEP-0619:390.33526-SEP-0619:391.5526-SEP-0619:391.5526-SEP-0619:391.5526-SEP-0619:391.5326-SEP-0619:391.5326-SEP-0619:391.3226-SEP-0619:391.3226-SEP-0619:390.26526-SEP-0619:390.26526-SEP-0619:390.272	AnalyzedMDLResult26-SEP-0619:390.392ND26-SEP-0619:390.263ND26-SEP-0619:390.263ND26-SEP-0619:390.263ND26-SEP-0619:390.645ND26-SEP-0619:390.394ND26-SEP-0619:390.255ND26-SEP-0619:390.255ND26-SEP-0619:390.416ND26-SEP-0619:390.331ND26-SEP-0619:390.327ND26-SEP-0619:390.327ND26-SEP-0619:390.515ND26-SEP-0619:390.515ND26-SEP-0619:390.441ND26-SEP-0619:391.55ND26-SEP-0619:391.55ND26-SEP-0619:391.55ND26-SEP-0619:391.55ND26-SEP-0619:391.55ND26-SEP-0619:391.32ND26-SEP-0619:391.32ND26-SEP-0619:390.265ND26-SEP-0619:390.265ND26-SEP-0619:390.272ND26-SEP-0619:390.221ND26-SEP-0619:390.221ND26-SEP-0619:390.221ND26-SEP-0619:390.221ND26-SEP-0619:390.407ND <td>Analyzed MDL Result Comment 26-SEP-06 19:39 0.392 ND 26-SEP-06 19:39 0.263 ND 26-SEP-06 19:39 0.263 ND 26-SEP-06 19:39 0.263 ND 26-SEP-06 19:39 0.263 ND 26-SEP-06 19:39 0.645 ND 26-SEP-06 19:39 0.394 ND 26-SEP-06 19:39 0.255 ND 26-SEP-06 19:39 0.416 ND 26-SEP-06 19:39 0.416 ND 26-SEP-06 19:39 0.327 ND 26-SEP-06 19:39 0.515 ND 26-SEP-06 19:39 0.515 ND 26-SEP-06 19:39 0.441 ND 26-SEP-06 19:39 1.55 ND 26-SEP-06 19:39 1.55 ND 26-SEP-06 19:39 1.53 ND 26-SEP-</td> <td>Analyzed MDL Result Comment Quar. 26-SEP-06 19:39 0.392 ND </td> <td>Analyzed MDL Result Comment Quar. Different 26-SEP-06 19:39 0.392 ND 1 1 26-SEP-06 19:39 0.263 ND 1 1 26-SEP-06 19:39 0.263 ND 1 1 26-SEP-06 19:39 0.263 ND 1 1 26-SEP-06 19:39 0.645 ND 1 1 26-SEP-06 19:39 0.645 ND 1 1 26-SEP-06 19:39 0.255 ND 1 1 26-SEP-06 19:39 0.416 ND 1 1 26-SEP-06 19:39 0.327 ND 1 1 26-SEP-06 19:39 0.515 ND 1 1 26-SEP-06 19:39 0.515 ND 1 1 26-SEP-06 19:39 0.441 ND 1 1 26-SEP-06 19:39 0.335</td>	Analyzed MDL Result Comment 26-SEP-06 19:39 0.392 ND 26-SEP-06 19:39 0.263 ND 26-SEP-06 19:39 0.263 ND 26-SEP-06 19:39 0.263 ND 26-SEP-06 19:39 0.263 ND 26-SEP-06 19:39 0.645 ND 26-SEP-06 19:39 0.394 ND 26-SEP-06 19:39 0.255 ND 26-SEP-06 19:39 0.416 ND 26-SEP-06 19:39 0.416 ND 26-SEP-06 19:39 0.327 ND 26-SEP-06 19:39 0.515 ND 26-SEP-06 19:39 0.515 ND 26-SEP-06 19:39 0.441 ND 26-SEP-06 19:39 1.55 ND 26-SEP-06 19:39 1.55 ND 26-SEP-06 19:39 1.53 ND 26-SEP-	Analyzed MDL Result Comment Quar. 26-SEP-06 19:39 0.392 ND	Analyzed MDL Result Comment Quar. Different 26-SEP-06 19:39 0.392 ND 1 1 26-SEP-06 19:39 0.263 ND 1 1 26-SEP-06 19:39 0.263 ND 1 1 26-SEP-06 19:39 0.263 ND 1 1 26-SEP-06 19:39 0.645 ND 1 1 26-SEP-06 19:39 0.645 ND 1 1 26-SEP-06 19:39 0.255 ND 1 1 26-SEP-06 19:39 0.416 ND 1 1 26-SEP-06 19:39 0.327 ND 1 1 26-SEP-06 19:39 0.515 ND 1 1 26-SEP-06 19:39 0.515 ND 1 1 26-SEP-06 19:39 0.441 ND 1 1 26-SEP-06 19:39 0.335

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
Polycyclic hydrocarbon(19.01)	26-SEP-06 19:39	11.		JB	1



SAMPLE ANALYSIS DATA SHEET



Date Printed....: 29-SEP-06 09:41

Date Received....: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared.....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: FIELD BLANK DCL Sample Name...: 06E04359 DCL Report Group..: 06E-0590-02

Matrix......: WATER Date Sampled....: 13-SEP-06 00:00 Reporting Units...: ug/L Report Basis....: XAs Received Dried

DCL Analysis Group: G068M00M Analysis Method...: 8270C Instrument Type...: GC/MS SV Instrument ID....: 5973-Y Column Type...: DB5 30M x .32mm X Primary

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Pyridine	26-SEP-06 20:11	0.381	ND			1	5
Phenol	26-SEP-06 20:11	0.266	ND			1	5
Bis(2-chloroethyl)ether	26-SEP-06 20:11	0.339	ND			1	5
2-Chlorophenol	26-SEP-06 20:11	0.429	ND			1	5
1,3-Dichlorobenzene	26-SEP-06 20:11	0.290	ND		ļ	1	5
1,4-Dichlorobenzene	26-SEP-06 20:11	0.379	ND			1	5
Benzyl Alcohol	26-SEP-06 20:11	0.402	ND			1	5
1,2-Dichlorobenzene	26-SEP-06 20:11	0.241	ND			1	5
2-Methylphenol	26-SEP-06 20:11	0.216	ND			1	5
Bis(2-chloroisopropyl)ether	26-SEP-06 20:11	0.356	ND			1	
4-Methylphenol	26-SEP-06 20:11	0.114	ND			1	5
N-Nitrosodi-n-propyl amine	26-SEP-06 20:11	0.971	ND			1	5
Hexachloroethane	26-SEP-06 20:11	0.272	ND			1	5
Nitrobenzene	26-SEP-06 20:11	0.392	ND			1 1	5
Isophorone	26-SEP-06 20:11	0.415	ND			1	5
2-Nitrophenol	26-SEP-06 20:11	0.457	ND			1	
2,4-Dimethylphenol	26-SEP-06 20:11	0.992	ND			1	5
Benzoic acid	26-SEP-06 20:11	3,19	ND			1	20
bis(2-Chloroethoxy)methane	26-SEP-06 20:11	0.427	ND			1	5
2,4-Dichlorophenol	26-SEP-05 20:11	0.361	ND			1	5
1,2,4-Trichlorobenzene	26-SEP-06 20:11	0.337	ND			1	5
Naphthalene	26-SEP-06 20:11	0.660	ND	2		1	5
4-Chloroaniline	26-SEP-06 20:11	0.249	ND '			1	5
Hexachlorobutadiene	26-SEP-06 20:11		ND			1	5
4-Chloro-3-methylphenol	26-SEP-06 20:11	0.337	ND			1	5
2-Methylnaphthalene	26-SEP-06 20:11		ND			1	5
	26-SEP-06 20:11		ND			1	5
Hexachlorocyclopentadiene	26-SEP-06 20:11	0.299	ND			1	5
2,4,6-Trichlorophenol	26-SEP-06 20:11		ND			1	5
2,4,5-Trichlorophenol	26-SEP-06 20:11	0.367	ND			1	5
2-Chloronaphthalene	26-SEP-06 20:11		ND			1	5
2-Nitroaniline	26-SEP-06 20:11		ND			1 1	5
Dimethylphthalate	26-SEP-06 20:11		ND			1 1	5
2,6-Dinitrotoluene	26-SEP-06 20:11 26-SEP-06 20:11		ND			1 1	5
Acenaphthylene			ND			1	5
3-Nitroaniline	26-SEP-06 20:11		ND		+		5
Acenaphthene	26-SEP-06 20:11						20
2,4-Dinitrophenol	26-SEP-06 20:11		ND			- <u> </u>	20
4-Nitrophenol	26-SEP-06 20:11		ND				5
Dibenzofuran	26-SEP-06 20:11		ND ND				5
2,4-Dinitrotoluene	26-SEP-06 20:11		ND				
Diethylphthalate	26-SEP-06 20:11	0.435	ND				<u>;</u>



Form RLIMS63A-V1.4 09290609412192 Page 8

SAMPLE ANALYSIS DATA SHEET

Date Printed......: 29-SEP-06 09:41 Client Namessants...: North Dakota State Water Commission DCL

DCL Sample Name ...: 06E04359 DCL Report Group ...: 06E-0590-02

Analytical Results

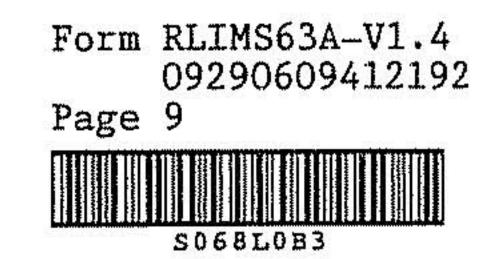
	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	26-SEP-06 20:11	0.392	ND			1	5
4-Chlorophenyl phenyl ether	26-SEP-06 20:11	0.363	ND			1	5
Fluorene	26-SEP-06 20:11	0.263	ND		n an	1 1	5
4-Nitroaniline	26-SEP-06 20:11	2.28	ND			1	20
4,6-Dinitro-2-methylphenol	26-SEP-06 20:11	0.645	ND			1	5
N-nitrosodiphenylamine		0.394	ND			1	5
4-Bromophenyl Phenyl Ether	26-SEP-06 20:11	0.255	ND		<u> </u>	1	5
Hexachlorobenzene	26-SEP-06 20:11		ND			1	20
Pentachlorophenol	26-SEP-06 20:11	1.66	ND			1 1	5
Phenanthrene	26-SEP-06 20:11	0.416		·		1	5
Anthracene	26-SEP-06 20:11	0.331	ND		1	1	5
Carbazole	26-SEP-06 20:11	0.327	ND		-	1 1	5
Di-n-butylphthalate	26-SEP-06 20:11	0.807	ND			1 1	5
Fluoranthene	26-SEP-06 20:11	0.515	ND				5
Pyrene	26-SEP-06 20:11	0.441	ND				5
Butylbenzylphthalate	26-SEP-06 20:11	4.01	ND				5
3,3'-Dichlorobenzidine	26-SEP-06 20:11	1.55	ND				<u>_</u>
Benzo(a)anthracene	26-SEP-06 20:11	0.335	ND				
Chrysene	26-SEP-06 20:11	0.184	ND			<u> </u>	<u> </u>
Bis(2-ethylhexyl)phthalate	26-SEP-06 20:11	1.53	ND			_ 	5
Di-n-octylphthalate	26-SEP-06 20:11	1.32	ND			<u> </u>	<u>5</u>
Benzo(b)fluoranthene	26-SEP-06 20:11	0.265	ND				<u> </u>
Benzo(k)fluoranthene	26-SEP-06 20:11	0.272	ND				<u> </u>
Benzo(a)pyrene	26-SEP-06 20:11	0.221	ND		_	<u> </u>	5
Indeno(1,2,3-c,d)pyrene	26-SEP-06 20:11	0.412	ND				5
	26-SEP-06 20:11	0.407	ND			1	5
Dibenz(a,h)Anthracene Benzo(g,h,i)perylene	26-SEP-06 20:11		ND			1 1	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
Polycyclic hydrocarbon(19.02)	26-SEP-06 20:11	10.		JB	11



SAMPLE ANALYSIS DATA SHEET



Date Printed....: 29-SEP-06 09:41

Client Name....: North Dakota State Water Commission Client Ref Number...: CCS Sampling Sampling Site...: 1856 Release Number...: CCS Sampling

Date Received: 15-SEP-06 00:00

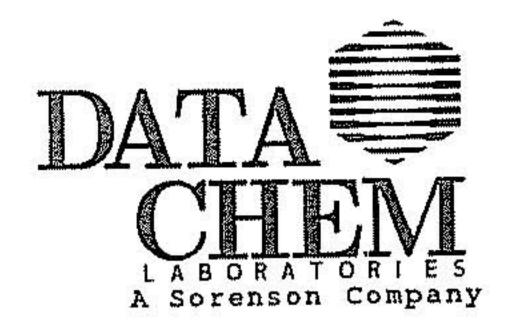
DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: 13086 DCL Sample Name...: 06E04360 DCL Report Group..: 06E-0590-02

DCL Analysis Group: G068M00M Analysis Method...: 8270C Instrument Type...: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary Confirmation

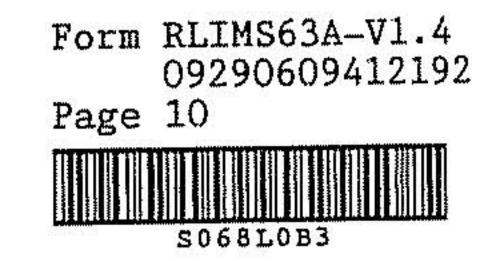
Analytical Results

			ANALYSIAN T MIL	الالداد مشقاط اخترار ومستعاد بالمتقد	*******	College and a summer		the second se	
Date	 A STATE OF CONTRACTOR AND AND AND AND AND AND AND AND AND AND			1	1			1 1	£1 –
Date		10553665			i	126726332	s 14 - 3	1 000000000 F	£

Analyte	Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Pyridine	26-SEP-06 20:44	0.381	ND		[1	5
Phenol	26-SEP-06 20:44	0.266	ND		1	1	5
Bis(2-chloroethyl)ether	26-SEP-06 20:44	0.339	ND			1	5
2-Chlorophenol	26-SEP-06 20:44	0.429	ND			1	5
1,3-Dichlorobenzene	26-SEP-06 20:44	0.290	ND			1	5
1,4-Dichlorobenzene	26-SEP-06 20:44	0.379	ND			1	5
Benzyl Alcohol	26-SEP-06 20:44	0.402	ND			1	5
1,2-Dichlorobenzene	26-SEP-06 20:44	0.241	ND			1	5
2-Methylphenol	26-SEP-06 20:44	0.216	ND			1	5
Bis(2-chloroisopropyl)ether	26-SEP-06 20:44	0.356	ND			1	5
4-Methylphenol	26-SEP-06 20:44	0.114	ND			1	5
N-Nitrosodi-n-propyl amine	26-SEP-06 20:44	0.971	ND			1	5
Hexachloroethane	26-SEP-06 20:44	0.272	ND			1	5
Nitrobenzene	26-SEP-06 20:44	0,392	ND			1	5
Isophorone	26-SEP-06 20:44	0.415	ND			1	5
2-Nitrophenol	26-SEP-06 20:44	0.457	ND			1	5
2,4-Dimethylphenol	26-SEP-06 20:44	0.992	ND			1	5
Benzoic acid	26-SEP-06 20:44	3.19	ND			1	20
ois(2-Chloroethoxy)methane	26-SEP-06 20:44	0.427	ND			1	5
2,4-Dichlorophenol	26-SEP-06 20:44	0.361	ND			1	5
1,2,4-Trichlorobenzene	26-SEP-06 20:44	0.337	ND			1	5
Naphthalene	26-SEP-06 20:44	0.660	ND			1	5
4-Chloroaniline	26-SEP-06 20:44	0.249	ND			1	5
Hexachlorobutadiene	26-SEP-06 20:44	0.353	ND			1	5
4-Chloro-3-methylphenol	26-SEP-06 20:44	0.337	ND			1	5
2-Methylnaphthalene	26-SEP-06 20:44	0.505	ND			1	5
Hexachlorocyclopentadiene	26-SEP-06 20:44	0.266	ND			1	5
2,4,6-Trichlorophenol	26-SEP-06 20:44	0.299	ND			1	5
2,4,5-Trichlorophenol	26-SEP-06 20:44	0.225	ND			1	5
2-Chloronaphthalene	26-SEP-06 20:44	0.367	ND			1	5
2-Nitroaniline	26-SEP-06 20:44	0.361	ND			1	5
Dimethylphthalate	26-SEP-06 20:44	0.346	ND			1	5
2,6-Dinitrotoluene	26-SEP-06 20:44	0.552	ND			1	5
Acenaphthylene	26-SEP-06 20:44		ND			1	5
3-Nitroaniline	26-SEP-06 20:44		ND			1 1	5
Acenaphthene	26-SEP-06 20:44		ND			1	5
2,4-Dinitrophenol	26-SEP-06 20:44	2.57	ND			1	20
4-Nitrophenol	26-SEP-06 20:44	2.00	ND			1	20
Dibenzofuran	26-SEP-06 20:44		ND	1	1	1 1	5
2,4-Dinitrotoluene	26-SEP-06 20:44	0.328	ND	1	1	1	5
Diethylphthalate	26-SEP-06 20:44		ND			1	5



SAMPLE ANALYSIS DATA SHEET



*** **

Date Printed.....: 29-SEP-06 09:41 Client Namessans: North Dakota State Water Commission DCL Sample Namess: 06E04360 DCL Report Groups: 06E-0590-02

Analytical Results

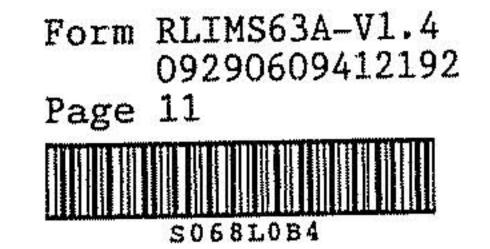
	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	26-SEP-06 20:44	0.392	ND				5
4-Chlorophenyl phenyl ether	26-SEP-06 20:44	0.363	ND			1	5
Fluorene	26-SEP-06 20:44	0.263	ND			1	5
4-Nitroaniline	26-SEP-06 20:44	2.28	ND			1	20
4,6-Dinitro-2-methylphenol	26-SEP-06 20:44	0.645	ND		n and a substant	1	5
N-nitrosodiphenylamine	26-SEP-06 20:44	0.394	ND			1	5
4-Bromophenyl Phenyl Ether	26-SEP-06 20:44	0.255	ND		2	1 1	5
<u>Hexachlorobenzene</u>	26-SEP-06 20:44	1.66	ND			1	20
Pentachlorophenol	26-SEP-06 20:44	0.416	ND			1	5
Phenanthrene	26-SEP-06 20:44	0.331	ND	1		1	5
Anthracene	26-SEP-06 20:44	0.327	ND			1	5
Carbazole	26-SEP-06 20:44	0.807	ND			1	5
Di-n-butylphthalate	26-SEP-06 20:44	0.515	ND			1	5
Fluoranthene	26-SEP-06 20:44	0.441	ND			1	5
Pyrene		4.01	ND			1	5
Butylbenzylphthalate	26-SEP-06 20:44	1.55	ND			1	5
3,3'-Dichlorobenzidine	26-SEP-06 20:44	0.335	ND			1 1	5
Benzo(a)anthracene	26-SEP-06 20:44		ND			1	5
Chrysene	26-SEP-06 20:44	0.184				1 1	5
Bis(2-ethylhexyl)phthalate	26-SEP-06 20:44		ND			1	5
Di-n-octylphthalate	26-SEP-06 20:44	1.32	ND				5
Benzo(b)fluoranthene	26-SEP-06 20:44	0.265	ND				5
Benzo(k)fluoranthene	26-SEP-06 20:44		ND				5
Benzo(a)pyrene	26-SEP-06 20:44		ND			+ +	5
Indeno(1,2,3-c,d)pyrene	26-SEP-06 20:44	0.412	ND				5
Dibenz(a,h)Anthracene	26-SEP-06 20:44		ND		····		
Benzo(g,h,i)perylene	26-SEP-06 20:44	0.446	ND				لي معتبدين ومعد معد

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution 1
Polycyclic hydrocarbon(19.02)	26-SEP-06 20:44	15.		JB	
Polycyclic hydrocarbon(24.45)	26-SEP-06 20:44	6.0]	<u> </u>	1



SAMPLE ANALYSIS DATA SHEET



Date Printed.: 29-SEP-06 09:41

Client Name......: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site.....: 1856 Release Number.....: CCS Sampling

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Date Received. ....: 15-SEP-06 00:00
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DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: 13101 DCL Sample Name...: 06E04362 DCL Report Group..: 06E-0590-02

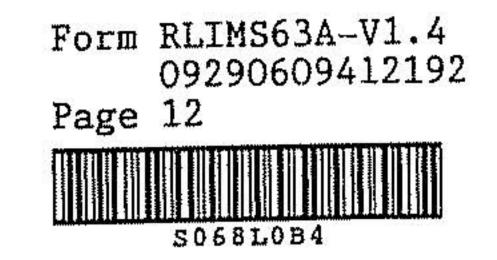
DCL Analysis Group: G068M00M Analysis Method ...: 8270C Instrument Type ...: GC/MS SV Instrument ID: 5973-Y Column Type: DB5 30M x .32mm X Primary

Analytical Results

Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
26-SEP-06 21:16	0.381	ND			1 1	5
26-SEP-06 21:16	0.266	ND			+	<u> </u>
26-SEP-06 21:16	0.339	ND		<u> </u>	<u> </u>	5
26-SEP-06 21:16	0.429	ND	1		<u> </u>	5
26-SEP-06 21:16	0.290	ND			1	5
26-SEP-06 21:16	0.379	ND	<u></u>	<u> </u>	1	5
26-SEP-06 21:16	0.402	ND				5
26-SEP-06 21:16	0.241	ND				5
26-SEP-06 21:16	0.216	ND			1 1	5
26-SEP-06 21:16	0.356	ND			1 1	5
26-SEP-06 21:16	0.114	ND				<u> </u>
26-SEP-06 21:16	0.971	ND			<u> </u>	5
26-SEP-06 21:16	0.272	ND	<u> </u>	<u> </u>		5
26-SEP-06 21:16	0.392	ND			1 1	<u> </u>
		ND				5
		ND			1	
		ND				5
		ND				20
		ND			1	5
		ND	1		1	5
		ND			1	5
		ND				5_
		ND			<u> </u>	5
		ND			1	5
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					1	5
					1	5
	Analyzed 26-SEP-06 21:16 26-SEP-06 21:16 26-SEP-06 21:16 26-SEP-06 21:16 26-SEP-06 21:16 26-SEP-06 21:	AnalyzedMDL26-SEP-0621:160.38126-SEP-0621:160.26626-SEP-0621:160.42926-SEP-0621:160.42926-SEP-0621:160.37926-SEP-0621:160.40226-SEP-0621:160.24126-SEP-0621:160.21626-SEP-0621:160.35626-SEP-0621:160.35626-SEP-0621:160.35626-SEP-0621:160.41526-SEP-0621:160.41526-SEP-0621:160.41526-SEP-0621:160.45726-SEP-0621:160.45726-SEP-0621:160.42726-SEP-0621:160.39226-SEP-0621:160.36126-SEP-0621:160.33726-SEP-0621:160.33726-SEP-0621:160.33726-SEP-0621:160.34126-SEP-0621:160.34126-SEP-0621:160.42726-SEP-0621:160.34126-SEP-0621:160.34126-SEP-0621:160.34126-SEP-0621:160.34126-SEP-0621:160.34126-SEP-0621:160.34126-SEP-0621:160.34126-SEP-0621:160.34126-SEP-0621:160.341	Analyzed MDL Result 26-SEP-06 21:16 0.381 ND 26-SEP-06 21:16 0.266 ND 26-SEP-06 21:16 0.429 ND 26-SEP-06 21:16 0.429 ND 26-SEP-06 21:16 0.402 ND 26-SEP-06 21:16 0.414 ND 26-SEP-06 21:16 0.415 ND 26-SEP-06 21:16 0.415 ND 26-SEP-06 21:16 0.415 ND 26-SEP-06 21:16 0.337 ND 26-SEP-06 21	Analyzed MDL Result Comment 26-SEP-06 21:16 0.381 ND	Analyzed MDL Result Comment QUAL 26-SEF-06 21:16 0.381 ND	Analyzed MDL Result Comment QUAI. Different 26-SEP-06 21:16 0.381 ND 1 26-SEP-06 21:16 0.339 ND 1 26-SEP-06 21:16 0.429 ND 1 26-SEP-06 21:16 0.429 ND 1 26-SEP-06 21:16 0.200 ND 1 26-SEP-06 21:16 0.241 ND 1 26-SEP-06 21:16 0.241 ND 1 26-SEP-06 21:16 0.356 ND 1 26-SEP-06 21:16 0.114 ND 1 26-SEP-06 21:16 0.392 ND 1 26-SEP-06 21:16 0.415 ND 1 26-SEP-06 21:16 0.457 ND 1 26-SEP-06 21:16 0.457 ND 1 26-SEP-06 21:16 0.361 ND 1 26-SEP-06 <



SAMPLE ANALYSIS DATA SHEET



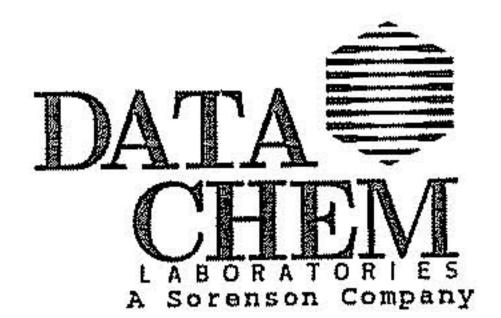
Date Printed.....: 29-SEP-06 09:41 Client Namessans: North Dakota State Water Commission DCL Sample Name ...: 06E04362 DCL Report Group ...: 06E-0590-02

Analytical Results

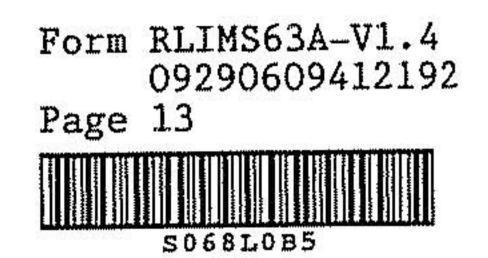
	Date Analyzed	MDL	Result	Comment	Qual:	Dilution	PQL
Analyte	26-SEP-06 21:16	0.392	ND			1	5
4-Chlorophenyl phenyl ether	26-SEP-06 21:16	0.363	ND			1	5
Fluorene		0.263	ND			1	5
4-Nitroaniline	26-SEP-06 21:16	2.28	ND			1	20
4,6-Dinitro-2-methylphenol	26-SEP-06 21:16		ND	1		1	5
N-nitrosodiphenylamine	26-SEP-06 21:16	0.645				1	5
4-Bromophenyl Phenyl Ether	26-SEP-06 21:16	0.394	ND			1	5
Hexachlorobenzene	26-SEP-06 21:16	0.255	ND	<u></u>		1 1	20
Pentachlorophenol	26-SEP-06 21:16	1.66	ND	1		1 1	5
Phenanthrene	26-SEP-06 21:16	0.416	ND				5
Anthracene	26-SEP-06 21:16	0.331	ND				5
Carbazole	26-SEP-06 21:16	0.327	ND	<u> </u>			5
Di-n-butylphthalate	26-SEP-06 21:16	0.807	ND			4	5
Fluoranthene	26-SEP-06 21:16	0.515	ND		4		5
Pyrene	26-SEP-06 21:16	0.441	ND			<u></u>	5
Butylbenzylphthalate	26-SEP-06 21:16	4.01	ND			<u> </u>	5
3,3'-Dichlorobenzidine	26-SEP-06 21:16	1.55	ND			<u> </u>	
Benzo(a)anthracene	26-SEP-06 21:16	0.335	ND			1	5
Chrysene	26-SEP-06 21:16	0.184	ND			<u> </u>	5
Bis(2-ethylhexyl)phthalate	26-SEP-06 21:16		3.0		<u> </u>		5
Di-n-octylphthalate	26-SEP-06 21:16		ND			1 1	5
Benzo(b)fluoranthene	26-SEP-06 21:16		ND			1 1	5
Benzo(k)fluoranthene	26-SEP-06 21:16		ND			1	5_
	26-SEP-06 21:16		ND	na do Trascolo dra			5
Benzo(a)pyrene	26-SEP-06 21:16		ND			1	5_
Indeno(1,2,3-c,d)pyrene	26-SEP-06 21:16		ND			1	5
Dibenz(a,h)Anthracene Benzo(g,h,i)perylene	26-SEP-06 21:16		ND			1	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
	26-SEP-06 21:16	28.		J	1
Octanoic Acid(5.73)	26-SEP-06 21:16			J	1
Nonanoic Acid(6.53)	26-SEP-06 21:16			J	1
n-Decanoic acid(7.43)	26-SEP-06 21:16			J	1
Dodecanoic acid(9.28)	26-SEP-06 21:16			J	1
Tetradecanoic acid(10.96)	26-SEP-06 21:16	14.		JB	1
Polycyclic hydrocarbon(19.02)	26-SEP-06 21:16		·····	J	1
Unknown nitro-aromatic(20.54) Polycyclic hydrocarbon(24.46)	26-SEP-06 21:16	5.6		J	1



SAMPLE ANALYSIS DATA SHEET



.

Date Printed: 29-SEP-06 09:41

Client Name.....: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number...: CCS Sampling

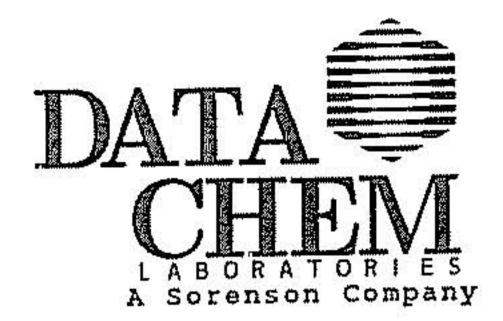
Date Received....: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: 13103 DCL Sample Name: 06E04363 DCL Report Group:: 06E-0590-02

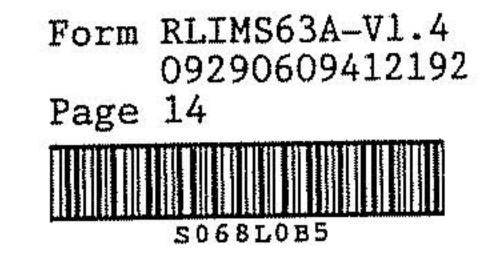
> DCL Analysis Group: G068M00M Analysis Method...: 8270C Instrument Type...: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Pyridine	26-SEP-06 21:49	0.381	ND	<u> </u>	<u> </u>	1 1	5
Phenol	26-SEP-06 21:49	0.266	ND		ļ	1	5
Bis(2-chloroethyl)ether	26-SEP-06 21:49	0.339	ND		ļ		5
2-Chlorophenol	26-SEP-06 21:49	0.429	ND			1	5
1,3-Dichlorobenzene	26-SEP-06 21:49	0.290	ND			1	5
1,4-Dichlorobenzene	26-SEP-06 21:49	0.379	ND				5
Benzyl Alcohol	26-SEP-06 21:49	0.402	ND		4	1 1	5
1,2-Dichlorobenzene	26-SEP-06 21:49	0.241	ND		<u> </u>	1 1	5
2-Methylphenol	26-SEP-06 21:49	0.216	ND		<u> </u>	1 1	5
Bis(2-chloroisopropyl)ether	26-SEP-06 21:49	0.356	ND			1	5
4-Methylphenol	26-SEP-06 21:49	0.114	ND			1	5
N-Nitrosodi-n-propyl amine	26-SEP-06 21:49	0.971	ND			1	5
Hexachloroethane	26-SEP-06 21:49	0.272	ND			1	5
Nitrobenzene	26-SEP-06 21:49	0.392	ND			1	5
Isophorone	26-SEP-06 21:49	0.415	ND		<u> </u>	1	5
2-Nitrophenol	26-SEP-06 21:49	0.457	ND			1	5
2,4-Dimethylphenol	26-SEP-06 21:49	0.992	ND			1	5
Benzoic acid	26-SEP-06 21:49	3,19	ND			1	20
bis(2-Chloroethoxy)methane	26-SEP-06 21:49	0.427	ND	<u> </u>		1	5
2,4-Dichlorophenol	26-SEP-06 21:49	0.361	ND			1	5
1,2,4-Trichlorobenzene	26-SEP-06 21:49	0:337	ND			1	5
Naphthalene	26-SEP-06 21:49	0.660	ND			1	5
4-Chloroaniline	26-SEP-06 21:49	0.249	ND			1	5
Hexachlorobutadiene	26-SEP-06 21:49	0.353	ND			1	5
4-Chloro-3-methylphenol	26-SEP-06 21:49		ND			1	5
2-Methylnaphthalene	26-SEP-06 21:49		ND			1	5
Hexachlorocyclopentadiene	26-SEP-06 21:49		ND			1	5
2,4,6-Trichlorophenol	26-SEP-06 21:49	141	ND			1	5
2,4,5-Trichlorophenol	26-SEP-06 21:49		ND			1	5
2-Chloronaphthalene	26-SEP-06 21:49		ND			1	5
2-Nitroaniline	26-SEP-06 21:49		ND			1	5
Dimethylphthalate	26-SEP-06 21:49	· · · · · · · · · · · · · · · · · · ·	0.69		J	1	5
2,6-Dinitrotoluene	26-SEP-06 21:49		ND			1	5
Acenaphthylene	26-SEP-06 21:49		ND			1	5
3-Nitroaniline	26-SEP-06 21:49		ND			1	5
	26-SEP-06 21:49		ND			1	5
Acenaphthene	26-SEP-06 21:49		ND			1	20
2,4-Dinitrophenol	26-SEP-06 21:49		ND			1 1	20
4-Nitrophenol	26-SEP-06 21:49		ND			1 1	5
Dibenzofuran	26-SEP-06 21:49		ND			1 1	5
2,4-Dinitrotoluene Diethylphthalate	26-SEP-06 21:49		0.90		J	1	5



SAMPLE ANALYSIS DATA SHEET



 DCL Report Group ...: 06E04363 DCL Report Group ...: 06E-0590-02

Analytical Results

4

	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	26-SEP-06 21:49	0.392	ND			1	5
4-Chlorophenyl phenyl ether	26-SEP-06 21:49	0.363	ND			1	5
Fluorene		0.263	ND			1	5
4-Nitroaniline	26-SEP-06 21:49	2.28	ND			1	20
4,6-Dinitro-2-methylphenol	26-SEP-06 21:49	0.645	ND			1	5
N-nitrosodiphenylamine	26-SEP-06 21:49		ND			1	5
4-Bromophenyl Phenyl Ether	26-SEP-06 21:49	0.394			1	1	5
Hexachlorobenzene	26-SEP-06 21:49	0.255	ND	<u> </u>		1	20
Pentachlorophenol	26-SEP-06 21:49	1.66	ND			1 1	5
Phenanthrene	26-SEP-06 21:49	0.416	ND			1	5
Anthracene	26-SEP-06 21:49	0.331	ND			1 1	5
Carbazole	26-SEP-06 21:49	0.327	ND				5
Di-n-butylphthalate	26-SEP-06 21:49	0.807	ND				5
Fluoranthene	26-SEP-06 21:49	0.515	ND			<u>+</u>	5
Pyrene	26-SEP-06 21:49	0.441	ND			<u> </u>	5
Butylbenzylphthalate	26-SEP-06 21:49	4.01	ND			<u></u>	
3,3'-Dichlorobenzidine	26-SEP-06 21:49	1.55	ND				
Benzo(a)anthracene	26-SEP-06 21:49	0.335	ND			1	5
Chrysene	26-SEP-06 21:49	0.184	ND			1	5
Bis(2-ethylhexyl)phthalate	26-SEP-06 21:49	1.53	7.2			1	5
Di-n-octylphthalate	26-SEP-06 21:49	1.32	ND			11	5
Benzo(b)fluoranthene	26-SEP-06 21:49	0.265	ND			1	5
Benzo(k)fluoranthene	26-SEP-06 21:49	0.272	ND	<u> </u>		1	5
	26-SEP-06 21:49		ND			11	5
Benzo(a)pyrene	26-SEP-06 21:49		ND			1 1	5
Indeno(1,2,3-c,d)pyrene	26-SEP-06 21:49	0.407	ND			1	5
Dibenz(a,h)Anthracene Benzo(g,h,i)perylene	26-SEP-06 21:49		ND			1	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
Column bleed product(5.36)	26-SEP-06 21:49	4.2		J	1
Octanoic Acid(5.75)	26-SEP-06 21:49	37.		J	11
n-Decanoic acid(7.46)	26-SEP-06 21:49	37.		J	1
Dodecanoic acid(9.31)	26-SEP-06 21:49	160	L	<u> </u>	11
Diethyltoluamide(9.48)	26-SEP-06 21:49	10.]]	11
Tetradecanoic acid(10.95)	26-SEP-06 21:49	10.		J	<u> </u>
Unknown Oxyhydrocarbon(13.79)	26-SEP-06 21:49	4.1		<u> </u>	1
Unknown nitro-aromatic(17.00)	26-SEP-06 21:49		<u>.</u>	J	<u> </u>
Polycyclic hydrocarbon(19.02)	26-SEP-06 21:49			JB	1
Unknown nitro-aromatic(20.50)	26-SEP-06 21:49				1
Glycerol tricaprylate(22.67)	26-SEP-06 21:49			<u> </u>	<u> </u>
Unknown Oxyhydrocarbon(23.56)	26-SEP-06 21:49	9.8		<u> </u>	<u> </u>



SAMPLE ANALYSIS DATA SHEET



Date Printed....:: 29-SEP-06 09:41

Client Name......: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

Date Received....: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared.....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: 13104 DCL Sample Name: 06E04364 DCL Report Group:: 06E-0590-02

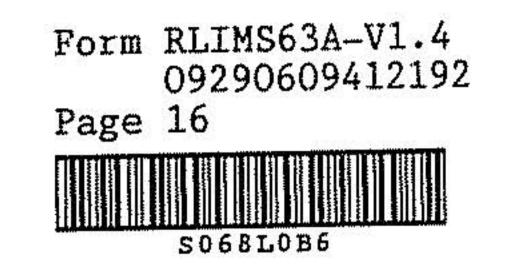
DCL Analysis Group: G068M00M Analysis Method ...: 8270C Instrument Type ...: GC/MS SV Instrument ID....: 5973-Y Column Type: DB5 30M x .32mm X Primary

Analytical Results

New New too	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	26-SEP-06 22:21	0.381	ND		ļ	1	5
Pyridine	26-SEP-06 22:21	0.266	ND			1	5
Phenol	26-SEP-06 22:21	0.339	ND			1	5
Bis(2-chloroethyl)ether	26-SEP-06 22:21	0.429	ND			1	5
2-Chlorophenol	26-SEP-06 22:21	0.290	ND			1	5
1,3-Dichlorobenzene	26-SEP-06 22:21	0.379	ND	<u></u>		1	5
1,4-Dichlorobenzene	26-SEP-06 22:21	0.402	ND			1	5
Benzyl Alcohol	26-SEP-06 22:21	0.241	ND			1	5
1,2-Dichlorobenzene	26-SEP-06 22:21	0.216	ND	1		1	5
2-Methylphenol Bis(2-chloroisopropyl)ether	26-SEP-06 22:21	0.356	ND			1	5
	26-SEP-06 22:21	0.114	ND			1	5
4-Methylphenol	26-SEP-06 22:21	0.971	ND			1 1	5
N-Nitrosodi-n-propyl amine	26-SEP-06 22:21	0.272	ND			1 1	5
<u>Hexachloroethane</u>	26-SEP-06 22:21		ND			1	5
Nitrobenzene	26-SEP-06 22:21	0.415	ND			1 1	5
Isophorone	26-SEP-06 22:21	0.457	ND				5
2-Nitrophenol	26-SEP-06 22:21		ND			1	5
2,4-Dimethylphenol	26-SEP-06 22:21		ND			1	20
Benzoic acid	26-SEP-06 22:21	- furmer	ND			1	5
bis(2-Chloroethoxy)methane	26-SEP-06 22:21		ND			1	5
2,4-Dichlorophenol	26-SEP-06 22:21		ND			1	5
1,2,4-Trichlorobenzene	26-SEP-06 22:21		ND			1	5
Naphthalene	26-SEP-06 22:21		ND			1	5
4-Chloroaniline	26-SEP-06 22:21		ND			1	5
Hexachlorobutadiene	26-SEP-06 22:21		ND			1 1	5
4-Chloro-3-methylphenol	26-SEP-06 22:21		ND			1	5
2-Methylnaphthalene	26-SEP-06 22:21		ND			1	5
Hexachlorocyclopentadiene	26-SEP-06 22:21		ND			1	5
2,4,6-Trichlorophenol	26-SEP-06 22:21		ND			1	5
2,4,5-Trichlorophenol	26-SEP-06 22:21		ND			1	5
2-Chloronaphthalene	26-SEP-06 22:21 26-SEP-06 22:21		ND	<u> </u>		1	5
2-Nitroaniline			ND			1	5
Dimethylphthalate	26-SEP-06 22:21		ND			1	5
2,6-Dinitrotoluene	26-SEP-06 22:21		ND			1	5
Acenaphthylene	26-SEP-06 22:21		ND			1	5
3-Nitroaniline	26-SEP-06 22:21		ND			1	5
Acenaphthene	26-SEP-06 22:21		ND			1	20
2,4-Dinitrophenol	26-SEP-06 22:21					1	20
4-Nitrophenol	26-SEP-06 22:21		ND			1	5
Dibenzofuran	26-SEP-06 22:21		ND			1 1	5
2,4-Dinitrotoluene	26-SEP-06 22:21		ND			1	5
Diethylphthalate	26-SEP-06 22:21	0.435	<u>ND</u>	1	1	<u>*</u>	



SAMPLE ANALYSIS DATA SHEET



A 162 - 635

Date Printed.....: 29-SEP-06 09:41 Client Name....: North Dakota State Water Commission DCL Sample Name...: 06E04364 DCL Report Group..: 06E-0590-02

Analytical Results

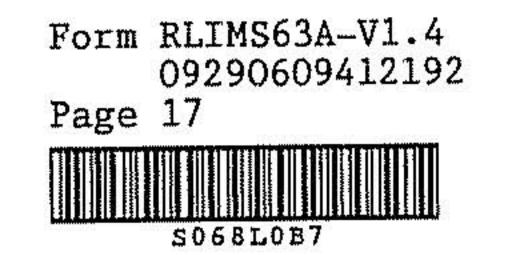
	Date	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	26-SEP-06 22:21	0.392	ND			1	5
4-Chlorophenyl phenyl ether	26-SEP-06 22:21	0.363	ND			1	5
Fluorene	26-SEP-06 22:21	0.263	ND		1940 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 - 1949 -	1	5
4-Nitroaniline		2,28	ND			1	20
4,6-Dinitro-2-methylphenol	26-SEP-06 22:21	0.645	ND			1	5
N-nitrosodiphenylamine	26-SEP-06 22:21		ND			1	5
4-Bromophenyl Phenyl Ether	26-SEP-06 22:21	0.394	ND	1		1 1	5
Hexachlorobenzene	26-SEP-06 22:21	0.255				1 1	20
Pentachlorophenol	26-SEP-06 22:21	1.66	ND		1	1	5
Phenanthrene	26-SEP-06 22:21	0.416	ND			1 1	5
Anthracene	26-SEP-06 22:21	0.331	ND			1	5
Carbazole	26-SEP-06 22:21	0.327	ND			++	5
Di-n-butylphthalate	26-SEP-06 22:21	0.807	ND				5
Fluoranthene	26-SEP-06 22:21	0.515	ND			<u> </u>	5
Pyrene	26-SEP-06 22:21	0.441	ND				5
Butylbenzylphthalate	26-SEP-06 22:21	4.01	ND				<u>~</u>
3,3'-Dichlorobenzidine	26-SEP-06 22:21	1.55	ND				<u>_</u>
Benzo(a)anthracene	26-SEP-06 22:21	0.335	ND			<u>+</u>	5
Chrysene	26-SEP-06 22:21	0.184	ND			1	5
Bis(2-ethylhexyl)phthalate	26-SEP-06 22:21	1.53	ND				5
Di-n-octylphthalate	26-SEP-06 22:21	1.32	ND				5
Benzo(b)fluoranthene	26-SEP-06 22:21	0.265	ND			1	5
Benzo(k)fluoranthene	26-SEP-06 22:21	0.272	ND			1	5
	26-SEP-06 22:21		ND			11	5
Benzo(a)pyrene	26-SEP-06 22:21		ND			1	5
Indeno(1,2,3-c,d)pyrene	26-SEP-06 22:21		ND			1 1	5
Dibenz(a,h)Anthracene Benzo(g,h,i)perylene	26-SEP-06 22:21		ND			1 1	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
Unknown nitro-aromatic(16.20)	26-SEP-06 22:21	13.	l	<u> </u>	11
Unknown nitro-aromatic(16.43)	26-SEP-06 22:21	7.7		3	1
Polycyclic hydrocarbon(19.02)	26-SEP-06 22:21	12.		JB	1 1
Unknown nitro-aromatic(22.12)	26-SEP-06 22:21	160		J	1
Polycyclic hydrocarbon(24.46)	26-SEP-06 22:21	4.9		<u> </u>	1 1



SAMPLE ANALYSIS DATA SHEET



Date Printed: 29-SEP-06 09:41

Client Name.....: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

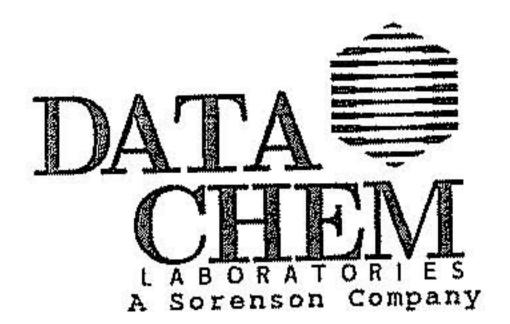
Date Received.....: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: 13087 DCL Sample Name...: 06E04365 DCL Report Group..: 06E-0590-02

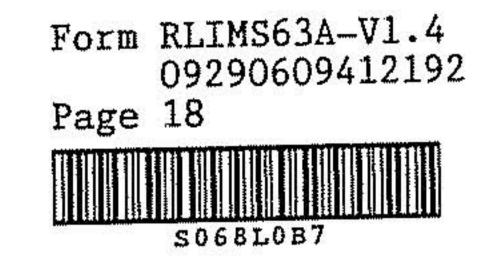
DCL Analysis Group: G068M00M Analysis Method....: 8270C Instrument Type...: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Pyridine	26-SEP-06 22:54	0.381	ND			1 1	5
Phenol	26-SEP-06 22:54	0.266	ND			1	5
Bis(2-chloroethyl)ether	26-SEP-06 22:54	0.339	ND	<u>[</u>		1	5
2-Chlorophenol	26-SEP-06 22:54	0.429	ND			1	5
1,3-Dichlorobenzene	26-SEP-06 22:54	0.290	ND			1	5
1,4-Dichlorobenzene	26-SEP-06 22:54	0.379	ND			1.	5
Benzyl Alcohol	26-SEP-06 22:54	0.402	ND			1.	5
1,2-Dichlorobenzene	26-SEP-06 22:54	0.241	ND			1	5
2-Methylphenol	26-SEP-06 22:54	0.216	ND			<u> </u>	5
Bis(2-chloroisopropyl)ether	26-SEP-06 22:54	0.356	ND			1	5
4-Methylphenol	26-SEP-06 22:54	0.114	ND			1	5
N-Nitrosodi-n-propyl amine	26-SEP-06 22:54	0.971	ND			1	5
Hexachloroethane	26-SEP-06 22:54	0.272	ND			1 1	5
Nitrobenzene	26-SEP-06 22:54	0.392	ND			1	5
Isophorone	26-SEP-06 22:54	0.415	ND			1	5
2-Nitrophenol	26-SEP-06 22:54	0.457	ND			1	5
2,4-Dimethylphenol	26-SEP-06 22:54	0.992	ND				5
Benzoic acid	26-SEP-06 22:54	3.19	ND			1	20
bis(2-Chloroethoxy)methane	26-SEP-06 22:54	0.427	ND			1	5
2,4-Dichlorophenol	26-SEP-06 22:54	0.361	ND			1	5
1,2,4-Trichlorobenzene	26-SEP-06 22:54	0.337	ND			1	5
Naphthalene	26-SEP-06 22:54	0.660	ND			1	5
4-Chloroaniline	26-SEP-06 22:54	0.249	ND			1	5
Hexachlorobutadiene	26-SEP-06 22:54		ND			1	5
4-Chloro-3-methylphenol	26-SEP-06 22:54		ND			1	5
2-Methylnaphthalene	26-SEP-06 22:54		ND			1	5
Hexachlorocyclopentadiene	26-SEP-06 22:54		ND			1	5
2,4,6-Trichlorophenol	26-SEP-06 22:54		ND			1	5
2,4,5-Trichlorophenol	26-SEP-06 22:54		ND			1 1	5
2-Chloronaphthalene	26-SEP-06 22:54		ND			1	5
2-Nitroaniline	26-SEP-06 22:54		ND			1	5
Dimethylphthalate	26-SEP-06 22:54		ND			1	5
	26-SEP-06 22:54		ND			1	5
2,6-Dinitrotoluene	26-SEP-06 22:54		ND			1	5
Acenaphthylene	26-SEP-06 22:54		ND			1	5
<u>3-Nitroaniline</u>	26-SEP-06 22:54		ND			1	5
Acenaphthene	26-SEP-06 22:54		ND			1	20
2,4-Dinitrophenol	26-SEP-06 22:54		ND			1 1	20
4-Nitrophenol	26-SEP-06 22:54		ND			1 1	5
Dibenzofuran			ND			1	5
2,4-Dinitrotoluene	26-SEP-06 22:54		ND			$+$ $\overline{1}$	5
Diethylphthalate	26-SEP-06 22:54	0.435	T ND				



SAMPLE ANALYSIS DATA SHEET



Date Printed: 29-SEP-06 09:41 Client Name: North Dakota State Water Commission DCL Sample Name...: 06E04365 DCL Report Group...: 06E-0590-02

Analytical Results

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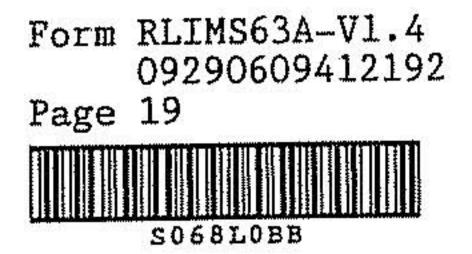
	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	26-SEP-06 22:54	0.392	ND			1	5
4-Chlorophenyl phenyl ether		0.363	ND			1	5
Fluorene	26-SEP-06 22:54	0.263	ND			1	5
4-Nitroaniline	26-SEP-06 22:54		ND		1	1	20
4,6-Dinitro-2-methylphenol	26-SEP-06 22:54	2.28	ND			1	5
N-nitrosodiphenylamine	26-SEP-06 22:54	0.645	ND			1	5
4-Bromophenyl Phenyl Ether	26-SEP-06 22:54	0.394				1	5
Hexachlorobenzene	26-SEP-06 22:54	0.255	ND			1	20
Pentachlorophenol	26-SEP-06 22:54	1.66	ND			1 1	5
Phenanthrene	26-SEP-06 22:54	0.416	ND	<u> </u>	1	1	5
Anthracene	26-SEP-06 22:54	0.331	ND	1		1	5
Carbazole	26-SEP-06 22:54	0.327	ND			1 1	5
Di-n-butylphthalate	26-SEP-06 22:54	0.807	ND				5
Fluoranthene	26-SEP-06 22:54	0.515	ND				5
Pyrene	26-SEP-06 22:54	0.441	ND			1 1	5
Butylbenzylphthalate	26-SEP-06 22:54	4.01	ND			++	Ę
3,3'-Dichlorobenzidine	26-SEP-06 22:54	1.55	ND		<u></u>		5
Benzo(a)anthracene	26-SEP-06 22:54	0.335	ND				5
Chrysene	26-SEP-06 22:54	0.184	ND			<u> </u>	
Bis(2-ethylhexyl)phthalate	26-SEP-06 22:54	1.53	ND			4	5
Di-n-octylphthalate	26-SEP-06 22:54	1.32	ND				<u> </u>
Benzo(b)fluoranthene	26-SEP-06 22:54		ND				5
Benzo(k)fluoranthene	26-SEP-06 22:54		ND			1 1	5
	26-SEP-06 22:54	0.221	ND			1	5_
Benzo(a)pyrene	26-SEP-06 22:54	0.412	ND			1	5
Indeno(1,2,3-c,d)pyrene	26-SEP-06 22:54		ND			1	5
Dibenz(a,h)Anthracene Benzo(g,h,i)perylene	26-SEP-06 22:54		ND			1 1	5

Tentatively Identified Compound Results

N	Date Analyzed	Result	Comment	Qual.	Dilution
Analyte (Retention Time)	26-SEP-06 22:54	6.8		J	1
Octanoic Acid(5.70)	26-SEP-06 22:54	21.		J	11
Dodecanoic acid(9.23)	26-SEP-06 22:54	13.		J	1
Unknown nitro-aromatic(17.00)	26-SEP-06 22:54			JB	11
Polycyclic hydrocarbon(19.02)	26-SEP-06 22:54	72.		J	1
Unknown nitro-aromatic(20.48)	26-SEP-06 22:54	61.		J	11
Unknown nitro-aromatic(20.78) Unknown nitro-aromatic(22.65)	26-SEP-06 22:54	2.00 Galling 2. Clouds		J	1 1



SAMPLE ANALYSIS DATA SHEET



1

Date Printed.: 29-SEP-06 09:41

Client Name......: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

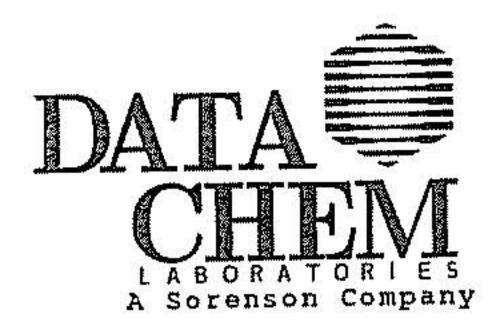
Date Received.: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume...: Not Required Client Sample Name: 13097 CAMP CROFTON DCL Sample Name: 06E04366 DCL Report Group: 06E-0590-02

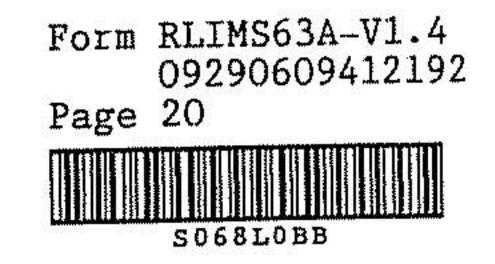
DCL Analysis Group: G068M00M Analysis Method...: 8270C Instrument Type...: GC/MS SV Instrument ID...: 5973-Y Column Type...: DB5 30M x .32mm X Primary

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Pyridine	27-SEP-06 00:31	0.381	ND			1	5
Phenol	27-SEP-06 00:31	0.266	ND				5
Bis(2-chloroethyl)ether	27-SEP-06 00:31	0.339	ND			1	5
2-Chlorophenol	27-SEP-06 00:31	0.429	ND			1	5
1,3-Dichlorobenzene	27-SEP-06 00:31	0.290	ND	[1	5
1,4-Dichlorobenzene	27-SEP-06 00:31	0.379	ND			1	5
Benzyl Alcohol	27-SEP-06 00:31	0.402	ND			1	5
1,2-Dichlorobenzene	27-SEP-06 00:31	0.241	ND			1	5
2-Methylphenol	27-SEP-06 00:31	0.216	ND			1	5
Bis(2-chloroisopropyl)ether	27-SEP-06 00:31	0.356	ND			1	5
4-Methylphenol	27-SEP-06 00:31	0.114	ND			1	5
N-Nitrosodi-n-propyl amine	27-SEP-06 00:31	0.971	ND			1	5
Hexachloroethane	27-SEP-06 00:31	0.272	ND			11	5
Nitrobenzene	27-SEP-06 00:31	0.392	ND	ļ		1	5
Isophorone	27-SEP-06 00:31	0.415	ND			1	5
2-Nitrophenol	27-SEP-06 00:31	0.457	ND			1	5
2,4-Dimethylphenol	27-SEP-06 00:31	0.992	ND			1	5
Benzoic acid	27-SEP-06 00:31		ND			1	20
bis(2-Chloroethoxy)methane	27-SEP-06 00:31	0.427	ND			1	5
2,4-Dichlorophenol	27-SEP-06 00:31		ND			1	5_
1,2,4-Trichlorobenzene	27-SEP-06 00:31		ND			1	5
Naphthalene	27-SEP-06 00:31		ND			1	5
4-Chloroaniline	27-SEP-06 00:31		ND			1	5
Hexachlorobutadiene	27-SEP-06 00:31		ND			1 1	5
4-Chloro-3-methylphenol	27-SEP-06 00:31		ND			1	5
	27-SEP-06 00:31		ND			1	5
2-Methylnaphthalene	27-SEP-06 00:31		ND			1	5
Hexachlorocyclopentadiene	27-SEP-06 00:31		ND			1	5
2,4,6-Trichlorophenol	27-SEP-06 00:31		ND			1	5
2,4,5-Trichlorophenol	27-SEP-06 00:31		ND			1	5
2-Chloronaphthalene	27-SEP-06 00:31		ND			1	5
2-Nitroaniline	27-SEP-06 00:31		ND			1	5
Dimethylphthalate	27-SEP-06 00:31		ND			1	5
2,6-Dinitrotoluene	27-SEP-06 00:31		ND			1 1	5
Acenaphthylene			ND			1	5
3-Nitroaniline	27-SEP-06 00:31					1	5
Acenaphthene	27-SEP-06 00:31		ND ND			1 1	20
2,4-Dinitrophenol	27-SEP-06 00:31					1 1	20
4-Nitrophenol	27-SEP-06 00:31		ND			1 1	5
Dibenzofuran	27-SEP-06 00:31		ND				5
2,4-Dinitrotoluene	27-SEP-06 00:31		ND				5
Diethylphthalate	27-SEP-06 00:31	0.435	ND	1			



SAMPLE ANALYSIS DATA SHEET



 DCL Sample Namess: 06E04366 DCL Report Groups: 06E-0590-02

Analytical Results

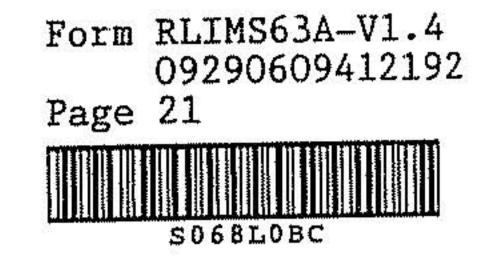
	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	27-SEP-06 00:31	0.392	ND			1	5
4-Chlorophenyl phenyl ether	27-SEP-06 00:31	0.363	ND			1	5
Fluorene		0.263	ND			1	5
4-Nitroaniline	27-SEP-06 00:31	2.28	ND			1	20
4,6-Dinitro-2-methylphenol	27-SEP-06 00:31		ND	· · · · · · · · · · · · · · · · · · ·		1	5
N-nitrosodiphenylamine	27-SEP-06 00:31	0.645				1 1	5
4-Bromophenyl Phenyl Ether	27-SEP-06 00:31	0.394	ND			1 1	5
Hexachlorobenzene	27-SEP-06 00:31	0.255	ND			1	20
Pentachlorophenol	27-SEP-06 00:31	1.66	ND		-	1	5
Phenanthrene	27-SEP-06 00:31	0.416	ND				5
Anthracene	27-SEP-06 00:31	0.331	ND				5
Carbazole	27-SEP-06 00:31	0.327	ND				5
Di-n-butylphthalate	27-SEP-06 00:31	0.807	ND			+	5
Fluoranthene	27-SEP-06 00:31	0.515	ND				5
Pyrene	27-SEP-06 00:31	0.441	ND		_		5
Butylbenzylphthalate	27-SEP-06 00:31	4.01	ND				
3,3'-Dichlorobenzidine	27-SEP-06 00:31	1.55	ND			<u></u>	5
Benzo(a)anthracene	27-SEP-06 00:31	0.335	ND				5
	27-SEP-06 00:31	0.184	ND				5
Chrysene Bis(2-ethylhexyl)phthalate	27-SEP-06 00:31		ND			1	5
Di-n-octylphthalate	27-SEP-06 00:31		ND			1 1	5
Di-n-octyiphthatace	27-SEP-06 00:31		ND			1	5
Benzo(b)fluoranthene	27-SEP-06 00:31		ND			1 1	5
Benzo(k)fluoranthene	27-SEP-06 00:31		ND			1	5
Benzo(a)pyrene	27-SEP-06 00:31		ND			1	5_
Indeno(1,2,3-c,d)pyrene	27-SEP-06 00:31		ND			1	5
Dibenz(a,h)Anthracene	27-SEP-06 00:31		ND			1 1	5
Benzo(g,h,i)perylene	2/-36F-00 00.31			in the second			

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
Undecanoic acid(9.21)	27-SEP-06 00:31	7.2		<u> </u>	1
	27-SEP-06 00:31			JB	1
Polycyclic hydrocarbon(19.01) Unknown nitro-aromatic(20.38)	27-SEP-06 00:31			J	1
Unknown nitro-aromatic(20.50)	27-SEP-06 00:31	1		J	1
Unsaturated Hydrocarbon(20.68)	27-SEP-06 00:31			J	1
Unknown nitro-aromatic(22.08) Polycyclic hydrocarbon(24.46)	27-SEP-06 00:31	the second s		J	11



SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 29-SEP-06 09:41

Client Name.....: North Dakota State Water Commission Client Ref Number...: CCS Sampling Sampling Site.....: 1856 Release Number....: CCS Sampling

DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: 13098 DCL Sample Name: 06E04367 DCL Report Group:: 06E-0590-02

DCL Analysis Group: G068M00M Analysis Method....: 8270C Instrument Type....: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary Confirmation

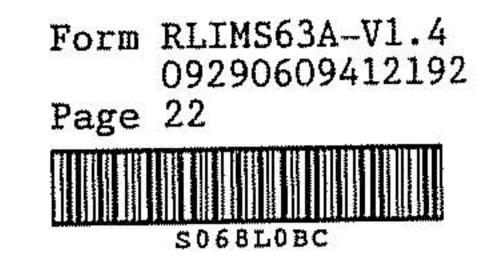
Analytical Results

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Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
	27-SEP-06 01:03	0.381	ND		ļ	1	5
Pyridine	27-SEP-06 01:03	0.266	ND			<u> </u>	5
<u>Phenol</u> Bis(2-chloroethyl)ether	27-SEP-06 01:03	0.339	ND			1	5
2-Chlorophenol	27-SEP-06 01:03	0.429	ND			1	5
1,3-Dichlorobenzene	27-SEP-06 01:03	0.290	ND			1 1	5
1,4-Dichlorobenzene	27-SEP-06 01:03	0.379	ND	<u> </u>	<u></u>	1	5
Benzyl Alcohol	27-SEP-06 01:03		ND			1	5
1,2-Dichlorobenzene	27-SEP-06 01:03		ND				5
2-Methylphenol	27-SEP-06 01:03	0.216	ND				5
Bis(2-chloroisopropyl)ether	27-SEP-06 01:03	0.356	ND			1 1	5
4-Methylphenol	27-SEP-06 01:03	0.114	ND			1	5
N-Nitrosodi-n-propyl amine	27-SEP-06 01:03	0.971	ND			1 1	5
N-Nitrosodi-h-propyi dmino Hexachloroethane	27-SEP-06 01:03	0.272	ND			1	5
	27-SEP-06 01:03		ND		<u> </u>	1 1	5
Nitrobenzene	27-SEP-06 01:03	0.415	ND			1	5
Isophorone	27-SEP-06 01:03		ND				5
2-Nitrophenol	27-SEP-06 01:03		ND			1	<u> </u>
2,4-Dimethylphenol	27-SEP-06 01:03		ND			1	20
Benzoic acid	27-SEP-06 01:03		ND			1	5
bis(2-Chloroethoxy)methane	27-SEP-06 01:03		ND			1	5
2,4-Dichlorophenol	27-SEP-06 01:03		ND			1	5
1,2,4-Trichlorobenzene	27-SEP-06 01:03		ND			1	5
Naphthalene	27-SEP-06 01:03		ND			1	5
4-Chloroaniline	27-SEP-06 01:03		ND			1	5
Hexachlorobutadiene	27-SEP-06 01:03		ND			1	5
4-Chloro-3-methylphenol	27-SEP-06 01:03		ND			1	5
2-Methylnaphthalene	27-SEP-06 01:03		ND			1	5
Hexachlorocyclopentadiene	27-SEP-06 01:03		ND			1	5
2,4,6-Trichlorophenol			ND			1	5
2,4,5-Trichlorophenol	27-SEP-06 01:03		ND			1	5
2-Chloronaphthalene	27-SEP-06 01:03		ND	·····		1	5
2-Nitroaniline	27-SEP-06 01:03		ND			1	5
Dimethylphthalate	27-SEP-06 01:03		ND			1	5
2,6-Dinitrotoluene	27-SEP-06 01:03		ND			1	5
Acenaphthylene	27-SEP-06 01:03		ND	_		1	5
3-Nitroaniline	27-SEP-06 01:03				_	1	5
Acenaphthene	27-SEP-06 01:03		ND ND		1	1	20
2,4-Dinitrophenol	27-SEP-06 01:03		ND			1	20
4-Nitrophenol	27-SEP-06 01:03		ND			1	5
Dibenzofuran	27-SEP-06 01:03		ND			1	5
2,4-Dinitrotoluene	27-SEP-06 01:03		ND			1	5
Diethylphthalate	27-SEP-06 01:03	0.435	ND	<u></u>	<u> </u>		



SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 29-SEP-06 09:41 Client Name.....: North Dakota State Water Commission DCL Sample Name...: 06E04367 DCL Report Group..: 06E-0590-02

Analytical Results

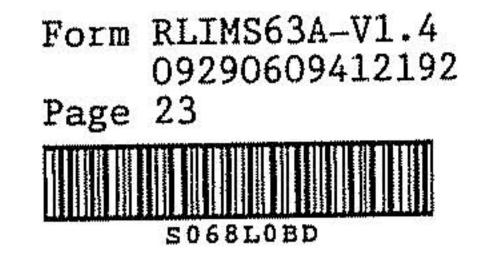
	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	27-SEP-06 01:03	0.392	ND			1	5
4-Chlorophenyl phenyl ether	27-SEP-06 01:03	0.363	ND			1 1	5
Fluorene		0.263	ND			1	5
4-Nitroaniline	27-SEP-06 01:03		ND			1	20
4,6-Dinitro-2-methylphenol	27-SEP-06 01:03	2.28	ND		1	1	5
N-nitrosodiphenylamine	27-SEP-06 01:03	0.645				1	5
4-Bromophenyl Phenyl Ether	27-SEP-06 01:03	0.394	ND			1	5
Hexachlorobenzene	27-SEP-06 01:03	0.255	DIND			1 1	20
Pentachlorophenol	27-SEP-06 01:03	1.66	· ND				5
Phenanthrene	27-SEP-06 01:03	0.416	ND				5
Anthracene	27-SEP-06 01:03	0.331	ND				5
Carbazole	27-SEP-06 01:03	0.327	ND				5
Di-n-butylphthalate	27-SEP-06 01:03	0.807	1.3		J		
Fluoranthene	27-SEP-06 01:03	0.515	ND	<u> </u>			5
Pyrene	27-SEP-06 01:03	0.441	ND			<u>+</u>	5
Butylbenzylphthalate	27-SEP-06 01:03	4.01	ND				5
3,3'-Dichlorobenzidine	27-SEP-06 01:03	1.55	ND				5
Benzo(a)anthracene	27-SEP-06 01:03	0.335	ND				5
Chrysene	27-SEP-06 01:03	0.184	ND				5
Bis(2-ethylhexyl)phthalate	27-SEP-06 01:03	1.53	2.5			1	5
Di-n-octylphthalate	27-SEP-06 01:03	1.32	ND			1	5
Benzo(b)fluoranthene	27-SEP-06 01:03		ND			1	5
Benzo(k)fluoranthene	27-SEP-06 01:03		ND			1	
	27-SEP-06 01:03		ND			1 1	5
Benzo(a)pyrene	27-SEP-06 01:03		ND			1	5
Indeno(1,2,3-c,d)pyrene	27-SEP-06 01:03		ND			1	5
Dibenz(a,h)Anthracene Benzo(g,h,i)perylene	27-SEP-06 01:03		ND			1	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
	27-SEP-06 01:03	9.0		J	11
<u>Undecanoic acid(9.22)</u> Unknown nitro-aromatic(17.02)	27-SEP-06 01:03	23.		J	1
Unknown nitro-aromatic(17.02)	27-SEP-06 01:03			JB	11
Polycyclic hydrocarbon(19.02) Unknown nitro-aromatic(20.55)	27-SEP-06 01:03			J	1
Unknown nitro-aromatic(20.00)	27-SEP-06 01:03			J	1
Unknown nitro-aromatic(22.06) Polycyclic hydrocarbon(24.45)	27-SEP-06 01:03			J	1



SAMPLE ANALYSIS DATA SHEET



Date Printed....: 29-SEP-06 09:41

Client Name.....:: North Dakota State Water Commission Client Ref Number...: CCS Sampling Sampling Site....:: 1856 Release Number...:: CCS Sampling

Date Received: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared.....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume.....: Not Required Client Sample Name: RESERVOIR DCL Sample Name...: 06E04368 DCL Report Group...: 06E-0590-02

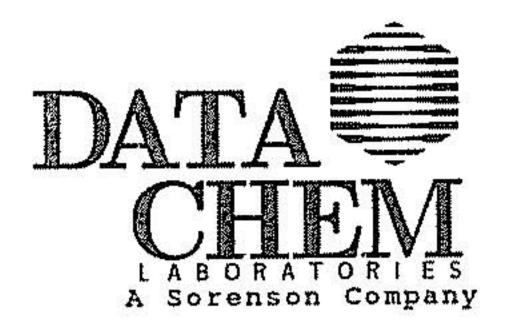
Matrix.....: WATER Date Sampled....: 12-SEP-06 00:00 Reporting Units...: ug/L Report Basis....: XAs Received Dried

DCL Analysis Group: G068M00M Analysis Method....: 8270C Instrument Type....: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary Confirmation

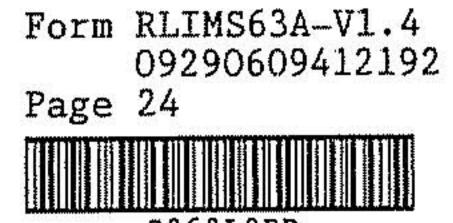
Analytical Results

Neelute	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	27-SEP-06 01:35	0.381	ND			1	5
Pyridine	27-SEP-06 01:35	0.266	ND			1	5
Phenol Bis(2-chloroethyl)ether	27-SEP-06 01:35	0.339	ND			1	5
	27-SEP-06 01:35	0.429	ND			1	5
<u>2-Chlorophenol</u> 1,3-Dichlorobenzene	27-SEP-06 01:35	0.290	ND			1	5
1,4-Dichlorobenzene	27-SEP-06 01:35	0.379	ND			1	5
Benzyl Alcohol	27-SEP-06 01:35	0.402	ND			1	5
1,2-Dichlorobenzene	27-SEP-06 01:35	0.241	ND	5		1	5
2-Methylphenol	27-SEP-06 01:35	0.216	ND			<u> 1 </u>	5
Bis(2-chloroisopropyl)ether	27-SEP-06 01:35	0.356	ND			1	5
4-Methylphenol	27-SEP-06 01:35	0.114	ND			1	5
N-Nitrosodi-n-propyl amine	27-SEP-06 01:35	0.971	ND			1	5
Hexachloroethane	27-SEP-06 01:35	0.272	ND				5
Nitrobenzene	27-SEP-06 01:35	0.392	ND			1	5
Isophorone	27-SEP-06 01:35	0.415	ND		L	1	5
2-Nitrophenol	27-SEP-06 01:35	0.457	ND			1	5
2,4-Dimethylphenol	27-SEP-06 01:35	0.992	ND				5
Benzoic acid	27-SEP-06 01:35		ND			1 1	20
bis(2-Chloroethoxy)methane	27-SEP-06 01:35	0.427	ND		<u> </u>	1	5
2,4-Dichlorophenol	27-SEP-06 01:35	0.361	ND			1 1	5_
1,2,4-Trichlorobenzene	27-SEP-06 01:35	0.337	ND			1	5_
Naphthalene	27-SEP-06 01:35		ND			1	5
4-Chloroaniline	27-SEP-06 01:35		ND			1	5
Hexachlorobutadiene	27-SEP-06 01:35		ND			1 1	5
	27-SEP-06 01:35		ND			1	5
4-Chloro-3-methylphenol	27-SEP-06 01:35		ND			1	5
2-Methylnaphthalene	27-SEP-06 01:35		ND			1	5
Hexachlorocyclopentadiene	27-SEP-06 01:35		ND			1	5
2,4,6-Trichlorophenol	27-SEP-06 01:35		ND			1 1	5
2,4,5-Trichlorophenol	27-SEP-06 01:35		ND			1	5
2-Chloronaphthalene	27-SEP-06 01:35		ND			1	5
2-Nitroaniline	27-SEP-06 01:35		ND			1	5
Dimethylphthalate	27-SEP-06 01:35		ND		20	1 1	5
2,6-Dinitrotoluene	27-SEP-06 01:35		ND			1	5
Acenaphthylene	27-SEP-06 01:35		ND			1	5
3-Nitroaniline	27-SEP-06 01:35		ND			1	5
Acenaphthene	27-SEP-06 01:35	1	ND			1	20
2,4-Dinitrophenol	27-SEP-06 01:35		ND			1	20
4-Nitrophenol	27-SEP-06 01:35		ND			1	5
Dibenzofuran	27-SEP-06 01:35		ND			1	5
2,4-Dinitrotoluene Diethylphthalate	27-SEP-06 01:35		ND	····		1	5

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SAMPLE ANALYSIS DATA SHEET



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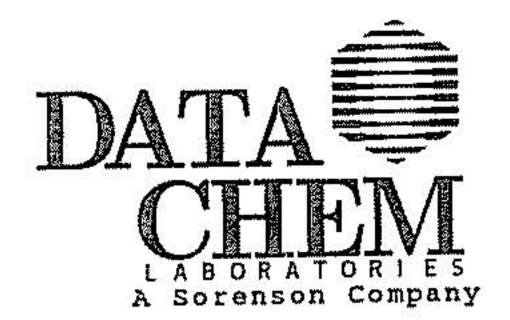
Date Printed.:: 29-SEP-06 09:41 Client Name....: North Dakota State Water Commission DCL Sample Name ...: 06E04368 DCL Report Group ...: 06E-0590-02

Analytical Results

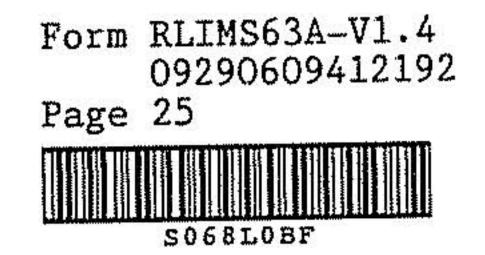
Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
4-Chlorophenyl phenyl ether	27-SEP-06 01:35	0,392	ND			1	5
Fluorene	27-SEP-06 01:35	0,363	ND		<u> </u>	1	5
4-Nitroaniline	27-SEP-06 01:35	0.263	ND			1 1	5
4,6-Dinitro-2-methylphenol	27-SEP-06 01:35	2.28	ND			1	20
N-nitrosodiphenylamine	27-SEP-06 01:35	0.645	ND			1	5
4-Bromophenyl Phenyl Ether	27-SEP-06 01:35	0.394	ND		L	1	5
Hexachlorobenzene	27-SEP-06 01:35	0.255	ND			1 1	5
Pentachlorophenol	27-SEP-06 01:35	1.66	ND			1	20
Phenanthrene	27-SEP-06 01:35	0.416	ND			1	5
Anthracene	27-SEP-06 01:35	0.331	ND			1 1	5
Carbazole	27-SEP-06 01:35	0.327	ND			1	5
Di-n-butylphthalate	27-SEP-06 01:35	0.807	ND			1	5
Fluoranthene	27-SEP-06 01:35	0.515	ND			1	5
Pyrene	27-SEP-06 01:35	0.441	ND			1	5
Butylbenzylphthalate	27-SEP-06 01:35	4.01	ND			1	5
3,3'-Dichlorobenzidine	27-SEP-06 01:35	1.55	ND			1	5
Benzo(a)anthracene	27-SEP-06 01:35	0.335	ND			1 1	5
Chrysene	27-SEP-06 01:35	0.184	ND			1	5
Bis(2-ethylhexyl)phthalate	27-SEP-06 01:35	1.53	ND			1	5
Di-n-octylphthalate	27-SEP-06 01:35	1.32	ND	1		1	5
Benzo(b)fluoranthene	27-SEP-06 01:35	0.265	ND			1	5
Benzo(k)fluoranthene	27-SEP-06 01:35	0.272	ND			1	5
Benzo(a)pyrene	27-SEP-06 01:35	0.221	ND			1	5
Indeno(1,2,3-c,d)pyrene	27-SEP-06 01:35	0.412	ND			1	5
Dibenz(a,h)Anthracene	27-SEP-06 01:35	0.407	ND			1	5
Benzo(g,h,i)perylene	27-SEP-06 01:35	0.446	ND			1	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
Squalene(17.32)	27-SEP-06 01:35	26.		J	1
Polycyclic hydrocarbon(19.02)	27-SEP-06 01:35	30.		JB	11
Unknown nitro-aromatic(22.09)	27-SEP-06 01:35	46.		J	11
Polycyclic hydrocarbon(24.46)	27-SEP-06 01:35	17.		J	1



SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 29-SEP-06 09:41

Client Name.....: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

Date Received.: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared.....: 20-SEP-06 00:00 Preparation Method....: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: SOUTH SPRING DCL Sample Name...: 06E04369 DCL Report Group..: 06E-0590-02

DCL Analysis Group: G068M00M Analysis Method....: 8270C Instrument Type....: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary

Analytical Results

•	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	27-SEP-06 02:07	0.381	ND			1	5
Pyridine	27-SEP-06 02:07	0.266	0.35		JX	1	5
Phenol	27-SEP-06 02:07	0.339	0.40		JX	1	5
Bis(2-chloroethyl)ether	27-SEP-06 02:07	0.429	ND			1	5
2-Chlorophenol	27-SEP-06 02:07	0.290	0.50		JX	1	5
1,3-Dichlorobenzene	27-SEP-06 02:07	0.379	0.54		JX	1	5
1,4-Dichlorobenzene	27-SEP-06 02:07	0.402	ND			1	5
Benzyl Alcohol	27-SEP-06 02:07	0.241	0.46		JX	1 1	5
1,2-Dichlorobenzene	27-SEP-06 02:07	0.216	0.27		JX	1 1	5
2-Methylphenol Bis(2-chloroísopropyl)ether	27-SEP-06 02:07	0.356	0.36		JX	1	5
	27-SEP-06 02:07	0.114	0.23		JX	1	5
4-Methylphenol	27-SEP-06 02:07	0.971	ND			1	5
N-Nitrosodi-n-propyl amine	27-SEP-06 02:07	0.272	ND			1	5
Hexachloroethane	27-SEP-06 02:07	0.392	0.79		JX	1	5
Nitrobenzene	27-SEP-06 02:07	0.415	ND			1	5
Isophorone	27-SEP-06 02:07		0.52		JX	1	5
2-Nitrophenol	27-SEP-06 02:07		ND			1	5
2,4-Dimethylphenol	27-SEP-06 02:07		ND			1	20
Benzoic acid	27-SEP-06 02:07		ND			1	5
bis(2-Chloroethoxy)methane	27-SEP-06 02:07		0.39		JX	1	5
2,4-Dichlorophenol	27-SEP-06 02:07		0.59		JX	1	5
1,2,4-Trichlorobenzene	27-SEP-06 02:07		0.69		JX	1	5
Naphthalene	27-SEP-06 02:07		ND	1		1	5
4-Chloroaniline	27-SEP-06 02:07		0.37		JX	1	5
Hexachlorobutadiene	27-SEP-06 02:07		ND			1	5
4-Chloro-3-methylphenol			0.54		JX	1	5
2-Methylnaphthalene	27-SEP-06 02:07		ND			1	5
Hexachlorocyclopentadiene	27-SEP-06 02:07		ND		-	1	5
2,4,6-Trichlorophenol	27-SEP-06 02:07		ND			1	5
2,4,5-Trichlorophenol	27-SEP-06 02:07		0.37		JX	1 1	5
2-Chloronaphthalene	27-SEP-06 02:07		ND	·		1 1	5
2-Nitroaniline	27-SEP-06 02:07		ND			1	5
Dimethylphthalate	27-SEP-06 02:07		ND			1 1	5
2,6-Dinitrotoluene	27-SEP-06 02:07						5
Acenaphthylene	27-SEP-06 02:07		ND				5
3-Nitroaniline	27-SEP-06 02:07		ND			1 1	5
Acenaphthene	27-SEP-06 02:07		ND				20
2,4-Dinitrophenol	27-SEP-06 02:07		ND				20
4-Nitrophenol	27-SEP-06 02:07		ND				5
Dibenzofuran	27-SEP-06 02:07		ND				5
2,4-Dinitrotoluene	27-SEP-06 02:07		ND		_		
Diethylphthalate	27-SEP-06 02:07	0.435	ND		1	1 + 1	



SAMPLE ANALYSIS DATA SHEET



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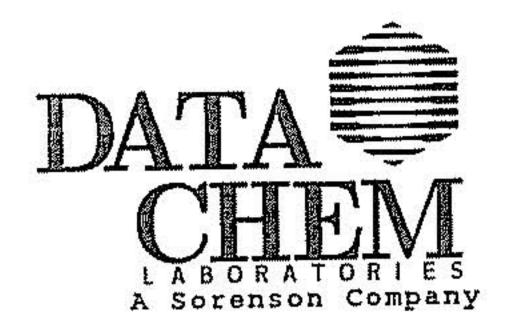
 DCL Sample Namessa: 06E04369 DCL Report Groups::06E-0590-02

Analytical Results

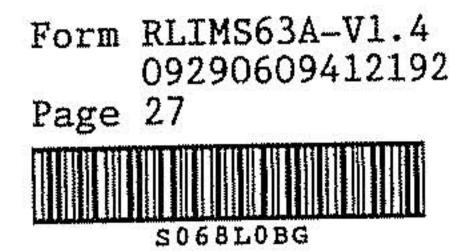
Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
4-Chlorophenyl phenyl ether	27-SEP-06 02:07	0.392	ND		<u> </u>	1 1	5
Fluorene	27-SEP-06 02:07	0.363	ND		<u> </u>	1	5
4-Nitroaniline	27-SEP-06 02:07	0,263	ND		1	1	5
4,6-Dinitro-2-methylphenol	27-SEP-06 02:07	2.28	ND			1	20
N-nitrosodiphenylamine	27-SEP-06 02:07	0.645	ND			1	5
4-Bromophenyl Phenyl Ether	27-SEP-06 02:07	0.394	ND			1	5
Hexachlorobenzene	27-SEP-06 02:07	0.255	ND			1	5
Pentachlorophenol	27-SEP-06 02:07	1.66	ND			1	20
Phenanthrene	27-SEP-06 02:07	0.416	ND			1	5
Anthracene	27-SEP-06 02:07	0.331	ND			1	5
Carbazole	27-SEP-06 02:07	0.327	ND	·		1	5
Di-n-butylphthalate	27-SEP-06 02:07	0.807	ND			1	5
Fluoranthene	27-SEP-06 02:07	0.515	ND			1	5
Pyrene	27-SEP-06 02:07	0.441	ND			1	5
Butylbenzylphthalate	27-SEP-06 02:07	4.01	ND			1	5
3,3'-Dichlorobenzidine	27-SEP-06 02:07	1.55	ND			1	5
Benzo(a)anthracene	27-SEP-06 02:07	0.335	ND			1	5
Chrysene	27-SEP-06 02:07	0.184	ND			1	5
Bis(2-ethylhexyl)phthalate	27-SEP-06 02:07	1.53	ND			1	5
Di-n-octylphthalate	27-SEP-06 02:07	1.32	ND			1	5
Benzo(b)fluoranthene	27-SEP-06 02:07	0.265	ND			1	5
Benzo(k)fluoranthene	27-SEP-06 02:07	0.272	ND			1	5
Benzo(a)pyrene	27-SEP-06 02:07	0.221	ND			1	5
Indeno(1,2,3-c,d)pyrene	27-SEP-06 02:07	0.412	ND			1	5
Dibenz(a,h)Anthracene	27-SEP-06 02:07	0.407	ND	<u> </u>		1	5
Benzo(g,h,i)perylene	27-SEP-06 02:07	0,446	ND	1		1	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
Squalene(17.32)	27-SEP-06 02:07	4.8		J	1
Polycyclic hydrocarbon(19.02)	27-SEP-06 02:07	21.		J	11
Polycyclic hydrocarbon(24.46)	27-SEP-06 02:07	10.		J	1



SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 29-SEP-06 09:41

Date Received: 15-SEP-06 00:00

DCL Preparation Group: G068M00M Date Prepared.....: 20-SEP-06 00:00 Preparation Method...: 3510 Aliquot Weight/Volume: 1000 mL Net Weight/Volume....: Not Required Client Sample Name: SOUTH SPRING|FIELD DUP DCL Sample Name...: 06E04370 DCL Report Group..: 06E-0590-02

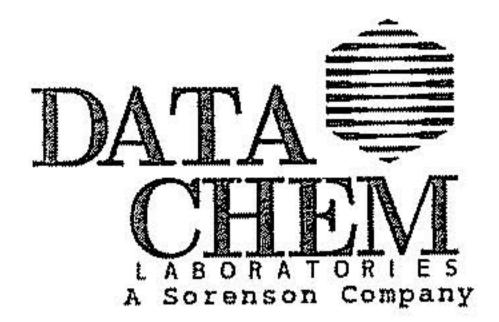
DCL Analysis Group: G068M00M Analysis Method ...: 8270C Instrument Type ...: GC/MS SV Instrument ID....: 5973-Y Column Type: DB5 30M x .32mm X Primary Confirmation

Analytical Results

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	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	27-SEP-06 02:39	0.381	ND	1	1	1 1	5
Pyridine	27-SEP-06 02:39	0.266	ND			1 1	5
Phenol	27-SEP-06 02:39	0.339	ND			1	5
Bis(2-chloroethyl)ether	27-SEP-06 02:39	0.429	ND			1	5
2-Chlorophenol	27-SEP-06 02:39	0.290	ND			1	5
1,3-Dichlorobenzene	27-SEP-06 02:39	0.379	ND			1	5
1,4-Dichlorobenzene	27-SEP-06 02:39	0.402	ND			1	5
Benzyl Alcohol 1,2-Dichlorobenzene	27-SEP-06 02:39	0.241	ND			1	5
	27-SEP-06 02:39	0.216	ND			1	5
2-Methylphenol Bis(2-chloroisopropyl)ether	27-SEP-06 02:39	0.356	ND			1	5
	27-SEP-06 02:39	0.114	ND			1	5
4-Methylphenol	27-SEP-06 02:39	0.971	ND			1	5
N-Nitrosodi-n-propyl amine	27-SEP-06 02:39	0.272	ND			1	5
<u>Hexachloroethane</u>	27-SEP-06 02:39	0.392	ND			1 1	5
Nitrobenzene	27-SEP-06 02:39	0.415	ND			1	5
Isophorone	27-SEP-06 02:39	0.457	ND			1	5
2-Nitrophenol	27-SEP-06 02:39		ND			1	5
2,4-Dimethylphenol	27-SEP-06 02:39		ND				20
Benzoic acid	27-SEP-06 02:39		ND			1	5
bis(2-Chloroethoxy)methane	27-SEP-06 02:39		ND			1	5
2,4-Dichlorophenol	27-SEP-06 02:39		ND			1	5
1,2,4-Trichlorobenzene	27-SEP-06 02:39		ND			1	5
Naphthalene	27-SEP-06 02:39		ND			1 1	5
4-Chloroaniline	27-SEP-06 02:39		ND			1	5
Hexachlorobutadiene	27-SEP-06 02:39		ND			1	5
4-Chloro-3-methylphenol	27-SEP-06 02:39	······································	ND			1	5
2-Methylnaphthalene	27-SEP-06 02:39		ND			1	5
Hexachlorocyclopentadiene	27-SEP-06 02:39		ND		1	1	5
2,4,6-Trichlorophenol	27-SEP-06 02:39		ND			1	5
2,4,5-Trichlorophenol	27-SEP-06 02:39		ND			1	5
2-Chloronaphthalene	27-SEP-06 02:39		ND		1	1	5
2-Nitroaniline			ND			1	5
Dimethylphthalate	27-SEP-06 02:39		ND			1 1	5
2,6-Dinitrotoluene	27-SEP-06 02:39		ND			1	5
Acenaphthylene	27-SEP-06 02:39		ND			1	5
3-Nitroaniline	27-SEP-06 02:39		ND			1 1	5
Acenaphthene	27-SEP-06 02:39	2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ND			1	20
2,4-Dinitrophenol	27-SEP-06 02:39					1	20
4-Nitrophenol	27-SEP-06 02:39		ND		_	1	5
Dibenzofuran	27-SEP-06 02:39		ND			1	5
2,4-Dinitrotoluene	27-SEP-06 02:39		ND ND			1	5
Diethylphthalate	27-SEP-06 02:39	0.435	ND				



SAMPLE ANALYSIS DATA SHEET



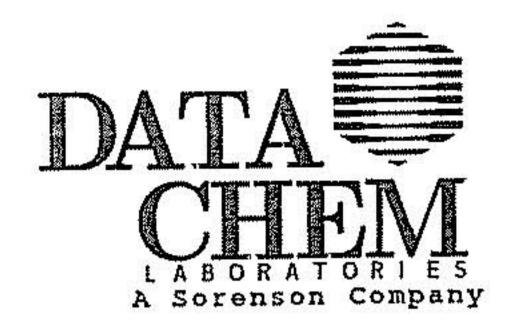
 DCL Sample Names. : 06E04370 DCL Report Groups:: 06E-0590-02

Analytical Results

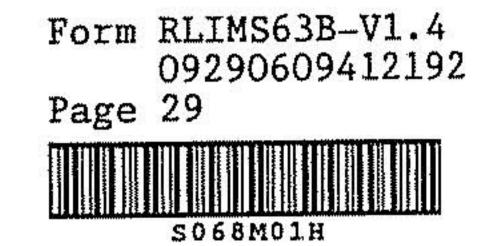
Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
4-Chlorophenyl phenyl ether	27-SEP-06 02:39	0.392	ND			1	5
Fluorene	27-SEP-06 02:39	0.363	ND			1	5
4-Nitroaniline	27-SEP-06 02:39	0.263	ND			1	5
4,6-Dinitro-2-methylphenol	27-SEP-06 02:39	2.28	ND			1	20
N-nitrosodiphenylamine	27-SEP-06 02:39	0.645	ND			1 1	5
4-Bromophenyl Phenyl Ether	27-SEP-06 02:39	0.394	ND			1 1	5
Hexachlorobenzene	27-SEP-06 02:39	0.255	ND			1	5
Pentachlorophenol	27-SEP-06 02:39	1.66	ND			1	20
Phenanthrene	27-SEP-06 02:39	0.416	ND			1	5
Anthracene	27-SEP-06 02:39	0.331	ND			1	5
Carbazole	27-SEP-06 02:39	0.327	ND			1 1	5
Di-n-butylphthalate	27-SEP-06 02:39	0.807	ND			1	5
Fluoranthene	27-SEP-06 02:39	0.515	ND			1	5
Pyrene	27-SEP-06 02:39	0.441	ND			1	5
Butylbenzylphthalate	27-SEP-06 02:39	4.01	ND			1	5
3,3'-Dichlorobenzidine	27-SEP-06 02:39	1.55	ND			1	5
Benzo(a)anthracene	27-SEP-06 02:39	0.335	ND			1 1	5
Chrysene	27-SEP-06 02:39	0,184	ND			1	5
Bis(2-ethylhexyl)phthalate	27-SEP-06 02:39	1.53	ND			1	5
Di-n-octylphthalate	27-SEP-06 02:39	1.32	ND			1	5
Benzo(b)fluoranthene	27-SEP-06 02:39	0.265	ND			1	5
Benzo(k)fluoranthene	27-SEP-06 02:39	0.272	ND			1	5
Benzo(a)pyrene	27-SEP-06 02:39	0.221	ND			1	5
Indeno(1,2,3-c,d)pyrene	27-SEP-06 02:39	0.412	ND			1	5
Dibenz(a,h)Anthracene	27-SEP-06 02:39	0.407	ND			1 1	5
Benzo(g,h,i)perylene	27-SEP-06 02:39	0.446	ND			1	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution	
Polycyclic hydrocarbon(19.02)	27-SEP-06 02:39	16.	19150-000 1A	JB	1	
Unknown nitro-aromatic(22.08)	27-SEP-06 02:39	4.9		J	1	
Polycyclic hydrocarbon(24.46)	27-SEP-06 02:39	9.3		J	11	



QUALITY CONTROL DATA SHEET LABORATORY CONTROL SAMPLE (LCS)



Matrix WATERA Reporting Units ug/L

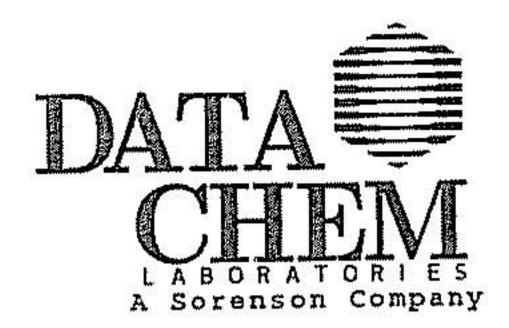
DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 DCL Sample Name ...: QC-250878-1 Date Printed....: 29-SEP-06 09:41

DCL Analysis Group: G068M00M Analysis Method....: SW 8270 Instrument Type...: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary Confirmation

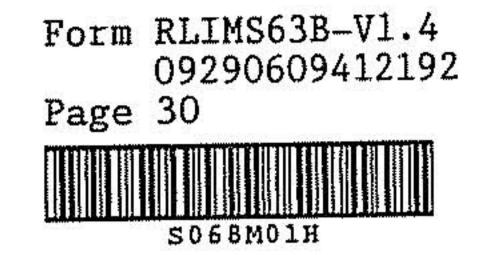
QC Limit Type : Method

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	OC Flag
Phenol	26-SEP-06 17:32	40.0	8.46	21.1	8.39/50.1	- <u></u>
Bis(2-chloroethyl)ether	26-SEP-06 17:32	40.0	26.0	65.1	41.0/102.	
	26-SEP-06 17:32	40.0	22.0	54.9	29.3/106.	
-Chlorophenol ,3-Dichlorobenzene	26-SEP-06 17:32	40.0	22.7	56.8	34.2/81.8	
	26-SEP-06 17:32	40.0	22.9	57.3	35.1/83.7	
.,4-Dichlorobenzene	26-SEP-06 17:32	40.0	19.8	49.4	26.0/106.	
Senzyl Alcohol	26-SEP-06 17:32	40.0	23.5	58.7	37.4/90.4	
<u>,2-Dichlorobenzene</u>	26-SEP-06 17:32	40.0	18.6	46.6	33.0/93.0	
-Methylphenol	26-SEP-06 17:32	40.0	26.7	66.7	40.2/102.	ana ang ang ang ang ang ang ang ang ang
Bis(2-chloroisopropyl)ether	26-SEP-06 17:32	40.0	16.5	41.1	27.2/88.9	
<u>1-Methylphenol</u>	26-SEP-06 17:32	40.0	27.4	68.5	48.4/107.	
N-Nitrosodi-n-propyl amine	26-SEP-06 17:32	40.0	22.3	55.7	31.1/80.6	
<u>lexachloroethane</u>	26-SEP-06 17:32	40.0	27.0	67.5	49.8/101.	
Nitrobenzene	26-SEP-06 17:32	40.0	27.3	68.2	50.4/105.	
Isophorone	26-SEP-06 17:32	40.0	27.3	68.3	35.6/115.	:
2-Nitrophenol	26-SEP-06 17:32	40.0	25.2	63.1	38.2/103.	
2,4-Dimethylphenol	26-SEP-06 17:32	40.0	6.47	16.2	/76.8	
Benzoic acid	26-SEP-06 17:32	40.0	27.1	67.7	48.0/106.	
bis(2-Chloroethoxy)methane	26-SEP-06 17:32 26-SEP-06 17:32	40.0	24.5	61.2	37.5/115.	
2,4-Dichlorophenol		40.0	23.6	59.1	43.0/95.6	
L,2,4-Trichlorobenzene	26-SEP-06 17:32		25.5	63.7	48.5/96.3	
Naphthalene	26-SEP-06 17:32	40.0	23.5	61.2	45.4/111.	
<u>4-Chloroaniline</u>	26-SEP-06 17:32	40.0		56.1	32.8/96.6	······
Hexachlorobutadiene	26-SEP-06 17:32	40.0	22.5	62.9	45.2/113.	
4-Chloro-3-methylphenol	26-SEP-06 17:32	40.0	25.2		50.9/104.	
2-Methylnaphthalene	26-SEP-06 17:32	40.0	26.3	65.8		
Hexachlorocyclopentadiene	26-SEP-06 17:32		22.7	56.9	7.34/101.	
2,4,6-Trichlorophenol	26-SEP-06 17:32	40.0	27.7	69.2	38.7/125.	
2,4,5-Trichlorophenol	26-SEP-06 17:32	40.0	27.2	67.9	40.6/122.	
2-Chloronaphthalene	26-SEP-06 17:32	40.0	27.4	68.5	54.3/104.	
2-Nitroaniline	26-SEP-06 17:32	40.0	31.0	77.6	58.6/110.	
Dimethylphthalate	26-SEP-06 17:32	40.0	30.4	76.0	61.9/110.	
2,6-Dinitrotoluene	26-SEP-06 17:32	40.0	31.2	77.9	59.8/114.	
Acenaphthylene	26-SEP-06 17:32	40.0	29.3	73.1	59.2/105.	
3-Nitroaniline	26-SEP-06 17:32	40.0	34.7	86.7	43.3/136.	
Acenaphthene	26-SEP-06 17:32	40.0	29.1	72.8	57.2/108.	
2,4-Dinitrophenol	26-SEP-06 17:32		26.2	65.6	17.1/123.	ļ
4-Nitrophenol	26-SEP-06 17:32		7.73	19.3	7.85/52.0	
Dibenzofuran	26-SEP-06 17:32		29.4	73.5	61.0/107.	
	26-SEP-06 17:32		31.7	79.2	62.5/114.	
2,4-Dinitrotoluene	26-SEP-06 17:32		31.9	79.7	59.6/115.	
Diethylphthalate	26-SEP-06 17:32		30.5	76.1	60.7/111.	
4-Chlorophenyl phenyl ether	26-SEP-06 17:32		30.8	77.0	60.0/111.	
Fluorene	26-SEP-06 17:32		38.5	96.2	47.2/135.	
4-Nitroaniline			29.5	73.8	27.0/128.	
4,6-Dinitro-2-methylphenol	26-SEP-06 17:32		35.1	87.7	57.5/124.	
N-nitrosodiphenylamine	26-SEP-06 17:32			74.5	59.5/112.	
4-Bromophenyl Phenyl Ether	26-SEP-06 17:32	40.0	29.8	1 /4.2	1 33.3/112.	



QUALITY CONTROL DATA SHEET LABORATORY CONTROL SAMPLE (LCS)



DCL Sample Namess: QC-250878-1 Date Printedsess: 29-SEP-06 09:41

Analytical Results

	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
Analyte	26-SEP-06 17:32	40.0	28.9	72.3	60.2/112.	
Hexachlorobenzene	26-SEP-06 17:32	40.0	29.7	74.2	40.2/135.	
Pentachlorophenol		40.0	30.8	76.9	61.6/111.	
Phenanthrene	26-SEP-06 17:32		31.7	79.2	63.5/110.	1973/1973 0077
Anthracene	26-SEP-06 17:32	40.0	****	82.9	62.2/116.	
Di-n-butylphthalate	26-SEP-06 17:32	40.0	33.2		59.2/114.	
Fluoranthene	26-SEP-06 17:32	40.0	32.6	81.5		
Pyrene	26-SEP-06 17:32	40.0	28.6	71.5	58.3/118.	
Butylbenzylphthalate	26-SEP-06 17:32	40.0	31.5	78.7	60.4/121.	
3,3'-Dichlorobenzidine	26-SEP-06 17:32	40.0	59.8	149.	28.2/160.	
Benzo(a)anthracene	26-SEP-06 17:32	40.0	30.7	76.8	63.6/111.	
	26-SEP-06 17:32	40.0	31.3	78.2	61.0/115.	
Chrysene	26-SEP-06 17:32	40.0	30.9	77.4	55.7/134.	
Bis(2-ethylhexyl)phthalate	26-SEP-06 17:32	40.0	31.3	78.4	50.8/132.	
Di-n-octylphthalate	26-SEP-06 17:32	40.0	30.6	76.4	61.3/111.	<u> </u>
Benzo(b)fluoranthene	26-SEP-06 17:32	40.0	28.2	70.5	45.0/125.	
Benzo(k)fluoranthene			30.7	76.8	64.0/111.	
Benzo(a)pyrene	26-SEP-06 17:32	40.0		83.9	55.9/125.	
Indeno(1,2,3-c,d)pyrene	26-SEP-06 17:32	40.0	33.6		50.7/128.	
Dibenz(a,h)Anthracene	26-SEP-06 17:32	40.0	33.5	83.7		
Benzo(g,h,i)perylene	26-SEP-06 17:32	40.0	34.7	86.8	55.9/124.	



QUALITY CONTROL DATA SHEET BLANK SAMPLE



Client Namessessess:: North Dakota State Water Commission Release Numberssess: CCS Sampling

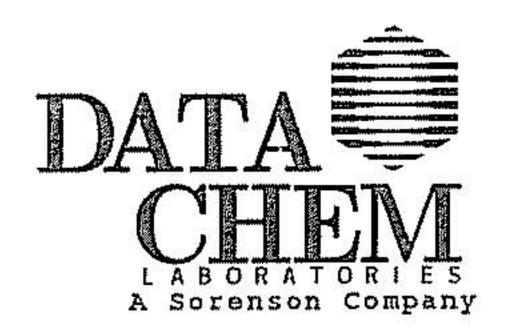
DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 DCL Sample Namesse: BL-250878-1 Date Printed: 29-SEP-06 09:41

DCL Analysis Group: G068M00M Analysis Method...: 8270C Instrument Type...: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary Confirmation

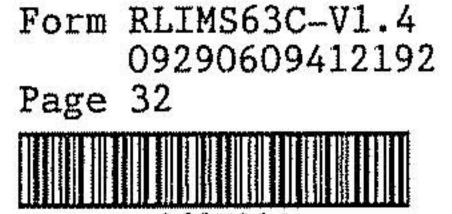
QC Limit Type Method

Analytical Results

	Date Analyzed	Result	MDL	CRDL
Analyte	26-SEP-06 17:00	ND	0.381	5
Pyridine	26-SEP-06 17:00	ND	0.266	5
Phenol	26-SEP-06 17:00	ND	0.339	5
Bis(2-chloroethyl)ether	26-SEP-06 17:00	ND	0.429	5
2-Chlorophenol	26-SEP-06 17:00	ND	0.290	5
1,3-Dichlorobenzene	26-SEP-06 17:00	ND	0.379	5
1,4-Dichlorobenzene	26-SEP-06 17:00	ND	0.402	5
Benzyl Alcohol	26-SEP-06 17:00	ND	0.241	5
1,2-Dichlorobenzene	26-SEP-06 17:00	ND	0.216	5
<u>2-Methylphenol</u> Bis(2-chloroisopropyl)ether	26-SEP-06 17:00	ND	0.356	5
	26-SEP-06 17:00	ND	0.114	5
<u>4-Methylphenol</u> N-Nitrosodi-n-propyl amine	26-SEP-06 17:00	ND	0.971	5
	26-SEP-06 17:00	ND	0.272	5
<u>Hexachloroethane</u>	26-SEP-06 17:00	ND	0.392	5
Nitrobenzene	26-SEP-06 17:00	ND	0.415	5
Isophorone	26-SEP-06 17:00	ND	0.457	5
2-Nitrophenol	26-SEP-06 17:00	ND	0.992	5
2,4-Dimethylphenol	26-SEP-06 17:00	ND	3.19	20
Benzoic acid bis(2-Chloroethoxy)methane	26-SEP-06 17:00	ND	0.427	5
	26-SEP-06 17:00	ND	0.361	5
2,4-Dichlorophenol 1,2,4-Trichlorobenzene	26-SEP-06 17:00	ND	0.337	5
	26-SEP-06 17:00	ND	0.660	5
Naphthalene	26-SEP-06 17:00	ND	0.249	5
4-Chloroaniline	26-SEP-06 17:00	ND	0.353	5
Hexachlorobutadiene	26-SEP-06 17:00	ND .	0.337	5
4-Chloro-3-methylphenol	26-SEP-06 17:00	ND	0.505	5
2-Methylnaphthalene	26-SEP-06 17:00	ND	0.266	5
Hexachlorocyclopentadiene	26-SEP-06 17:00	ND	0.299	5
2,4,6-Trichlorophenol	26-SEP-06 17:00	ND	0.225	5
2,4,5-Trichlorophenol	26-SEP-06 17:00	ND	0.367	5
2-Chloronaphthalene	26-SEP-06 17:00	ND	0.361	5
2-Nitroaniline	26-SEP-06 17:00	ND	0.346	5
Dimethylphthalate	26-SEP-06 17:00	ND	0.552	5
2,6-Dinitrotoluene	26-SEP-06 17:00	ND	0.432	5
Acenaphthylene	26-SEP-06 17:00	ND	0.429	5
3-Nitroaniline	26-SEP-06 17:00	ND	0.494	5
Acenaphthene	26-SEP-06 17:00	ND	2.57	20
2,4-Dinitrophenol	26-SEP-06 17:00	ND	2.00	20
4-Nitrophenol	26-SEP-06 17:00	ND	0.577	5
Dibenzofuran	26-SEP-06 17:00	ND	0.328	5
2,4-Dinitrotoluene	26-SEP-06 17:00	ND	0.435	5
Diethylphthalate		ND	0.392	5
4-Chlorophenyl phenyl ether	26-SEP-06 17:00		0.363	5
Fluorene	26-SEP-06 17:00	ND	0.263	5
4-Nitroaniline	26-SEP-06 17:00	ND ND	2.28	20
4,6-Dinitro-2-methylphenol	26-SEP-06 17:00	ND	0.645	5
N-nitrosodiphenylamine	26-SEP-06 17:00 26-SEP-06 17:00	ND ND	0.394	5



QUALITY CONTROL DATA SHEET BLANK SAMPLE



S068M01G

DCL Sample Name: BL-250878-1 Date Printed: 29-SEP-06 09:41

Analytical Results

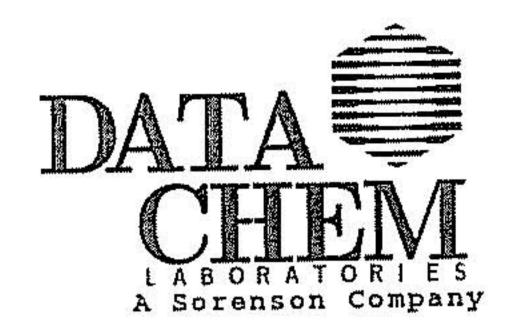
Analyte	Date Analyzed	Result	MDL	CRDL
Hexachlorobenzene	26-SEP-06 17:00	ND	0.255	5
Pentachlorophenol	26-SEP-06 17:00	ND	1.66	20
Phenanthrene	26-SEP-06 17:00	ND	0.416	5
Anthracene	26-SEP-06 17:00	ND	0.331	5
Carbazole	26-SEP-06 17:00	ND	0.327	5
Di-n-butylphthalate	26-SEP-06 17:00	ND	0.807	5
Fluoranthene	26-SEP-06 17:00	ND	0.515	5
Pyrene	26-SEP-06 17:00	ND	0.441	5
Butylbenzylphthalate	26-SEP-06 17:00	ND	4.01	5
3,3'-Dichlorobenzidine	26-SEP-06 17:00	ND	1.55	5
Benzo(a)anthracene	26-SEP-06 17:00	ND	0.335	5
Chrysene	26-SEP-06 17:00	ND	0.184	5
Bis(2-ethylhexyl)phthalate	26-SEP-06 17:00	ND	1.53	5
Di-n-octylphthalate	26-SEP-06 17:00	ND	1.32	5
Benzo(b)fluoranthene	26-SEF-06 17:00	ND	0,265	5
Benzo(k)fluoranthene	26-SEP-06 17:00	ND	0.272	5
Benzo(a)pyrene	26-SEP-06 17:00	ND	0.221	5
Indeno(1,2,3-c,d)pyrene	26-SEP-06 17:00	ND	0.412	5
Dibenz(a,h)Anthracene	26-SEP-06 17:00	ND	0.407	5
Benzo(g,h,i)perylene	26-SEP-06 17:00	ND	0.446	5

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Comment	Qual.	Dilution
Polycyclic hydrocarbon(19.02)	26-SEP-06 17:00	11.		J	1

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QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



DCL Sample Namessa: 06E04358MS Date Printed 29-SEP-06 09:41

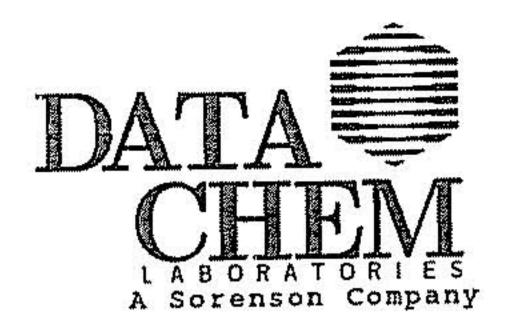
DCL Analysis Group: G068M00M Analysis Method...: SW 8270 Instrument Type...: GC/MS SV Instrument ID....: 5973-Y Column Type....: DB5 30M x .32mm X Primary

QC Limit Type : Method

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
	26-SEP-06 18:36	0.00	7.00	40.0	17.5	8.39/50.1	
Phenol	26-SEP-06 18:36	0.00	24.1	40.0	60.3	41.0/102.	
Bis(2-chloroethyl)ether	26-SEP-06 18:36	0.00	15.4	40.0	38.6	29.3/106.	
2-Chlorophenol	26-SEP-06 18:36	0.00	18.5	40.0	46.3	34.2/81.8	
1,3-Dichlorobenzene	26-SEP-06 18:36	0.00	18.7	40.0	46.8	35.1/83.7	
1,4-Dichlorobenzene	26-SEP-06 18:36	0.00	18.1	40.0	45.3	26.0/106.	tt_
Benzyl Alcohol	26-SEP-06 18:36	0.00	19.7	40.0	49.3	37.4/90.4	
1,2-Dichlorobenzene	26-SEP-06 18:36	0.00	14.1	40.0	35.3	33.0/93.0	
2-Methylphenol Bis(2-chloroisopropyl)ether	26-SEP-06 18:36	0.00	24.7	40.0	61.7	40.2/102.	
	26-SEP-06 18:36		12.4	40.0	31.0	27.2/88.9	
<u>4-Methylphenol</u> N-Nitrosodi-n-propyl amine	26-SEP-06 18:36		26.4	40.0	65.9	48.4/107.	
	26-SEP-06 18:36		17.6	40.0	43.9	31.1/80.6	
Hexachloroethane	26-SEP-06 18:36		26.1	40.0	65.1	49.8/101.	
<u>Nitrobenzene</u>	26-SEP-06 18:36		26.4	40.0	66.1	50.4/105.	
Isophorone	26-SEP-06 18:36		20.4	40.0	51.0	35.6/115.	
2-Nitrophenol	26-SEP-06 18:36		14.3	40.0	35.7	38.2/103.	*
2,4-Dimethylphenol	26-SEP-06 18:36		6.58	40.0	16.5	/76.8	
Benzoic acid	26-SEP-06 18:36		25.9	40.0	64.7	48.0/106.	
bis(2-Chloroethoxy)methane	26-SEP-06 18:36		18.2	40.0	45.5	37.5/115.	
2,4-Dichlorophenol	26-SEP-06 18:36		20.7	40.0	51.8	43.0/95.6	
1,2,4-Trichlorobenzene	26-SEP-06 18:36		23.2	40.0	58.0	48.5/96.3	[
Naphthalene	26-SEP-06 18:36		23.6	40.0	59.1	45.4/111.	
<u>4-Chloroaniline</u>	26-SEP-06 18:36		17.6	40.0	44.1	32.8/96.6	
Hexachlorobutadiene	26-SEP-06 18:36		18.2	40.0	45.4	45.2/113.	[
4-Chloro-3-methylphenol	26-SEP-06 18:36	······	24.5	40.0	61.2	50.9/104.	ļ
2-Methylnaphthalene	26-SEP-06 18:36		15.7	40.0	39.2	7.34/101.	
Hexachlorocyclopentadiene	26-SEP-06 18:36		20.3	40.0	50.9	38.7/125.	
2,4,6-Trichlorophenol	26-SEP-06 18:36	·····	19.9	40.0	49.8	40.6/122.	L
2,4,5-Trichlorophenol	26-SEP-06 18:36		24.9	40.0	62.3	54.3/104.	
2-Chloronaphthalene	26-SEP-06 18:36		29.1	40.0	72.8	58.6/110.	
2-Nitroaniline	26-SEP-06 18:36		24.2	40.0	60.4	61.9/110.	*
Dimethylphthalate			28.2	40.0	70.5	59.8/114.	N 657124
2,6-Dinitrotoluene	26-SEP-06 18:36		26.5	40.0	66.3	59.2/105.	
Acenaphthylene	26-SEP-06 18:36		32.0	40.0	79.9	43.3/136.	
3-Nitroaniline	26-SEP-06 18:36		26.2	40.0	65.5	57.2/108.	1
Acenaphthene	26-SEP-06 18:36		16.2	40.0	40.5	17.1/123.	
2,4-Dinitrophenol	26-SEP-06 18:36		······································	40.0	15.5	7.85/52.0	
4-Nitrophenol	26-SEP-06 18:36		6.19	40.0	65.8	61.0/107.	
Dibenzofuran	26-SEP-06 18:36		26.3	40.0	70.5	62.5/114.	
2,4-Dinitrotoluene	26-SEP-06 18:36		28.2		68.1	59.6/115.	
Diethylphthalate	26-SEP-06 18:36		27.2	40.0	64.2	60.7/111.	
4-Chlorophenyl phenyl ether	26-SEP-06 18:36		25.7	40.0	67.1	60.0/111.	1
Fluorene	26-SEP-06 18:36		26.8	40.0		47.2/135.	
4-Nitroaniline	26-SEP-06 18:36		33.5	40.0	83.7	27.0/128.	
4,6-Dinitro-2-methylphenol	26-SEP-06 18:36		19.9	40.0	49.8		1
N-nitrosodiphenylamine	26-SEP-06 18:36		30.4	40.0	76.0	<u>57.5/124.</u> 59.5/112.	
4-Bromophenyl Phenyl Ether	26-SEP-06 18:36		24.0	40.0	60.0		
Hexachlorobenzene	26-SEP-06 18:36	0.00	21.3	40.0	53.2	60.2/112.	

DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method....: 3510



QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



DCL Sample Name ...: 06E04358MS

Date Printed.: 29-SEP-06 09:41

Analytical Results

	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
Analyte	26-SEP-06 18:36	0.00	23.4	40.0	58.4	40.2/135.	
Pentachlorophenol	26-SEP-06 18:36	0.00	25.7	40.0	64.4	61.6/111.	
Phenanthrene		0.00	25.5	40.0	63.8	63.5/110.	
Anthracene	26-SEP-06 18:36	0.345	26.7	40.0	65.9	62.2/116.	
Di-n-butylphthalate	26-SEP-06 18:36			40.0	60.2	59.2/114.	
Fluoranthene	26-SEP-06 18:36	0.00	<u>24.1</u>	40.0	57.8	58.3/118.	*
Pyrene	26-SEP-06 18:36	0.00	23.1		63.3	60.4/121.	
Butylbenzylphthalate	26-SEP-06 18:36	0.277	25.6	40.0		28.2/160.	·····
3,3'-Dichlorobenzidine	26-SEP-06 18:36	0.00	45.7	40.0	114.		*
Benzo(a)anthracene	26-SEP-06 18:36	0.00	21.7 .	40.0	54.4	63.6/111.	4
Chrysene	26-SEP-06 18:36	0.00	21.7	40.0	54.4	61.0/115.	
Bis(2-ethylhexyl)phthalate	26-SEP-06 18:36	0.730	24.1	40.0	58.4	55.7/134.	
	26-SEP-06 18:36	0.00	21.4	40.0	53.5	50.8/132.	
Di-n-octylphthalate	26-SEP-06 18:36	0.00	19.9	40.0	49.8	61.3/111.	*
Benzo(b)fluoranthene	26-SEP-06 18:36	0.00	19.6	40.0	49.1	45.0/125.	
Benzo(k)fluoranthene	26-SEP-06 18:36	0.00	20.7	40.0	51.6	64.0/111.	*
Benzo(a)pyrene	26-SEP-06 18:36	0.00	23.6	40.0	59.1	55.9/125.	
Indeno(1,2,3-c,d)pyrene		0.00	23.4	40.0	58.5	50.7/128.	
Dibenz(a,h)Anthracene	26-SEP-06 18:36		25.8	40.0	64.4	55.9/124.	
Benzo(g,h,i)perylene	26-SEP-06 18:36	0.00	20.0	1 30.0			



SOGBLOBO

DCL Sample Name: 06E04358MSD

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
	26-SEP-06 19:08	7.03	17.6	7.01	0.0220	0.31	0.00/26.1	
Phenol	26-SEP-06 19:08		60.7	24.2	0.136	0.56	0.00/26.3	
Bis(2-chloroethyl)ether	26-SEP-06 19:08		48.1	17.3	3.83	22.	0.00/27.4	
2-Chlorophenol	26-SEP-06 19:08		48.3	18.9	0.808	4.3	0.00/41.3	
1,3-Dichlorobenzene	26-SEP-06 19:08		48.6	19.1	0.710	3.7	0.00/30.8	
1,4-Dichlorobenzene	26-SEP-06 19:08		46.6	18.4	0.520	2.8	0.00/41.1	1
Benzyl Alcohol	26-SEP-06 19:08		50.2	19.9	0.360	1.8	0.00/35.5	
1,2-Dichlorobenzene			39.8	15.0	1.80	12.	0.00/32.9	
2-Methylphenol	26-SEP-06 19:08		62.8	24.9	0.427	1.7	0.00/38.0	T
	26-SEP-06 19:08		34.4	13.1	1.33	10.	0.00/34.4	
4-Methylphenol	26-SEP-06 19:08		65.1	26.2	0.316	1.2	0.00/45.5	
N-Nitrosodi-n-propyl amine	26-SEP-06 19:08		46.0	18.0	0.842	4.7	0.00/41.7	1
Hexachloroethane	26-SEP-06 19:08		63.9	25.8	0.488	1.9	0.00/32.8	
Nitrobenzene	26-SEP-06 19:08			26.3	0.172	0.65	0.00/38.4	-
Isophorone	26-SEP-06 19:08		65.6	23.7	6.62	28.	0.00/30.6	
2-Nitrophenol	26-SEP-06 19:08		67.6		2.55	16.	0.00/51.4	
2,4-Dimethylphenol	26-SEP-06 19:08		42.0	15.5	0.793	13.	0.00/74.3	
Benzoic acid	26-SEP-06 19:08		14.5	6.18		0.64	0.00/36.0	
bis(2-Chloroethoxy)methane	26-SEP-06 19:08		65.2	26.0	0.166		0.00/34.1	
2,4-Dichlorophenol	26-SEP-06 19:08		56.4	20.4	4.37	21.	0.00/29.1	
1,2,4-Trichlorobenzene	26-SEP-06 19:08		52.2	20.8	0.153	0.74	0.00/36.0	
Naphthalene	26-SEP-06 19:08		58.1	23.2	0.0380			
4-Chloroaniline	26-SEP-06 19:08		54.3	22.7	1.91	8.4	0.00/28.0	
Hexachlorobutadiene	26-SEP-06 19:00	3 19.0	47.5	18.3	1.39	7.6	0.00/42.6	
4-Chloro-3-methylphenol	26-SEP-06 19:08	3 22.4	55.9	20.3	4.20	21.	0.00/23.6	
2-Methylnaphthalene	26-SEP-06 19:08	3 24.6	61.6	24.6	0.134	0.55	0.00/22.0	
Hexachlorocyclopentadiene	26-SEP-06 19:08	18.7	46.6	17.2	2.96	17.	0.00/83.0	
2,4,6-Trichlorophenol	26-SEP-06 19:08	3 25.2	62.9	22.8	4.84	21.	0.00/31.5	
2,4,5-Trichlorophenol	26-SEP-06 19:00		61.7	22.3	4.78	21.	0.00/27.7	_



QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE

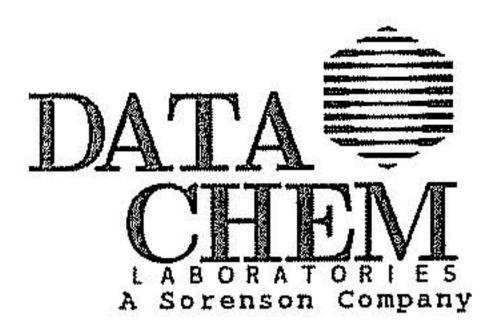


DCL Sample Name ...: 06E04358MSD

Date Printed....: 29-SEP-06 09:41

Analytical Results

	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
Analyte	26-SEP-06 19:08	and the second	64.4	25.3	0.817	3.2	0.00/38.8	<u> </u>
<u>C-CILOLOMAPHANALONA</u>	26-SEP-06 19:08		73.0	29.2	0.0780	0.27	0.00/33.8	1
2-Nitroaniline	26-SEP-06 19:08		70.4	26.2	4.02	15.	0.00/32.1	
Dimethylphthalate	26-SEP-06 19:08		72.5	28.6	0.804	2.8	0.00/38.9	
cio Mana er o dok a ente	26-SEP-06 19:08		68.9	27.0	1.01	3.7	0.00/36.0	<u> </u>
Acenaphthylene	1		77.2	31.4	1.07	3.4	0.00/52.0	
3-Nitroaniline	26-SEP-06 19:08		67.9	26.7	0.962	3.6	0.00/25.4	
Acenaphthene	26-SEP-06 19:08		54.0	18.9	5.40	29.	0.00/59.5	
2,4-Dinitrophenol	26-SEP-06 19:08	*******	15.6	6.21		0.43	0.00/33.0	
4-Nitrophenol	26-SEP-06 19:08		68.3	26.8	1.04	3.9	0.00/33.8	
Dibenzofuran	26-SEP-06 19:08		73.2	28.7	1.09	3.8	0.00/29.4	
2,4-Dinitrotoluene	26-SEP-06 19:08		73.9	28.4	2.33	8.2	0.00/34.0	
Diethylphthalate	26-SEP-06 19:08			27.0	2.57	9.5	0.00/36.8	
4-Chlorophenyl phenyl ether	26-SEP-06 19:08		70.7	27.7	1.73	6.2	0.00/37.9	1
Fluorene	26-SEP-06 19:08		71.4	33.4	0.0730	0.22	0.00/46.9	
4-Nítroaniline	26-SEP-06 19:08		83.5	22.1	4.29	19.	0.00/39.7	1
4,6-Dinitro-2-methylphenol	26-SEP-06 19:08		60.5		1.84	5.9	0.00/32.9	-
N-nitrosodiphenylamine	26-SEP-06 19:08		80.6	31.3	3.46	13.	0.00/43.4	
4-Bromophenyl Phenyl Ether	26-SEP-06 19:08		68.6	25.7	5.38	22.	0.00/31.8	1
Hexachlorobenzene	26-SEP-06 19:08		66.7	24.0			0.00/36.5	
Pentachlorophenol	26-SEP-06 19:08		67.3	25.1	3.55	14.	0.00/33.6	
Phenanthrene	26-SEP-06 19:08		70.8	27.0	2.58	9.5	0.00/34.0	
Anthracene	26-SEP-06 19:08	MANTER AND	73.1	27.4	3.73	14.		
Di-n-butylphthalate	26-SEP-06 19:08		73.8	28.3	3.16	11.	0.00/44.4	
Fluoranthene	26-SEP-06 19:08		73.6	26.7	5.36	20.	0.00/48.7	_
Pyrene	26-SEP-06 19:08		67.5	25.0	3.89	16.	0.00/23.4	
Butylbenzylphthalate	26-SEP-06 19:08		73.0	27.5	3.88	14.	0.00/26.2	
3,3'-Dichlorobenzidine	26-SEP-06 19:08	3 32.9	82.2	39.3	12.8	33.	0.00/72.9	
Benzo(a)anthracene	26-SEP-06 19:08	3 27.6	69.1	24.7	5.88	24.	0.00/30.0	
Chrysene	26-SEP-06 19:08	3 27.6	69.1	24.7	5.88	24.	0.00/37.6	<u> </u>
Bis(2-ethylhexyl)phthalate	26-SEP-06 19:08	3 29.0	70.7	26.5	4.93	19.	0.00/24.6	
Di-n-octylphthalate	26-SEP-06 19:08	3 28.3	70.8	24.9	6.90	28.	0.00/37.0	
Benzo(b)fluoranthene	26-SEP-06 19:08	3 24.9	62.3	22.4	5.00	22.	0.00/35.2	
Benzo(k)fluoranthene	26-SEP-06 19:08	million and a second seco	64.1	22.6	6.03	27.	0.00/50.0	
Benzo(a)pyrene	26-SEP-06 19:01		67.2	23.8	6.22	26.	0.00/32.5	
Indeno(1,2,3-c,d)pyrene	26-SEP-06 19:00		80.1	27.8	8.42	30.	0.00/45.9	
Dibenz(a,h)Anthracene	26-SEP-06 19:00		79.6	27.6	8.44	31.	0.00/35.0	_
Benzo(g,h,i)perylene	26-SEP-06 19:00		83.0	29.5	7.46	25.	0.00/46.7	



QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE Form RLIMS63F-V1.4 09290609412192 Page 36

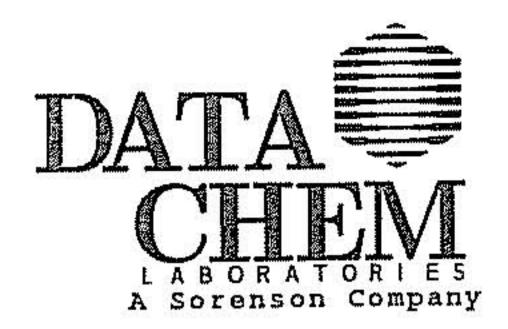
DCL Sample Names...: 06E04365MS Date Printed....: 29-SEP-06 09:41

DCL Preparation Group: G068M00M Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 3510 DCL Analysis Group: G068M00M Analysis Method: SW 8270 Instrument Type: GC/MS SV Instrument ID: 5973-Y Column Type: DB5 30M x .32mm X Primary

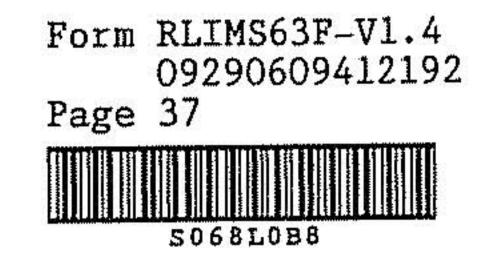
QC Limit Type : Method

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
Phenol	26-SEP-06 23:26	0.00	8,45	40.0	21.1	8.39/50.1	
Bis(2-chloroethyl)ether	26-SEP-06 23:26	0.00	27.1	40.0	67.7	41.0/102.	
2-Chlorophenol	26-SEP-06 23:26	0.00	21.6	40.0	54.1	29.3/106.	
1,3-Dichlorobenzene	26-SEP-06 23:26	0.00	23.6	40.0	59.0	34.2/81.8	
1,4-Dichlorobenzene	26-SEP-06 23:26	0.00	24.0	40.0	59.9	35.1/83.7	
Benzyl Alcohol	26-SEP-06 23:26	0.00	21.4	40.0	53.4	26.0/106.	
1,2-Dichlorobenzene	26-SEP-06 23:26	0.00	24.3	40.0	60.9	37.4/90.4	
2-Methylphenol	26-SEP-06 23:26	0.00	18.7	40.0	46.7	33.0/93.0	
Bis(2-chloroisopropyl)ether	26-SEP-06 23:26	0.00	27.6	40.0	68.9	40.2/102.	
4-Methylphenol	26-SEP-06 23:26	0.00	16.2	40.0	40.5	27.2/88.9	
N-Nitrosodi-n-propyl amine	26-SEP-06 23:26	0.00	28.5	40.0	71.3	48.4/107.	
Hexachloroethane	26-SEP-06 23:26	0.00	22.4	40.0	56.0	31.1/80.6	
Nitrobenzene	26-SEP-06 23:26	0.00	27.7	40.0	69.3	49.8/101.	
Isophorone	26-SEP-06 23:26	0.00	27.4	40.0	68.5	50.4/105.	
2-Nitrophenol	26-SEP-06 23:26	0.00	26.9	40.0	67.4	35.6/115.	
2,4-Dimethylphenol	26-SEP-06 23:26	0.00	21.3	40.0	53.2	38.2/103.	
Benzoic acid	26-SEP-06 23:26	0.00	8.37	40.0	20.9	/76.8	
bis(2-Chloroethoxy)methane	26-SEP-06 23:26	0.00	27.6	40.0	68.9	48.0/106.	a 1943 Batalanan Di
2,4-Dichlorophenol	26-SEP-06 23:26	0.00	24.9	40.0	62.3	37.5/115.	
1,2,4-Trichlorobenzene	26-SEP-06 23:26	0.00	24.3	40.0	60.8	43.0/95.6	
Naphthalene	26-SEP-06 23:26	0.00	26.2	40.0	65.5	48.5/96.3	
4-Chloroaniline	26-SEP-06 23:26	0.00	19.8	40.0	49.6	45.4/111.	
Hexachlorobutadiene	26-SEP-06 23:26	0.00	20.2	40.0	50.6	32.8/96.6	co cohate doracio
4-Chloro-3-methylphenol	26-SEP-06 23:26	0.00	24.9	40.0	62.3	45.2/113.	
2-Methylnaphthalene	26-SEP-06 23:26	0.00	26.6	40.0	66.6	50.9/104.	
Hexachlorocyclopentadiene	26-SEP-06 23:26	0.00	18.3	40.0	45.7	7.34/101.	
2,4,6-Trichlorophenol	26-SEP-06 23:26	0.00	27.5	40.0	68.8	38.7/125.	
2,4,5-Trichlorophenol	26-SEP-06 23:26	0.00	27.2	40.0	68.1	40.6/122.	
2-Chloronaphthalene	26-SEP-06 23:26	0.00	26.8	40.0	67.1	54.3/104.	
2-Nitroaniline	26-SEP-06 23:26	0.00	30.6	40.0	76.4	58.6/110.	
Dimethylphthalate	26-SEP-06 23:26	0.00	29.6	40.0	74.0	61.9/110.	an soeduluur s
2,6-Dinitrotoluene	26-SEP-06 23:26	0.00	30.0	40.0	75.1	59.8/114.	
Acenaphthylene	26-SEP-06 23:26	0.00	28.5	40.0	71.2	59.2/105.	
3-Nitroaniline	26-SEP-06 23:26	0.00	30.0	40.0	75.1	43.3/136.	2622200
Acenaphthene	26-SEP-06 23:26	0.00	27.8	40.0	69.6	57.2/108.	
2,4-Dinitrophenol	26-SEP-06 23:26	0.00	23.6	40.0	59.0	17.1/123.	
4-Nitrophenol	26-SEP-06 23:26	0.00	8.37	40.0	20.9	7.85/52.0	
Dibenzofuran	26-SEP-06 23:26	0.00	28.0	40.0	69.9	61.0/107.	ante de la companya d
2,4-Dinitrotoluene	26-SEP-06 23:26	0.00	31.2	40.0	78.0	62.5/114.	·····
Diethylphthalate	26-SEP-06 23:26	0.328	31.2	40.0	77.2	59.6/115.	
	26-SEP-06 23:26	0.00	27.0	40.0	67.5	60.7/111.	
4-Chlorophenyl phenyl ether	26-SEP-06 23:26	0.00	28.4	40.0	71.0	60.0/111.	
Fluorene	26-SEP-06 23:26	the second se	32.3	40.0	80.6	47.2/135.	
4-Nitroaniline		0.00			64.1	27.0/128.	
4,6-Dinitro-2-methylphenol	26-SEP-06 23:26	0.00	25.6	40.0		f	
N-nitrosodiphenylamine	26-SEP-06 23:26	0.00	35.1	40.0	87.6	57.5/124.	a atanini i
4-Bromophenyl Phenyl Ether	26-SEP-06 23:26	0.00	26.2	40.0	65.5	59.5/112.	
Hexachlorobenzene	26-SEP-06 23:26	0.00	25.5	40.0	63.7	60.2/112.	



QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



DCL Sample Name...: 06E04365MS

Date Printed....: 29-SEP-06 09:41

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
Pentachlorophenol	26-SEP-06 23:26	0.00	30.6	40.0	76.4	40.2/135.	
Phenanthrene	26-SEP-06 23:26	0.00	27.5	40.0	68.8	61.6/111.	
Anthracene	26-SEP-06 23:26	0.00	28.0	40.0	70.0	63.5/110.	:
Di-n-butylphthalate	26-SEP-06 23:26	0.616	27.8	40.0	68.0	62.2/116.	
Fluoranthene	26-SEP-06 23:26	0.00	25.1	40.0	62.8	59.2/114.	
Pyrene	26-SEP-06 23:26	0.00	29.0	40.0	72.6	58.3/118.	
Butylbenzylphthalate	26-SEP-06 23:26	0,833	29.6	40.0	72.0	60.4/121.	
3,3'-Dichlorobenzidine	26-SEP-06 23:26	0.00	50.6	40.0	127.	28.2/160.	
Benzo(a)anthracene	26-SEP-06 23:26	0.00	27.0	40.0	67.6	63.6/111.	
Chrysene	26-SEP-06 23:26	0.00	27.5	40.0	687	61.0/115.	·····
Bis(2-ethylhexyl)phthalate	26-SEP-06 23:26	1.10	29.9	40.0	71.9	55.7/134.	
Di-n-octylphthalate	26-SEP-06 23:26	0.00	28.0	40.0	70.1	50.8/132.	
Benzo(b)fluoranthene	26-SEP-06 23:26	0.00	24.8	40.0	61.9	61.3/111.	
Benzo(k)fluoranthene	26-SEP-06 23:26	0.00	24.9	40.0	62.3	45.0/125.	
Benzo(a)pyrene	26-SEP-06 23:26	0.00	27.1	40.0	67.7	64.0/111.	
Indeno(1,2,3-c,d)pyrene	26-SEP-06 23:26	0.00	35.4	40.0	88.4	55.9/125.	
Dibenz(a,h)Anthracene	26-SEP-06 23:26	0.00	34.6	40.0	86.5	50.7/128.	
Benzo(g,h,i)perylene	26-SEP-06 23:26	0.00	36.3	40.0	90.8	55.9/124.	



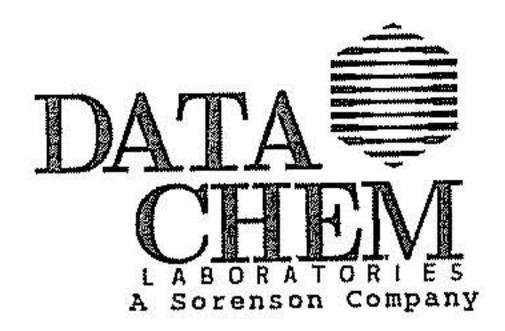
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DCL Sample Name...: 06E04365MSD

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
Phenol	26-SEP-06 23:59	6.67	16.7	7.56	1.78	24.	0.00/26.1	
Bis(2-chloroethyl)ether	26-SEP-06 23:59		62.3	26.0	2.15	8.3	0.00/26.3	
2-Chlorophenol	26-SEP-06 23:59		44.9	19.8	3.68	19.	0.00/27.4	
1,3-Dichlorobenzene	26-SEP-06 23:59		53.3	22.5	2.30	10.	0.00/41.3	<u> </u>
1,4-Dichlorobenzene	26-SEP-06 23:59		54.1	22.8	2.31	10.	0.00/30.8	
Benzyl Alcohol	26-SEP-06 23:59		48.2	20.3	2.07	10.	0.00/41.1	
1,2-Dichlorobenzene	26-SEP-06 23:59		55.6	23.3	2.11	9.0	0.00/35.5	
2-Methylphenol	26-SEP-06 23:59	· · ·	-37.5	16.8	3.67.	22.	0.00/32.9	
Bis(2-chloroisopropyl)ether	26-SEP-06 23:59		64.9	26.8	1.60	6.0	0.00/38.0	
4-Methylphenol	26-SEP-06 23:59	1	32.6	14.6	3.18	22.	0.00/34.4	
N-Nitrosodi-n-propyl amine	26-SEP-06 23:59	26.8	66.9	27.6	1.78	6.4	0.00/45.5	
Hexachloroethane	26-SEP-06 23:59	21.1	52.7	21.7	1.30	6.0	0.00/41.7	
Nitrobenzene	26-SEP-06 23:59	26.2	65.6	27.0	1.49	5.5	0.00/32.8	
Isophorone	26-SEP-06 23:59	26.2	65.5	26.8	1.17	4.4	0.00/38.4	
2-Nitrophenol	26-SEP-06 23:59	23.6	59.0	25.3	3.35	13.	0.00/30.6	
2,4-Dimethylphenol	26-SEP-06 23:59	14.9	37.3	18.1	6.34	35.	0.00/51.4	
Benzoic acid	26-SEP-06 23:59	6.05	15.1	7.21	2.33	32.	0.00/74.3	4
bis(2-Chloroethoxy)methane	26-SEP-06 23:59	26.4	66.1	27.0	1.11	4.1	0.00/36.0	
2,4-Dichlorophenol	26-SEP-06 23:59	21.2	53.0	23.1	3.69	16.	0.00/34.1	
1,2,4-Trichlorobenzene	26-SEP-06 23:59	22.7	56.8	23.5	1.57	6.7	0.00/29.1	<u> </u>
Naphthalene	26-SEP-06 23:59	24.7	61.7	25.4	1.53	6.0	0.00/36.0	
4-Chloroaniline	26-SEP-06 23:59	21.8	54.4	20.8	1.93	9.3	0.00/28.0	
Hexachlorobutadiene	26-SEP-06 23:59	19.7	49.2	20.0	0.576	2.9	0.00/42.6	
4-Chloro-3-methylphenol	26-SEP-06 23:59	20.7	51.8	22.8	4.21	18.	0.00/23.6	
2-Methylnaphthalene	26-SEP-06 23:59	25.5	63.6	26.0	1.17	4.5	0.00/22.0	
Hexachlorocyclopentadiene	26-SEP-06 23:59	16.5	41.1	17.4	1.83	11.	0.00/83.0	
2,4,6-Trichlorophenol	26-SEP-06 23:59	23.4	58.4	25.4	4.16	16.	0.00/31.5	
2,4,5-Trichlorophenol	26-SEP-06 23:59	23.1	57.7	25.2	4.15	16.	0.00/27.7	



QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



DCL Sample Name...: 06E04365MSD

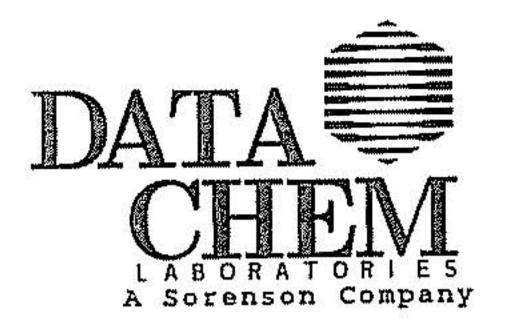
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Analytical Results

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N m a 3 st fr a	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
Analyte	26-SEP-06 23:59		64.0	26.2	1.23	4.7	0.00/38.8	
2-Chloronaphthalene	26-SEP-06 23:59		72.0	29.7	1.79	6.0	0.00/33.8	
2-Nitroaniline	26-SEP-06 23:59		69.1	28.6	1.96	6.8	0.00/32.1	
Dimethylphthalate	26-SEP-06 23:59		71.4	29.3	1.45	4.9	0.00/38.9	
2,6-Dinitrotoluene			68.2	27.9	1.22	4.4	0.00/36.0	545.0MR
Acenaphthylene	26-SEP-06 23:59		75.4	30.1	0.110	0.37	0.00/52.0	
3-Nitroaniline	26-SEP-06 23:59		65.9	27.1	1.47	5.4	0.00/25.4	
Acenaphthene	26-SEP-06 23:59		45.8	21.0	5.25	25.	0.00/59.5	
2,4-Dinitrophenol	26-SEP-06 23:59			7.26	2.23	31.	0.00/33.0	1
4-Nitrophenol	26-SEP-06 23:59		15.3	27.3	1.38	5.1	0.00/33.8	
Dibenzofuran	26-SEP-06 23:59		66.4		1.96	6.5	0.00/29.4	
2,4-Dinitrotoluene	26-SEP-06 23:59		73.1	30.2	2.36	7.9	0.00/34.0	
Diethylphthalate	26-SEP-06 23:59		71.2	30.0	1.55	5.9	0.00/36.8	1
4-Chlorophenyl phenyl ether	26-SEP-06 23:59		63.6	26.2		5.1	0.00/37.9	1
Fluorene	26-SEP-06 23:59		67.4	27.7	1.41		0.00/46.9	
4-Nitroaniline	26-SEP-06 23:59		74.1	31.0	2.61	8.4	0.00/39.7	•
4,6-Dinitro-2-methylphenol	26-SEP-06 23:59	1	50.2	22.9	5.54		0.00/32.9	
N-nitrosodiphenylamine	26-SEP-06 23:59		80.4	33.6	2.90	8.6	0.00/32.9	1
4-Bromophenyl Phenyl Ether	26-SEP-06 23:59		59.7	25.1	2.32	9.2		
Hexachlorobenzene	26-SEP-06 23:59		56.7	24.1	2.81	12.	0.00/31.8	
Pentachlorophenol	26-SEP-06 23:59		61.5	27.6	5.96	22.	0.00/36.5	
Phenanthrene	26-SEP-06 23:59	25.5	63.8	26.5	2.00	7.5	0.00/33.6	
Anthracene	26-SEP-06 23:59	25.7	64.1	26.8	2.33	8.7	0.00/34.0	
Di-n-butylphthalate	26-SEP-06 23:59	25.5	62.3	26.7	2.27	8.5	0.00/44.4	
Fluoranthene	26-SEP-06 23:59	22.8	57.0	24.0	2.33	9.7	0.00/48.7	
Pyrene	26-SEP-06 23:59	24.7	61.8	26.9	4.32	16.	0.00/23.4	
Butylbenzylphthalate	26-SEP-06 23:59	27.2	65.8	28.4	2.48	8.7	0.00/26.2	
3,3'-Dichlorobenzidine	26-SEP-06 23:59	47.6	119.	49.1	3.04	6.2	0.00/72.9	<u> </u>
Benzo(a)anthracene	26-SEP-06 23:59		58.2	25.1	3.77	15.	0.00/30.0	
Chrysene	26-SEP-06 23:59	23.4	58.4	25.4	4.12	16.	0.00/37.6	
Bis(2-ethylhexyl)phthalate	26-SEP-06 23:59		63.2	28.1	3.50	12.	0.00/24.6	
Di-n-octylphthalate	26-SEP-06 23:59		64.7	27.0	2.16	8.0	0.00/37.0	
Benzo(b)fluoranthene	26-SEP-06 23:59		56.8	23.7	2.07	8.7	0.00/35.2	
Benzo(k)fluoranthene	26-SEP-06 23:55		52.7	23.0	3.84	17.	0.00/50.0	
	26-SEP-06 23:59		57.8	25.1	3.97	16.	0.00/32.5	
Benzo(a)pyrene	26-SEP-06 23:5		69.6	31.6	7.54	24.	0.00/45.9	
Indeno(1,2,3-c,d)pyrene	26-SEP-06 23:5		69.1	31.1	6.97	22.	0.00/35.0	
Dibenz(a,h)Anthracene	26-SEP-06 23:5		71.6	32.5	7.71	24.	0.00/46.7	
Benzo(g,h,i)perylene	20-35F-08 23:3:							



QUALITY CONTROL DATA SHEET SURROGATE SUMMARY



Client Name.....: North Dakota State Water Commission Release Number....: CCS Sampling

Date Printed: 29-SEP-06 09:41

DCL Analysis Group: G068M00M Analysis Method....: SW 8270

DCL Prep Group. ...: G068M00M Preparation Method: 3510

QC Limit Type : Method

Surrogate Recoveries

Augus Th	2 4 6-7	ribromoph	enol	2-Flu	orobiphen	yl		uoropheno	1
<u>Surr. ID</u> QC Limits	3	3.2/134.		4	14.9/109.		and the second se	.41/74.4	
DCL Sample Number	Analyte Result	Spiked Amount	Rec. Q	Analyte Result	Spiked Amount	Rec.Q	Analyte Result	Spiked Amount	Rec. Q
06E04358	14.1	50.0	28.1 *	27.7	50.0	55.5	8.35	50.0	16.7
06E04358MS	27.9	50.0	55.7	30.0	50.0	60.1	12.0	50.0	24.0
06E04358MSD	33.4	50.0	66.8	31.5	50.0	62.9	13.6	50,0	27.3
06E04359	35.2	50.0	70.4	37.9	50.0	75.9	16.2	50.0	32.4
06E04360	36.5	50.0	72.9	35.2	50.0	70.5	17.5	50.0	35.1
06E04362	31.9	50.0	63.8	40.0	50.0	80.0	13.8	50.0	27.6
00004002									

06E04362	31.9	50.0	00.0	10.0					
06E04363	35.5	50.0	71.0	31.7	50.0	63.5	14.9	50.0	29.9
06E04364	30.9	50.0	61.8	33.4	50.0	66.8	11.9	50.0	23.7
D6E04365	39.5	50.0	79.1	34.3	50.0	68.6	15.3	50.0	30.7
06E04365MS	37.6	50.0	75.2	30.4	50.0	60.7	15.7	50.0	31.4
06E04365MSD	30.7	50.0	61.5	30.7	50.0	61.3	12.7	50.0	25.4
06E04366	29.1	50.0	58.1	33.3	50.0	66.5	12.4	50.0	24.9
06E04367	33.0	50.0	65.9	40.4	50.0	80.8	14.8	50.0	29.5
06E04368	30.3	50.0	60.5	24.8	50.0	49.7	17.5	50.0	35.0
06E04369	39.5	50.0	79.1	36.7	50.0	73.4	25.0	50.0	50.0
06E04370	28.7	50.0	57.5	26.3	50.0	52.7	17.2	50.0	34.5
06E04373	31.6	50.0	63.2	33.4	50.0	66.9	13.8	50.0	27.6
BL-250878-1	31.0	50.0	62.0	33.3	50.0	66.6	14.1	50.0	28.2
QC-250878-1	37.5	50.0	75.1	33.2	50.0	66.4	16.0	50.0	32.1
Surr. ID	Niti	obenzene-	d5		Phenol-d5			phenyl-dl	4
QC Limits		13.5/109.			0.00/66.3		and the second	34.7/147.	
DCL Sample	Analyte	Spiked	*	Analyte	Spiked	1 . *	Analyte	Spiked Amount	Rec. Q
Number	Result	Amount	Rec. Q		Amount	Rec. Q	Result		
06E04358	33.4	50.0	66.7	7.05	50.0	14.1	11.7	50.0	23.5 *
06E04358MS	34.2	50.0	68.5	8.34	50.0	16.7	14.2	50.0	28.3 *
06E04358MSD	33.4	50.0	66.7	8.47	50.0	16.9	26.1	50.0	52.2
06E04359	41.5	50.0	82.9	10.1	50.0	20.2	37.4	50.0	74.7
06E04360	40.4	50.0	80.8	11.0	50.0	22.0	21.1	50.0	42.2
06E04362	46.1	50.0	92.2	8.96	50.0	17.9	31.3	50.0	62.7
06E04363	38.5	50.0	76.9	8.91	50.0	17.8	28.9	50.0	57.8
06E04364	36.1	50.0	72.2	8.04	50.0	16.1	22.5	50.0	45.1
06E04365	36.8	50.0	73.6	9.19	50.0	18.4	27.8	50.0	55.7
06E04365MS	35.2	50.0	70.4	9,79	50.0	19.6	22.1	50.0	44.2
	34.5	50.0	68.9	7.74	50.0	15.5	17.6	50.0	35.3
00604303130	27								44.6
	36.9	50.0	73.8	8.37	50.0	16.7	22.3	50.0	
06204366			······	8.37 10.1	50.0 50.0	16.7 20.2	23.8	50.0	47.7
06E04366 06E04367	36.9	50.0	73.8				23.8 34.7	50.0 50.0	47.7 69.4
06E04366 06E04367 06E04368	36.9 45.5 25.8	50.0 50.0	73.8 91.0	10.1	50.0	20.2	23.8	50.0 50.0 50.0	47.7 69.4 90.3
06E04366 06E04367 06E04368 06E04369	36.9 45.5 25.8 39.9	50.0 50.0 50.0	73.8 91.0 51.6	10.1 12.0	50.0 50.0	20.2 24.1	23.8 34.7	50.0 50.0 50.0 50.0	47.7 69.4 90.3 66.6
06E04365MSD 06E04366 06E04367 06E04368 06E04369 06E04370 06E04373	36.9 45.5 25.8 39.9 28.1	50.0 50.0 50.0 50.0 50.0	73.8 91.0 51.6 79.7	10.1 12.0 17.5	50.0 50.0 50.0	20.2 24.1 35.0	23.8 34.7 45.1	50.0 50.0 50.0	47.7 69.4 90.3
06E04366 06E04367 06E04368 06E04369	36.9 45.5 25.8 39.9	50.0 50.0 50.0 50.0	73.8 91.0 51.6 79.7 56.2	10.1 12.0 17.5 12.0	50.0 50.0 50.0 50.0	20.2 24.1 35.0 24.1	23.8 34.7 45.1 33.3	50.0 50.0 50.0 50.0	47.7 69.4 90.3 66.6

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	manyon Ching	Relinquished By: (Signature)	SAMPLE PRE Sample Prep/Analysis for Prepared/Analyzed by:
	20/12/20	Date/Time 09/20 606	EPARATION / ANALYSIS C
	LAN -	Received By:	ANALYSIS CH

Project/Joh/Task:	Task: P0186001		Split:	
Client: Nort	North Dakota State Water	ater Commission		
Comments:				
Verified:	Phillell &	2002	N.V.	
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11-Sep-2006	13102	06E04358MS		Z
11-Sep-2006	13102	06E04358MSD		SW
13-Sep-2006	FIELD BLANK	06E04359		
11-Sep-2006	13086	06E04360		
11-Sep-2006	13101	06E04362		
11-Sep-2006	13103	06E04363		
11-Sep-2006	13104	06E04364		
11-Sep-2006	13087	06E04365		
12-Sep-2006	13087	06E04365MS		M

Earliest Sampling Date: 11-Sep-2006

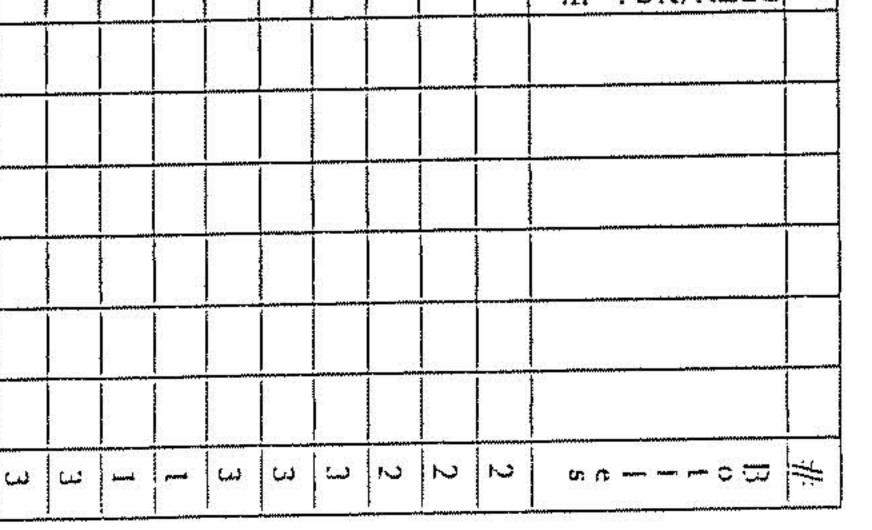
CHAIN-OF-CUSTODY

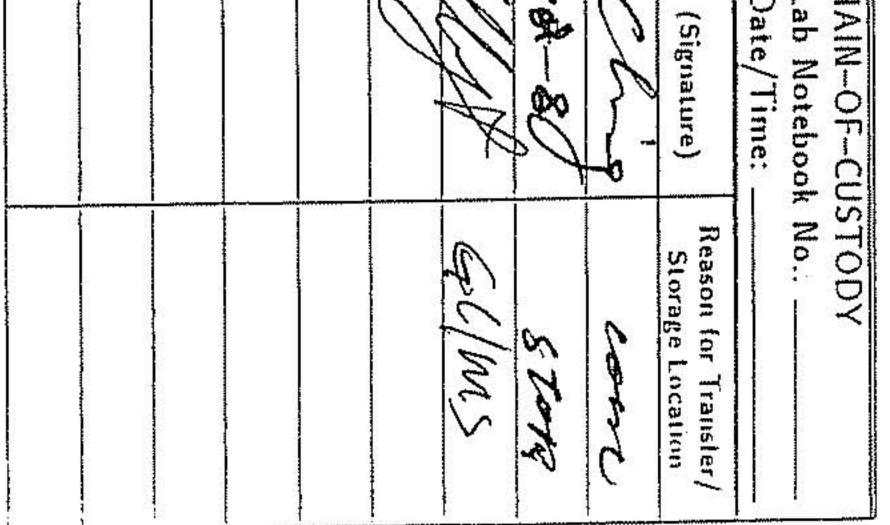
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Page 1 of 2

Results due by: 29-Sep-2006





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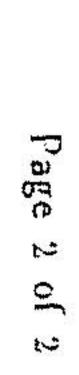
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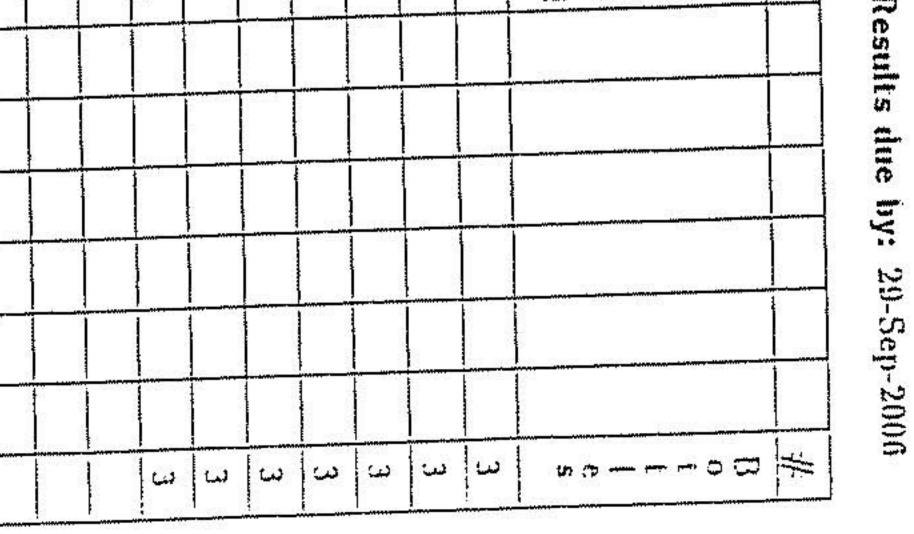
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Signature) Date/	Relinquished By: (Signature)	Reason for Transfer/ Storage Location	Received By: (Signature)	Date/Time	quished By: (Signature)
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SAMPLE PREPAR	SAM			and a second	

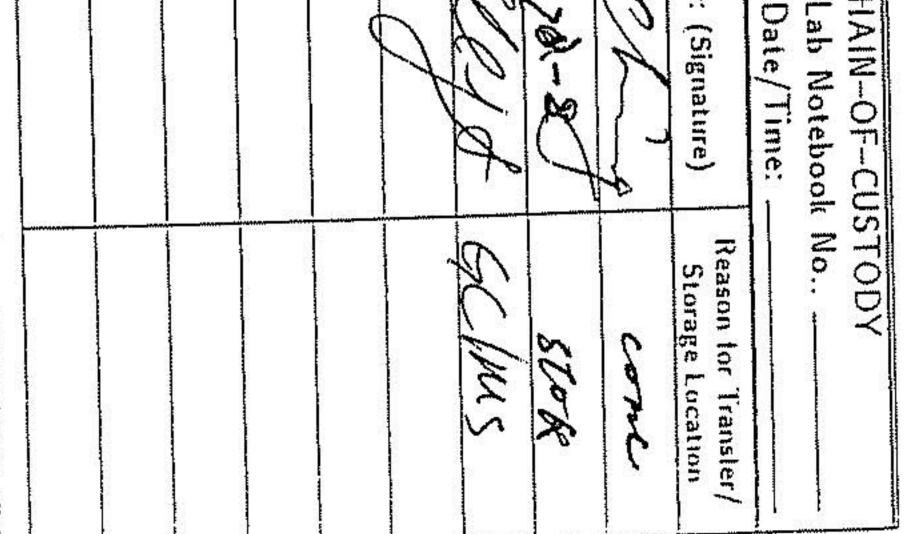
Uninet / Inh / Tack-	Tack: P0186001		Split:		Root Set IC	ID: 06E-0590 *	Reporting Group	<u> </u>	
Client: Nort	20	ter Commission				Account: 08001		ovint	130-E 5 px 1 px
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Verified:		DCL Sample / D	DCL Sample	8	Matrix	Customer ID 2		ļ	20200220
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12-Sep-2006	13097	06E04366			WATER				< : < :
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12-Sep-2000		0700101000			WATTRR	FIELD DUP		×	$ \times$
12-Sep-2006	SOUTH STUDING	0104000						×	$\frac{\times}{\times}$
12-Sep-2006	13102	06E04373			WAT BIC				
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Earliest Sampling Date: 11-Sep-2006

ataChem CHVIN-OE-COST.ODA Laboratories







Printed 9/19/2006 17:0

Appendix B-3, EPA Method 8330



Case Narrative

Method:	8330	Client:	North Dakota State
			Water Commission
Analysis:	Explosives	Account:	8001
Preparation SOP #:	OL-SW-8330	Matrix:	Water
Analysis SOP#:	OL-SW-8330		
DCL Set ID's:	06E-0590-03		

General Set Information: This set contained eleven field samples, a method blank, a laboratory control sample (LCS), and two sets of a matrix spike and a matrix spike duplicate (MS/MSD)

Method Summary: The samples were extracted using the double salting out procedure prescribed in EPA method 8330. An aliquot of 770 mL of each sample was saturated with salt and extracted twice with acetonitrile by stirring at timed intervals. The acetonitrile extracts were combined and re-extracted with fresh salt water. The final volume of the extract was adjusted to 5 mL for each sample and filtered through a 0.45 um PTFE filter. One part acetonitrile extract was mixed with one part of a 1% calcium chloride solution, then injected into an HP1050 HPLC equipped with UV detection and a Phenomenex Ultracarb ODS(20) C18 column. The instrument was adjusted to the proper operating parameters and allowed to equilibrate until a stable baseline was established. Initial calibration standards were analyzed and linear calibration curves were generated from the data. A continuing calibration standard was analyzed at the beginning of sample analysis, after each ten samples and at the end of the analysis. The response of the continuing calibration standard must be within method limits when compared to the initial calibration curve.

Samples and QCs were analyzed under identical conditions as those used for initial and continuing calibration. Quantitation was based on calibration curves using the initial calibration standards. Results were reported in units of $\mu g/L_{-}$

Holding Times: The samples were extracted outside of method required hold times but were analyzed within method holding times. A Nonconformance/Corrective Action Report (DCL Document# 910) was initiated.

Dilution(s): No dilutions were needed for this set.

Quality Control Data:

Blank No confirmed method analytes were detected in the method blank sample above half of the CRDL.

Laboratory Control Sample: All LCS analyte recoveries were within performance limits.

MS/MSD Matrix spiking was performed on samples 06E04358 and 06E04365 (client samples 13102 and 13087, respectively). All MS and MSD analyte recoveries were within performance limits, with the following exceptions. 2,3&4-Nitrotoluene, nitrobenzene, and tetryl failed percent recoveries for sample 06E04358MS. Tetryl failed percent recovery for sample 06E04358MSD. All MS and MSD analyte RPD's (except for tetryl in sample 06E04358MS and MSD) were outside of performance limits, most likely due to matrix effects.

Surrogate recovery: Surrogate recoveries were acceptable for all samples, except samples 06E04358MS and 06E04365MSD.

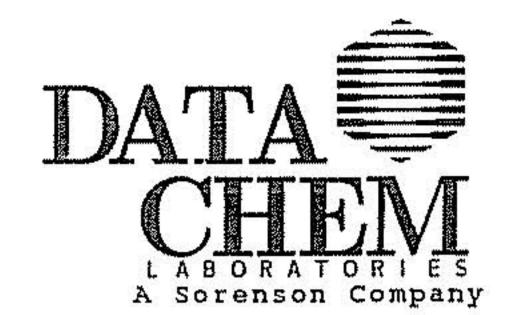
Instrument QC: All initial instrumental and continuing calibration samples met method criteria.

NC/CAR: DCL Document#910 (see holding times above).

Miscellaneous Comments: None.

Confirmation Analyses: Any sample with a positive result above the MDL was qualitatively analyzed for confirmation on a second column. For samples requiring confirmation, one part acetonitrile extract was mixed with one part of a 1% calcium chloride solution, then injected into an HP1050 HPLC equipped with UV detection and Phenomenex Synergi Polar-RP column. The instrument was adjusted to the proper operating parameters and allowed to equilibrate until a stable baseline was established. A CCV standard was run to establish retention times and a standard at the reporting limits was run to verify low concentration sensitivity. The second column analyses were used for qualitative confirmation of analytes based on retention time. If a positive result is confirmed, the quantitative result from the primary column is reported.

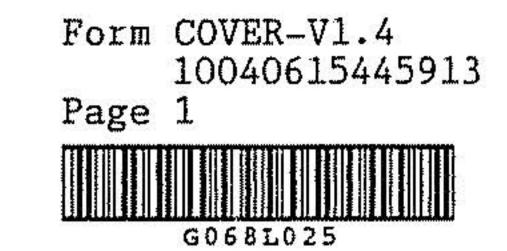
00101010 TomBosch Tom Bosch Date



COVER PAGE

ANALYTICAL REPORT FOR North Dakota State Water Commission

Phone(703) 328-2739 Fax(701) 328-3696



-

DCL Report Group ...: 06E-0590-03

OCT 10 2006

Date Printed.: 04-OCT-06 15:44

Project Protocol #: P0186001 Client Ref Number .: CCS Sampling Release Number: CCS Sampling

Analysis Method(s): 8330

Client Sample Name	Laboratory <u>Sample Name</u>	Date Sampled	Date <u>Received</u>
Method Blank	BL-250879-1	NA	NA
LCS	QC-250879-1	NA	NA
13102	06E04358	11-SEP-06	15-SEP-06
13102	06E04358MS	11-SEP-06	15-SEP-06
13102	06E04358MSD	11-SEP-06	15-SEP-06
13102 FIELD DUP	06E04373	12-SEP-06	15-SEP-06
FIELD BLANK	06E04359	13-SEP-06	15-SEP-06
13086	06E04360	11-SEP-06	15-SEP-06
13101	06E04362	11-SEP-06	15-SEP-06
13087	06E04365	11-SEP-06	15-SEP-06
13087	06E04365MS	12-SEP-06	15-SEP-06
13087	06E04365MSD	12-SEP-06	15-SEP-06
13097	06E04366	12-SEP-06	15-SEP-06
13098	06E04367	12-SEP-06	15-SEP-06
RESERVOIR CAMP CROFTON	06E04368	12-SEP-06	15-SEP-06
SOUTH SPRING	06E04369	12-SEP-06	15-SEP-06
SOUTH SPRING FIELD DUP	06E04370	12-SEP-06	15-SEP-06

North Dakota State Water Commission Attention: W.M. Schuh 900 East Boulevard Bismarck, ND 58505

TomBosd

12/4/06

10/05/06

1

Analyst: Thomas N. Bosch

Date

Date

Date

This report contains

pages

Reviewer: Thomas T McKay

Lab Supervisor: Richard W. Wade



SAMPLE GROUP COMMENTS



DCL Report Group ...: 06E-0590-03 Date Printed: 04-0CT-06 15:44

Client Name ... : North Dakota State Water Commission

Release Number.: CCS Sampling

Sample Group Comments

See narrative for comments.

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.

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Report generation options: BX

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 gualifier 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.

AFAS

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SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 04-OCT-06 15:44

Date Received.....: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: 13102 DCL Sample Name...: 06E04358 DCL Report Group..: 06E-0590-03

DCL Analysis Group: G069100F Analysis Method...: 8330 Instrument Type....: HPLC Instrument ID....: LC08 Column Type.....: Ultracarb ODS X Primary

Analytical Results

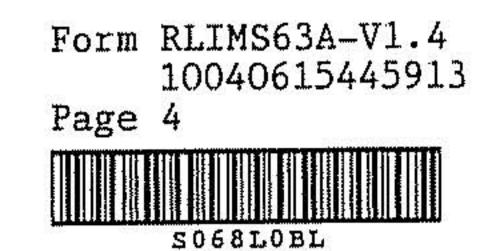
2	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	25-SEP-06 19:11	0.00604	ND		U	1	0.65
1,3,5-Trinitrobenzene	25-SEP-06 19:11	0.0323	ND		υ	1	0.65
<u>1,3-Dinitrobenzene</u> 2,4,6-Trinitrotoluene	25-SEP-06 19:11	0.0581	ND		U	1	0.26
2,4,8-Trinitrotoluene	25-SEP-06 19:11	0.0291	ND		U	1	0.65
2,4-Dinitrotoluene	25-SEP-06 19:11	0.102	ND		U	1	0.26
2-Amino-4,6-Dinitrotoluene	25-SEP-06 19:11	0.0756	ND		<u> </u>	1	0.26
2-Amino-4,0-Dinicrocolucia 2-Nitrotoluene	25-SEP-06 19:11	0.104	ND		υ	1	0.52
3-Nitrotoluene	25-SEP-06 19:11	0.0461	ND		<u> </u>	1	0.52
4-Amino-2,6-Dinitrotoluene	25-SEP-06 19:11	0.0770	ND		U	1	0.26
4-Nitrotoluene	25-SEP-06 19:11	0.150	ND	<u> </u>	<u> </u>	1 1	0.52
HMX	25-SEP-06 19:11	0.0757	ND		<u> </u>	1 1	0.26
Nitrobenzene	25-SEP-06 19:11	0.0939	ND		<u> </u>	1	0.26
RDX	25-SEP-06 19:11	0.0866	ND		<u> </u>	1 1	0.26
Tetryl	25-SEP-06 19:11	0.0995	ND		U		0.26

3

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SAMPLE ANALYSIS DATA SHEET



Date Printed.: 04-0CT-06 15:44

Client Name......: North Dakota State Water Commission Client Ref Number...: CCS Sampling Sampling Site.....: 1856 Release Number...: CCS Sampling

Date Received: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: 13102|FIELD DUP DCL Sample Name: : 06E04373 DCL Report Group: : 06E-0590-03

DCL Analysis Group: G069100F Analysis Method....: 8330 Instrument Type....: HPLC Instrument ID....: LC08 Column Type.....: Ultracarb ODS XPrimary

Analytical Results

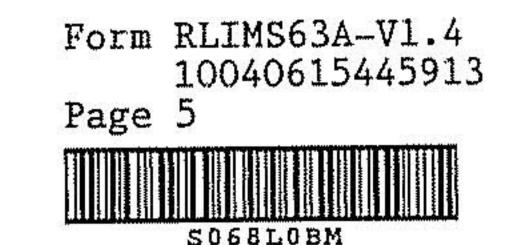
Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
1,3,5-Trinitrobenzene	25-SEP-06 20:52	0.00604	ND		U	1	0.65
1,3-Dinitrobenzene	25-SEP-06 20:52	0.0323	ND		υ	1 1	0.65
2,4,6-Trinitrotoluene	25-SEP-06 20:52	0.0581	ND		U	1	0.26
2,4-Dinitrotoluene	25-SEP-06 20:52	0.0291	ND		U	1	0.65
2,6-Dinitrotoluene	25-SEP-06 20:52	0.102	ND		U	1	0.26
2-Amino-4,6-Dinitrotoluene	25-SEP-06 20:52	0.0756	ND		U	1	0.26
2-Nitrotoluene	25-SEP-06 20:52	0.104	ND		<u> </u>	1	0.52
3-Nitrotoluene	25-SEP-06 20:52	0.0461	ND		U	1	0.52
4-Amino-2,6-Dinitrotoluene	25-SEP-06 20:52	0.0770	ND		<u> </u>	1	0.26
4-Nitrotoluene	25-SEP-06 20:52	0.150	ND		<u> </u>	1 1	0.52
HMX	25-SEP-06 20:52	0.0757	ND		<u> </u>	1 1	0.26
Nitrobenzene	25-SEP-06 20:52	0.0939	ND		U	1 1	0.26
RDX	25-SEP-06 20:52	0.0866	ND		U	1	0.26
Tetryl	25-SEP-06 20:52	0.0995	ND		ប	1	0.26

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Client Name.....:: North Dakota State Water Commission Client Ref Number...:: CCS Sampling Sampling Site....:: 1856 Release Number....:: CCS Sampling

Date Received....: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: FIELD BLANK DCL Sample Name...: 06E04359 DCL Report Group...: 06E-0590-03

DCL Analysis Group: G069100F Analysis Method...: 8330 Instrument Type...: HPLC Instrument ID....: LC08 Column Type...: Ultracarb ODS X Primary Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
1,3,5-Trinitrobenzene	25-SEP-06 21:26	0.00604	ND		U	1	0.65
1,3-Dinitrobenzene	25-SEP-06 21:26	0.0323	ND		ប	1	0.65
2,4,6-Trinitrotoluene	25-SEP-06 21:26	0.0581	ND		U	1	0.26
2,4-Dinitrotoluene	25-SEP-06 21:26	0.0291	ND		U	1	0.65
2,6-Dinitrotoluene	25-SEP-06 21:26	0.102	ND		<u> </u>	1	0.26
2-Amino-4,6-Dinitrotoluene	25-SEP-06 21:26	0.0756	ND		U	1	0.26
2-Nitrotoluene	25-SEP-06 21:26	0.104	ND	<u> </u>	<u> </u>	1	0.52
3-Nitrotoluene	25-SEP-06 21:26	0.0461	ND	1	<u> </u>	1	0.52
4-Amino-2,6-Dinitrotoluene	25-SEP-06 21:26	0.0770	ND		U	1	0.26
4-Nitrotoluene	25-SEP-06 21:26	0.150	ND	<u> </u>	υ	1 1	0.52
HMX	25-SEP-06 21:26	0.0757	ND		Ŭ	1	0.26
Nitrobenzene	25-SEP-06 21:26	0.0939	ND		U	1	0.26
RDX	25-SEP-06 21:26	0.0866	ND		U	1	0.26
Tetryl	25-SEP-06 21:26	0.0995	ND		U		0.26

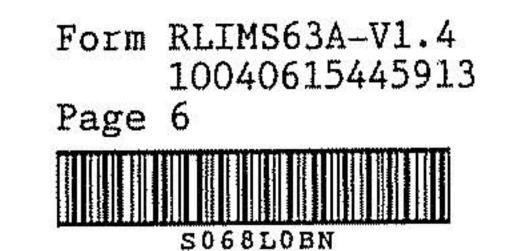
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SAMPLE ANALYSIS DATA SHEET



6

Date Printed....: 04-OCT-06 15:44

Date Received....: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared: 20-SEP-06 00:00 Preparation Method: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: 13086 DCL Sample Name...: 06E04360 DCL Report Group..: 06E-0590-03

Matrix.....: WATER Date Sampled....: 11-SEP-06 00:00 Reporting Units...: ug/L Report Basis....: XAs Received Dried

DCL Analysis Group: G069100F Analysis Method....: 8330 Instrument Type...: HPLC Instrument ID....: LC08 Column Type....: Ultracarb ODS X Primary Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
1,3,5-Trinitrobenzene	25-SEP-06 21:59	0.00604	ND		U	1	0.65
1,3-Dinitrobenzene	25-SEP-06 21:59	0.0323	ND		U U	1	0.65
2,4,6-Trinitrotoluene	25-SEP-06 21:59	0.0581	ND		U	1 1	0.25
2,4-Dinitrotoluene	25-SEP-06 21:59	0.0291	ND		U	1	0.65
2,6-Dinitrotoluene	25-SEP-06 21:59	0.102	ND		ប	1	0.26
2-Amino-4,6-Dinitrotoluene	25-SEP-06 21:59	0.0756	ND		U	1	0.26
2-Nitrotoluene	25-SEP-06 21:59	0.104	ND		υ	1	0.52
3-Nitrotoluene	25-SEP-06 21:59	0.0461	ND		υ	1	0.52
4-Amino-2,6-Dinitrotoluene	25-SEP-06 21:59	0.0770	ND		U	1 1	0.26
4-Nitrotoluene	25-SEP-06 21:59	0.150	ND		U	1	0.52
HMX	25-SEP-06 21:59	0.0757	ND		U	1	0.26
Nitrobenzene	25-SEP-06 21:59	0.0939	ND		U	1	0.26
RDX	25-SEP-06 21:59	0.0866	ND		U	1	0.26
Tetryl	25-SEP-06 21:59	0.0995	ND		U	1	0.26



SAMPLE ANALYSIS DATA SHEET



Date Printed: 04-OCT-06 15:44

Client Name.....: North Dakota State Water Commission Client Ref Number...: CCS Sampling Sampling Site.....: 1856 Release Number....: CCS Sampling

Date Received: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared.....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: 13101 DCL Sample Name: : 06E04362 DCL Report Group: : 06E-0590-03

DCL Analysis Group: G069100F Analysis Method...: 8330 Instrument Type...: HPLC Instrument ID....: LC08 Column Type....: Ultracarb ODS X Primary Confirmation

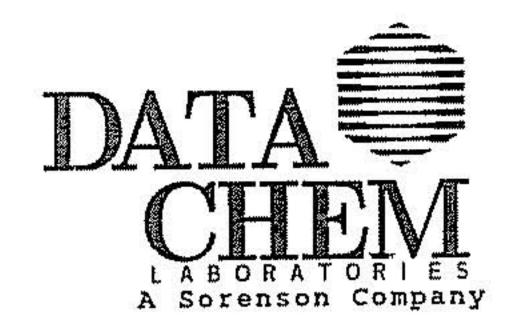
Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
1,3,5-Trinitrobenzene	25-SEP-06 22:33	0.00604	ND		U	1	0.65
1,3-Dinitrobenzene	25-SEP-06 22:33	0.0323	ND		U	1	0.65
2,4,6-Trinitrotoluene	25-SEP-06 22:33	0.0581	ND		<u> </u>	1	0.26
2,4-Dinitrotoluene	25-SEP-06 22:33	0.0291	ND		U	1	0.65
2,6-Dinitrotoluene	25-SEP-06 22:33	0.102	ND		<u> </u>	1 1	0.26
2-Amino-4,6-Dinitrotoluene	25-SEP-06 22:33	0.0756	ND		U	1	0.26
2-Nitrotoluene	25-SEP-06 22:33	0.104	ND		U	11	0.52
3-Nitrotoluene	25-SEP-06 22:33	0.0461	ND		<u> </u>	1 1	0.52
4-Amino-2,6-Dinitrotoluene	25-SEP-06 22:33	0.0770	ND		U	1	0.26
4-Nitrotoluene	25-SEP-06 22:33	0.150	ND		U	1	0.52
HMX	25-SEP-06 22:33	0.0757	ND		ប	1	0.26
Nitrobenzene	25-SEP-06 22:33	0.0939	ND		U	1	0.26
RDX	25-SEP-06 22:33	0.0866	ND	<u> </u>	<u> </u>	1	0.26
Tetryl	25-SEP-06 22:33	0.0995	ND		U	1 1	0.26

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SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4 10040615445913 Page 8

Date Printed.: 04-0CT-06 15:44

Client Name.....:: North Dakota State Water Commission Client Ref Number...: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

Date Received.: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: 13087 DCL Sample Name...: 06E04365 DCL Report Group...: 06E-0590-03

DCL Analysis Group: G069100F Analysis Method....: 8330 Instrument Type...: HPLC Instrument ID....: LC08 Column Type....: Ultracarb ODS X Primary

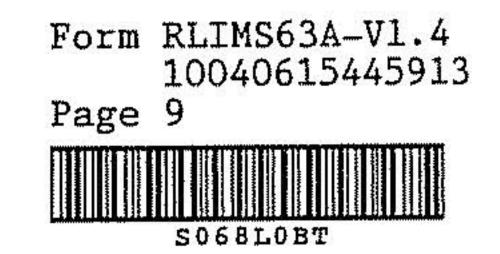
Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
1,3,5-Trinitrobenzene	25-SEP-06 23:06	0.00604	ND		U	1	0.65
1,3-Dinitrobenzene	25-SEP-06 23:06		ND		U	1	0.65
2,4,6-Trinitrotoluene	25-SEP-06 23:06	0.0581	ND		ប	1 1	0.26
2,4-Dinitrotoluene	25-SEP-06 23:06	0.0291	ND		U	1	0.65
2,6-Dinitrotoluene	25-SEP-06 23:06		ND	:	U	1	0.26
2-Amino-4,6-Dinitrotoluene	25-SEP-06 23:06	0.0756	ND		υ	1	0.26
2-Nitrotoluene	25-SEP-06 23:06	0.104	ND		<u> </u>	1	0.52
3-Nitrotoluene	25-SEP-06 23:06	0.0461	ND		<u> </u>	1	0.52
4-Amino-2,6-Dinitrotoluene	25-SEP-06 23:06	0.0770	ND		U	1 1	0.26
4-Nitrotoluene	25-SEP-06 23:06	0.150	ND		U	1	0.52
HMX	25-SEP-06 23:06	0.0757	ND		<u> </u>	1 1	0.26
Nitrobenzene	25-SEP-06 23:06	0.0939	ND		<u> </u>	1	0.26
RDX	25-SEP-06 23:06	0.0866	ND		្រប	1	0.26
Tetryl	25-SEP-06 23:06	0.0995	ND		U	1	0.26

3



SAMPLE ANALYSIS DATA SHEET



9

Date Printed.: 04-OCT-06 15:44

Client Name......: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site.....: 1856 Release Number....: CCS Sampling

Date Received,: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: 13097 DCL Sample Name: 06E04366 DCL Report Group:: 06E-0590-03

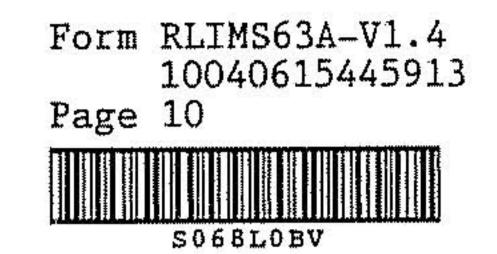
DCL Analysis Group: G069100F Analysis Method...: 8330 Instrument Type...: HPLC Instrument ID....: LC08 Column Type...: Ultracarb ODS X Primary Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
1,3,5-Trinitrobenzene	26-SEP-06 01:21	0.00604	ND		U	1.	0.65
1,3-Dinitrobenzene	26-SEP-06 01:21	0.0323	ND		U	1	0.65
2,4,6-Trinitrotoluene	26-SEP-06 01:21		ND		U	1 1	0.26
2,4-Dinítrotoluene	26-SEP-06 01:21	0.0291	ND		<u> </u>	1	0.65
2,6-Dinitrotoluene	26-SEP-06 01:21	0.102	ND	1	ប	1	0.26
2-Amino-4,6-Dinitrotoluene	26-SEP-06 01:21	0.0756	ND		U	1	0.26
2-Nitrotoluene	26-SEP-06 01:21	0.104	ND		U	1	0.52
3-Nitrotoluene	26-SEP-06 01:21	0.0461	ND		U	1	0.52
4-Amino-2,6-Dinitrotoluene	26-SEP-06 01:21	0.0770	ND		U	1	0.26
4-Nitrotoluene	26-SEP-06 01:21	0.150	ND	}	U	1	0.52
HMX	26-SEP-06 01:21	0.0757	ND	<u> </u>	U	1 1	0.26
Nitrobenzene	26-SEP-06 01:21	0.0939	ND		U	1	0.26
RDX	26-SEP-06 01:21	0.0866	ND		U	1	0.26
Tetryl	26-SEP-06 01:21	0.0995	ND		U	1	0.26



SAMPLE ANALYSIS DATA SHEET



Date Printed: 04-OCT-06 15:44

Client Name.....: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

Date Received.: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: 13098 DCL Sample Name...: 06E04367 DCL Report Group..: 06E-0590-03

DCL Analysis Group: G069100F Analysis Method ...: 8330 Instrument Type ...: HPLC Instrument ID: LC08 Column Type: Ultracarb ODS X Primary Confirmation

Analytical Results

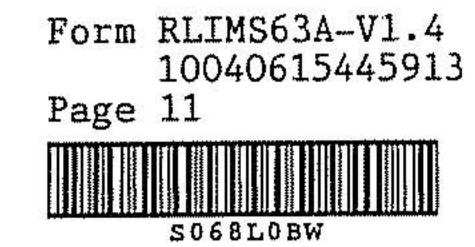
Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
1,3,5-Trinitrobenzene	26-SEP-06 01:54	0.00604	ND		U	1.	0.65
1,3-Dinitrobenzene	26-SEP-06 01:54	0.0323	ND		U	1	0.65
2,4,6-Trinitrotoluene	26-SEP-06 01:54	0.0581	ND		U	1	0.26
2,4-Dinitrotoluene	26-SEP-06 01:54	0.0291	ND		U	1	0.65
2,6-Dinitrotoluene	26-SEP-06 01:54	0.102	ND		U	1	0.26
2-Amino-4,6-Dinitrotoluene	26-SEP-06 01:54	0.0756	ND		U	1	0.26
2-Nitrotoluene	26-SEP-06 01:54	0.104	ND	9 8 - 19-10-19-10-19-10 - 19-1	ี บ	1	0.52
3-Nitrotoluene	26-SEP-06 01:54	0.0461	ND		U	1	0.52
4-Amino-2,6-Dinitrotoluene	26-SEP-06 01:54	0.0770	ND		U	1 1	0.26
4-Nitrotoluene	26-SEP-06 01:54	0.150	ND	generation of the loc S	U	1	0,52
HMX	26-SEP-06 01:54	0.0757	ND		U	1	0.26
Nitrobenzene	26-SEP-06 01:54	0.0939	ND		U	1	0.26
RDX	26-SEP-06 01:54	0.0866	ND		U	1	0.26
Tetryl	26-SEP-06 01:54	0.0995	ND		U	1	0.26

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SAMPLE ANALYSIS DATA SHEET



Date Printed....: 04-0CT-06 15:44

Client Name: North Dakota State Water Commission Client Ref Number: CCS Sampling Sampling Site: 1856 Release Number: CCS Sampling

Date Received: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared: 20-SEP-06 00:00 Preparation Method ...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: RESERVOIR CAMP CROFTON DCL Sample Name...: 06E04368 DCL Report Group...: 06E-0590-03

DCL Analysis Group: G069100F Analysis Method...: 8330 Instrument Type...: HPLC Instrument ID....: LC08 Column Type....: Ultracarb ODS XPrimary

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
1,3,5-Trinitrobenzene	26-SEP-06 02:28	0.00604	ND		U	1	0.65
1,3-Dinitrobenzene	26-SEP-06 02:28	0.0323	ND		υ	1	0.65
2,4,6-Trinitrotoluene	26-SEP-06 02:28	0.0581	ND		U	1	0.26
2,4-Dinitrotoluene	26-SEP-06 02:28	0.0291	ND		U	1	0.65
2,6-Dinitrotoluene	26-SEP-06 02:28	0.102	ND		U	1	0.26
2-Amino-4,6-Dinitrotoluene	26-SEP-06 02:28	0.0756	ND		U	1	0.26
2-Nitrotoluene	26-SEP-06 02:28	0.104	ND		U	1	0.52
3-Nitrotoluene	26-SEP-06 02:28	0.0461	ND		U	1	0.52
4-Amino-2,6-Dinitrotoluene	26-SEP-06 02:28	0.0770	ND		U	1	0.26
4-Nitrotoluene	26-SEP-06 02:28	0.150	ND		U	1	0.52
нмх	26-SEP-06 02:28	0.0757	ND		U	1	0.26
Nitrobenzene	26-SEP-06 02:28	0.0939	ND		U	1 1	0.26
RDX	26-SEP-06 02:28	0.0866	ND		ប	1	0.26
Tetryl	26-SEP-06 02:28	0.0995	ND		ប	1 1	0.26

4.2

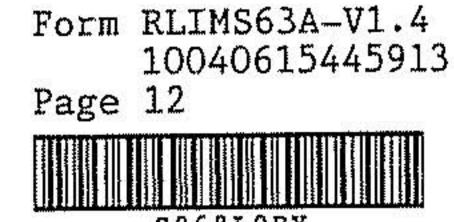
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SAMPLE ANALYSIS DATA SHEET



SOGBLOBX

Date Printed....: 04-OCT-06 15:44

Client Name,: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

Date Received: 15-SEP-06 00:00

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: SOUTH SPRING DCL Sample Name: 06E04369 DCL Report Group: :06E-0590-03

DCL Analysis Group: G069100F Analysis Method....: 8330 Instrument Type....: HPLC Instrument ID.....: LC08 Column Type....: Ultracarb ODS X Primary

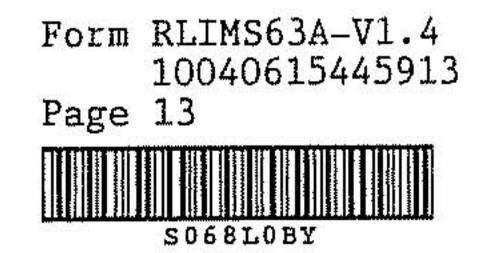
Analytical Results

Analyte	Date Analyzed	MDL	Result	Lt Comment Qual. Dilution		PQL	
1,3,5-Trinitrobenzene	26-SEP-06 03:02	0.00604	ND		υ	1	0.65
1,3-Dinitrobenzene	26-SEP-06 03:02	0.0323	ND		U	1	0.65
2,4,6-Trinitrotoluene	26-SEP-06 03:02		ND		U	1	0.26
2,4-Dinitrotoluene	26-SEP-06 03:02	0.0291	ND		<u> </u>	1	0.65
2,6-Dinitrotoluene	26-SEP-06 03:02	0.102	ND		<u> </u>	1 1	0.26
2-Amino-4,6-Dinitrotoluene	26-SEP-06 03:02	0.0756	ND		ប	1	0.26
2-Nitrotoluene	26-SEP-06 03:02	0.104	ND		ប	1	0.52
3-Nitrotoluene	26-SEP-06 03:02	0.0461	ND		U	1	0.52
4-Amino-2,6-Dinitrotoluene	26-SEP-06 03:02	0.0770	ND		<u> </u>	1	0.26
4-Nitrotoluene	26-SEP-06 03:02	0.150	ND	ļ	<u> </u>	1 1	0.52
HMX	26-SEP-06 03:02	0.0757	ND		<u> </u>	1	0.26
Nitrobenzene	26-SEP-06 03:02	0.0939	ND		U	1	0.26
RDX	26-SEP-06 03:02	0.0866	ND		U	1	0.26
Tetryl	26-SEP-06 03:02	0.0995	ND		U	1	0.26

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SAMPLE ANALYSIS DATA SHEET



Date Printed....: 04-0CT-06 15:44

Client Name: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site: 1856 Release Number....: CCS Sampling

Date Received: 15-SEP-06 00:00

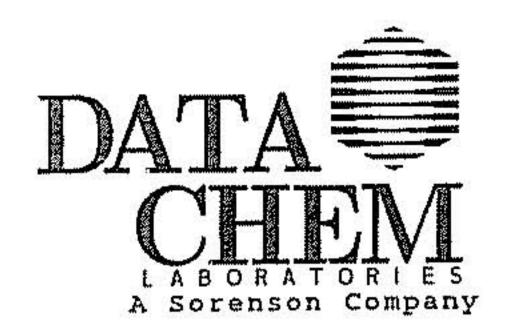
DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: SOUTH SPRING FIELD DUP DCL Sample Name...: 06E04370 DCL Report Group...: 06E-0590-03

DCL Analysis Group: G069100F Analysis Method ... : 8330 Instrument Type ... : HPLC Instrument ID. ... : LCO8 Column Type ... : Ultracarb ODS X Primary Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL	
1,3,5-Trinitrobenzene	26-SEP-06 03:35	0.00604	ND		υ	1	0.65	
1,3-Dinitrobenzene	26-SEP-06 03:35	0.0323	ND		ប	1	0.65	
2,4,6-Trinitrotoluene	26-SEP-06 03:35	0.0581	ND		U	1	0.26	
2,4-Dinitrotoluene	26-SEP-06 03:35	0.0291	ND		υ	1	0.65	
2,6-Dinitrotoluene	26-SEP-06 03:35	0.102	ND	10000 60 - Collection (100	U	1	0.26	
2-Amino-4,6-Dinitrotoluene	26-SEP-06 03:35	0.0756	ND		U	1	0.26	
2-Nitrotoluene	26-SEP-06 03:35	0.104	ND		ט	1	0.52	
3-Nitrotoluene	26-SEP-06 03:35	0.0461	ND		U	1	0.52	
4-Amino-2,6-Dinitrotoluene	26-SEP-06 03:35	0.0770	ND		υ	1	0.26	
4-Nitrotoluene	26-SEP-06 03:35	0.150	ND		ប	1	0.52	
HMX	26-SEP-06 03:35	0.0757	ND		U	1	0.26	
Nitrobenzene	26-SEP-06 03:35	0.0939	ND		U	1	0.26	
RDX	26-SEP-06 03:35	0.0866	ND	10.000 01 000	ប	1	0.26	
Tetryl	26-SEP-06 03:35	0.0995	ND		U	1	0.26	

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QUALITY CONTROL DATA SHEET LABORATORY CONTROL SAMPLE (LCS)



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DCL Sample Name...: QC-250879-1 Date Printed....: 04-0CT-06 15:44

DCL Analysis Group: G069100F Analysis Method....: SW8330-14 Instrument Type....: HPLC Instrument ID....: LC08 Column Type....: Ultracarb ODS X Primary

QC Limit Type : Method

Matrix....: WATER Reporting Units....: ug/L

DCL Preparation Group: G068M010 Date Prepared.....: 20-SEP-06 00:00 Preparation Method....: 8330

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
1,3,5-Trinitrobenzene	29-SEP-06 12:44	3.25	3.02	92.8	38.5/141.	
1,3-Dinitrobenzene	29-SEP-06 12:44	3.25	2.87	88.4	65.4/109.	
2,4,6-Trinitrotoluene	29-SEP-06 12:44	6.49	5.46	84.1	48.4/112.	
2,4-Dinitrotoluene	29-SEP-06 12:44	3.25	2.94	90.6	71.1/110.	
2,6-Dinitrotoluene	29-SEP-06 12:44	6.49	5.87	90.5	68.7/112.	
2-Amino-4,6-Dinitrotoluene	29-SEP-06 12:44	6.49	5.83	89.8	70.3/126.	
2-Nitrotoluene	29-SEP-06 12:44	13.0	11.6	89.4	68.3/112.	
3-Nitrotoluene	29-SEP-06 12:44	13.0	11.5	88.5	68.3/115.	
4-Amino-2,6-Dinitrotoluene	29-SEP-06 12:44	6.49	6.51	100.	61.9/153.	
4-Nitrotoluene	29-SEP-06 12:44	13.0	11.3	86.8	67.5/115.	
HMX	29-SEP-06 12:44	6.49	6.03	92.8	70.4/115.	
Nitrobenzene	29-SEP-06 12:44	6.49	5.56	85.7	58.0/108.	
RDX	29-SEP-06 12:44	6.49	6,09	93.9	68.6/123.	
Tetryl	29-SEP-06 12:44	6.49	5.27	81.3	7.17/137.	



QUALITY CONTROL DATA SHEET BLANK SAMPLE



Client Name.....: North Dakota State Water Commission Release Number....: CCS Sampling

Matrix....: WATER Reporting Units....: ug/L

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 DCL Sample Name...: BL-250879-1 Date Printed....: 05-0CT-06 16:10

DCL Analysis Group: G069100F Analysis Method...: 8330 Instrument Type...: HPLC Instrument ID....: LC08 Column Type....: Ultracarb ODS X Primary Confirmation

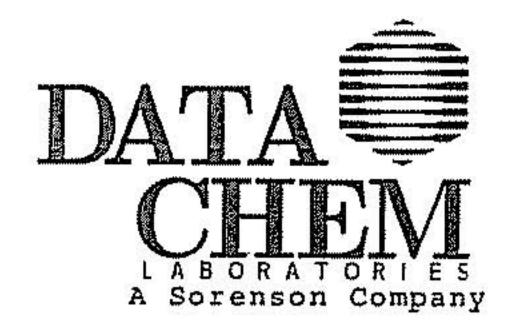
QC Limit Type : Method

Analytical Results

Analyte	Date Analyzed	Result	MDL	CRDL
1,3,5-Trinitrobenzene	29-SEP-06 12:10	ND	0.00604	0.65
1,3-Dinitrobenzene	29-SEP-06 12:10	ND	0.0323	0.65
2,4,5-Trinitrotoluene	29-SEP-06 12:10	ND	0.0581	0.26
2,4-Dinitrotoluene	29-SEP-06 12:10	ND	0.0291	0.65
2,5-Dinitrotoluene	29-SEP-06 12:10	ND	0.102	0.26
2-Amino-4,6-Dinitrotoluene	29-SEP-06 12:10	ND	0.0756	0.26
2-Nitrotoluene	29-SEP-06 12:10	ND	0.104	0.52
3-Nitrotoluene	29-SEP-06 12:10	ND	0.0461	0.52
4-Amino-2,6-Dinitrotoluene	29-SEP-06 12:10	ND	0.0770	0.26
4-Nitrotoluene	29-SEP-06 12:10	ND	0.150	0.52
HMX	29-SEP-06 12:10	ND	0.0757	0.26
Nitrobenzene	29-SEP-06 12:10	ND	0.0939	0.26
RDX	29-SEP-06 12:10	ND	0.0866	0.26
Tetryl	29-SEP-06 12:10	ND	0.0995	0.26

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QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



Matrix....: WATER Reporting Units....: ug/L

Analytical Results

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 DCL Sample Name...: 06E04358MS Date Printed....: 06-OCT-06 12:55

DCL Analysis Group: G069100F Analysis Method...: SW8330-14 Instrument Type...: HPLC Instrument ID....: LC08 Column Type...: Ultracarb ODS X Primary

QC Limit Type : Method

Analyte	Date Analyzeđ	Sample Result	Spiked Result	Spike Added			QC Flag
1,3,5-Trinitrobenzene	25-SEP-06 19:45	ND	2.08	3.25	64.0	50.0/125.	
1,3-Dinitrobenzene	25-SEP-06 19:45	ND	1.68	3.25	51.7	50.0/125.	
2,4,6-Trinitrotoluene	25-SEP-06 19:45	ND	3.87	6.49	59.6	50.0/125.	
2,4-Dinitrotoluene	25-SEP-06 19:45	ND	1.77	3.25	54.5	50.0/125.	
2,6-Dinitrotoluene	25-SEP-06 19:45	ND	3.31	6.49	51.0	50.0/125.	···-
2-Amino-4,6-Dinitrotoluene	25-SEP-06 19:45	ND	4.37	6.49	67.3	50.0/125.	
2-Nitrotoluene	25-SEP-06 19:45	ND	6.36	13.0	49.0	50.0/125.	*
<u>3-Nitrotoluene</u>	25-SEP-06 19:45	ND	6.19	13.0	47.7	50.0/125.	*
4-Amino-2,6-Dinitrotoluene	25-SEP-06 19:45	ND	5.30	6.49	81.7	50.0/125.	
4-Nitrotoluene	25-SEP-06 19:45	ND	6.20	13.0	47.8	50.0/125.	*
нмх	25-SEP-06 19:45	ND	4.36	6.49	67.2	50.0/125.	
Nitrobenzene	25-SEP-06 19:45	ND	2.95	6.49	45.5	50.0/125.	*
RDX	25-SEP-06 19:45	ND	4.68	6.49	72.1	50.0/125.	
Tetryl	25-SEP-06 19:45	ND	3.03	6.49	46.7	50.0/125.	*



DCL Sample Name...: 06B04358MSD

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
1,3,5-Trinitrobenzene	25-SEP-06 20:16	3.18	97.8	2.63	1.10	42.	0.00/25.0	*
1,3-Dinitrobenzene	25-SEP-06 20:18	3.12	96.0	2.40	1.44	60.	0.00/25.0	*
2,4,5-Trinitrotoluene	25-SEP-06 20:18	5.87	90.4	4.87	2.00	41.	0.00/25.0	*
2,4-Dinitrotoluene	25-SEP-06 20:18		96.0	2.45	1.35	55.	0.00/25.0	*
2,6-Dinitrotoluene	25-SEP-06 20:18	6.33	97.5	4.82	3.02	63.	0.00/25.0	*
2-Amino-4,6-Dinitrotoluene	25-SEP-06 20:18	6.28	96.8	5.33	1.91	36.	0.00/25.0	*
2-Nitrotoluene	25-SEP-06 20:18		97.8	9.53	6.34	67.	0.00/25.0	*
3-Nitrotoluene	25-SEP-06 20:18	12.3	94.8	9.24	6.11	66.	0.00/25.0	*
4-Amino-2,6-Dinitrotoluene	25-SEP-06 20:18		111.	6.26	1.92	31.	0.00/25.0	*
4-Nitrotoluene	25-SEP-06 20:18		94.8	9.25	6.10	66.	0.00/25.0	*
HMX	25-SEP-06 20:18		94.1	5.24	1.75	33.	0.00/25.0	*
Nitrobenzene	25-SEP-06 20:18		90.9	4.43	2.95	67.	0.00/25.0	*
RDX	25-SEP-06 20:18	to management of the second se	97.2	5.50	1.63	30.		<u> </u>
Tetryl	25-SEP-06 20:18		48.1	3.08	0.0900	2.9	0.00/25.0	*



QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



Client Name.....: North Dakota State Water Commission Release Number....: CCS Sampling

Matrix....: WATER Reporting Units....: ug/L

DCL Preparation Group: G068M010 Date Prepared....: 20-SEP-06 00:00 Preparation Method...: 8330 DCL Sample Name...: 06E04365MS Date Printed....: 06-OCT-06 12:58

DCL Analysis Group: G069100F Analysis Method...: SW8330-14 Instrument Type...: HPLC Instrument ID....: LC08 Column Type....: Ultracarb ODS X Primary

QC Limit Type : Method

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
1,3,5-Trinitrobenzene	25-SEP-06 23:40	ND	3.29	3.25	101.	50.0/125.	
1,3-Dinitrobenzene	25-SEP-06 23:40	ND	3.13	3.25	96.3	50.0/125.	
2,4,6-Trinitrotoluene	25-SEP-06 23:40	ND	5.92	6.49	91.2	50.0/125.	
2,4-Dinitrotoluene	25-SEP-06 23:40	ND	3.14	3.25	96.6	50.0/125.	
2,6-Dinitrotoluene	25-SEP-06 23:40	ND	6.39	6.49	98.5	50.0/125.	
2-Amino-4,6-Dinitrotoluene	25-SEP-06 23:40	ND	6.29	6.49	96.9	50.0/125.	
2-Nitrotoluene	25-SEP-06 23:40	ND	12.6	13.0	97.1	50.0/125.	······
3-Nitrotoluene	25-SEP-06 23:40	ND	12.4	13.0	95.5	50.0/125.	
4-Amino-2,6-Dinitrotoluene	25-SEP-06 23:40	ND	7.27	6.49	112.	50.0/125.	
4-Nitrotoluene	25-SEP-06 23:40	ND	12.3	13.0	94.8	50.0/125.	
HMX	25-SEP-06 23:40	ND	6.14	6.49	94.6	50.0/125.	
Nitrobenzene	25-SEP-06 23:40	ND	5.90	6.49	90.9	50.0/125.	
RDX	25-SEP-06 23:40	ND	6.41	6.49	98.8	50.0/125.	
Tetryl	25-SEP-06 23:40	ND	5.18	6.49	79.8	50.0/125.	**************************************



DCL Sample Name...: 06E04365MSD

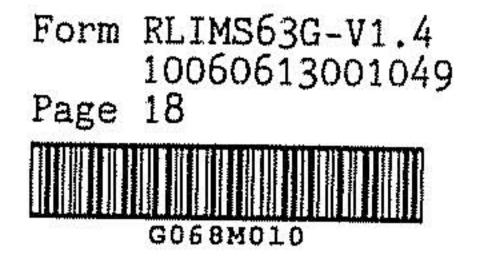
Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
1,3,5-Trinitrobenzene	26-SEP-06 00:14	2.32	71.4	2.81	0.970	35.	0.00/25.0	*
1,3-Dinitrobenzene	26-SEP-06 00:14	2.25	69.2	2.69	0.880	33.	0.00/25.0	*
2,4,6-Trinitrotoluene	26-SEP-06 00:14	4.18	64.4	5.05	1.74	34.	0.00/25.0	*
2,4-Dinitrotoluene	26-SEP-06 00:14	2.23	68.6	2.69	0.910	34.	0.00/25.0	*
2,6-Dinitrotoluene	26-SEP-06 00:14	4.59	70.7	5.49	1.80	33.	0.00/25.0	*
2-Amino-4,6-Dinitrotoluene	26-SEP-06 00:14	4.63	71.3	5.46	1.66	30.	0.00/25.0	*
2-Nitrotoluene	26-SEP-06 00:14	8.79	67.7	10.7	3.81	36.	0.00/25.0	*
<u>3-Nitrotoluene</u>	26-SEP-06 00:14	8.62	66.4	10.5	3.78	36.	0.00/25.0	*
4-Amino-2,6-Dinitrotoluene	26-SEP-06 00:14	5.50	84.7	6.39	1.77	28.	0.00/25.0	*
4-Nitrotoluene	26-SEP-06 00:14	8.51	65.6	10.4	3,79	36.	0.00/25.0	*
HMX	26-SEP-06 00:14	4.38	67.5	5.26	1.76	33.	0.00/25.0	*
Nitrobenzene	26-SEP-06 00:14	4.19	64.6	5.05	1.71	34.	0.00/25.0	*
RDX	26-SEP-06 00:14	4.88	75.2	5.65	1.53	27.	0.00/25.0	*
Tetryl	26-SEP-06 00:14	······································	51.6	4.27	1.83	43.	0.00/25.0	*

17



QUALITY CONTROL DATA SHEET SURROGATE SUMMARY



Client Name.....: North Dakota State Water Commission Release Number....: CCS Sampling

Matrix....: WATER Reporting Units....: ug/L Date Printed....: 06-0CT-06 13:00

DCL Analysis Group: G069100F Analysis Method...: SW8330-14

DCL Prep Group...: GD68M010 Preparation Method: 8330

QC Limit Type Method

Surrogate Recoveries

Surr. ID	3,4-Di	nitrotolu	ene	T				T			
QC Limits	6	7.4/115.						·			
DCL Sample Number	Analyte Result	Spiked Amount	Rec.	Q	Analyte Result	Spiked Amount	Rec.	Ъ	Analyte Result	Spiked Amount	%
06E04358	12.3	13.0	94.6	Π						RHOUIL	Rec.
06E04358MS	7.71	13.0	59.3	+		·······		+		······································	
06E04358MSD	11.7	13.0	90.0					┼╂			
06E04359	11.8	13.0	90.8					┼─╀╴			
06E04360	11.9	13.0	91.5					-			
06E04362	11.5	13.0	88.5					┼╋			
06E04365	12.0	13.0	92.3	$\uparrow \uparrow$				+		· · · · · · · · · · · · · · · · · · ·	
06E04365MS	11.8	13.0	90.8	1-1-				┼╌┟╴			
06E04365MSD	8.57	13.0	65.9	*	······			+	······	~	
06E04366	12.0	13.0	92.3					┝─┟─			- <u> </u> .
06E04367	12.0	13.0	92.3			· · · · · · · · · · · · · · · · · · ·		┼┼			
06E04368	9.30	13.0	71.5					╞╼┠╸			
06E04369	12.5	13.0	96.2								<u> </u>
06E04370	11.4	13.0	87.7				1			······	
D6E04373	10.2	13.0	78.5								<u> </u>
BL-250879-1	12.6	13.0	96.9								
QC-250879-1	13.1	13.0	101.			······					ļļ.

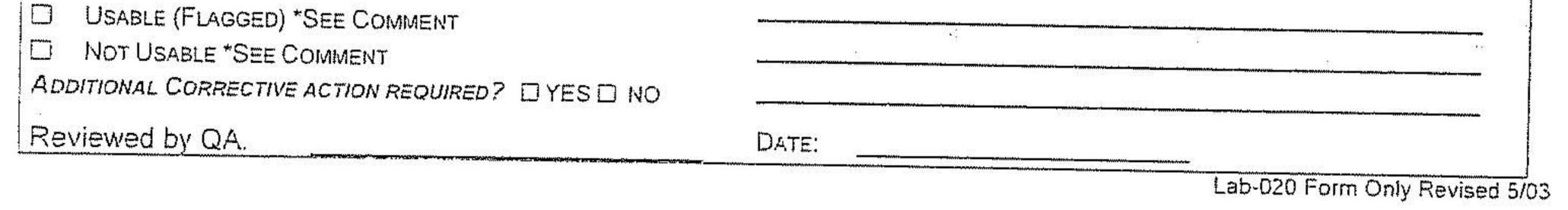
18

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 Phone (801) 266-7700 FAX (801) 268-9992 Web Page: www.datachem.com E-mail: lab@datachem.com

EXHIBIT 1 - DATACHEM LABO	RATORIES DCL Document# 910						
NONCONFORMANCE/CORRECTIVE ACTION REPORT (NC/CAR)							
Set ID/Lot No(s). <u>ひんこ-0590-03</u> (SIDE ON							
Account #: 5001	Analysis/Analyte: A EXPLOSIVES - 8330						
Client MORTH- DAKOTA STRIE WATER COMM.	Section: HPLC						
Client Sample #, Affected. ALL	Date Initiated: いしろしい						
DCL Sample #s Affected. 255, 60, 2, 65-70, 7	るate of Occurrence.						
DESCRIBE NONCONFORMANCE (PROBLEM):							
SAMPLES EXTRACTED PAST HOLD	FINE						
WHY DID THE PROBLEM OCCUR (ROOT CAUSE).							
SAMPLES LOCIED IN AFTER 1	HOLD TIME ELAPSED						
INITIAL CORRECTIVE ACTION TAKEN.							

TECHNICAL DIRECTOR OR SUPERVISOR COMMENTS:	
Signalure: PROJECT MANAGER COMMENTS: (IF APPLICABLE)	Date: Proceed with Analysis Reprep/Reanalyze samples Do Not Analyze Client Notified
Signature	Document event in set comments/case narrative (Date) Date:
QA REVIEW AND APPROVAL THE AFFECTED ANALYTICAL DATA ARE:	QA COMMENTS:

<u>10</u>



Appendix B-4, EPA Method 8332



Case Narrative

Method:	SW-846 8332	Client:	North Dakota State
Analysis:	Nitroglycerin/PETN		Water Commission
Preparation SOP #:	OL-SW-8332	Account:	8001
Analysis SOP#:	OL-SW-8332	Matrix:	Water
DCL Set ID's:	06E-0590-04		

General Set Information: This set consisted of eleven water samples, a method blank, a laboratory control sample (LCS), and two sets of a matrix spike and a matrix spike duplicate (MS/MSD).

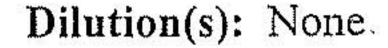
Method Summary: The samples were extracted using the double salting out procedure prescribed in EPA method 8332. An aliquot of 770 mL of each sample was saturated with salt and extracted twice with acetonitrile by stirring at timed intervals. The acetonitrile extracts were combined and re-extracted with fresh salt water. The final volume of the extract was adjusted to 5 mL for each sample and filtered through a 0.45 um PTFE filter. One part acetonitrile extract was mixed with one part of a 1% calcium chloride solution, and then injected into an HP1050 HPLC equipped with UV detection and a Phenomenex Ultracarb ODS column. The instrument was adjusted to the proper operating parameters and allowed to equilibrate until a stable baseline was established. Initial Calibration standards were analyzed and linear calibration curves were generated from the data. A continuing calibration standard was analyzed at the beginning of sample analysis and after each ten samples and at the end of the analysis. The response of the continuing calibration standard must be within method limits when compared to the initial calibration curve.

Samples and QCs were analyzed under identical conditions as those used for initial and continuing calibration. Quantitation was based on calibration curves using the initial calibration standards. Results were reported in units of $\mu g/L$.

Sample Preparation: No anomalies were observed during the preparation of the sample set.

Holding Times: The samples were extracted outside of method required hold times but were

analyzed within method required hold times. A Nonconformance/Corrective Action Report (DCL Document# 909) was initiated.



Quality Control Data:

Blank. No confirmed method analytes were detected in the method blank above half of the CRDL.

Laboratory Control Samples: All recoveries and RPDs were within method limits.

Surrogate Recovery: Surrogate recoveries were acceptable for all samples.

MS/MSD Matrix spiking was performed on samples 06E04358 and 06E04365 (client samples 13102 and 13087, respectively. All recoveries and RPDs were within method limits.

Instrument QC: All initial and continuing calibration verification samples met method criteria.

NC/CAR: DCL Document# 909 (see holding times above).

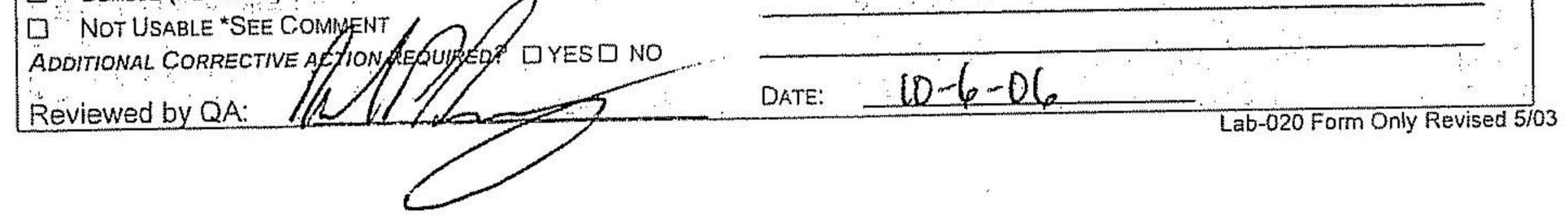
Miscellaneous Comments: The instrument stopped before the entire sequence was completed. An additional CCV was analyzed and the sequence completed the following day.

Confirmation Analyses: Any sample with a positive result above the MDL was qualitatively analyzed for confirmation on a second column. For samples requiring confirmation, one part acetonitrile extract was mixed with one part of a 1% calcium chloride solution, then injected into an HP1050 HPLC equipped with UV detection and Phenomenex Synergi Polar-RP column. The instrument was adjusted to the proper operating parameters and allowed to equilibrate until a stable baseline was established. A CCV standard was run to establish retention times and a standard at the reporting limits was run to verify low concentration sensitivity. The second column analyses were used for qualitative confirmation of analytes based on retention time. When a positive result is confirmed, the initial result of the two analyses is reported.

Tom Bosh 10/3/06 Tom Bosch Date

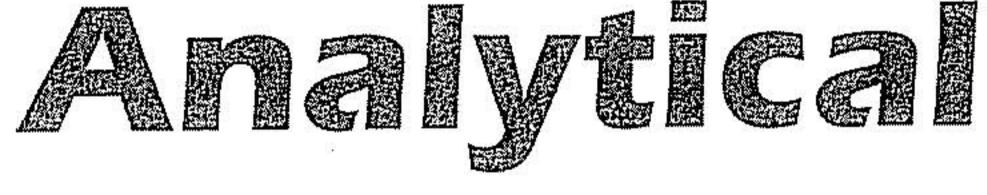
Client Sample #, Affected: 2014358,60,2,65-70,73 Date of Occurrence: 9(22/06
DESCRIBE NONCONFORMANCE (PROBLEM): SAMPLES EXTRACTED PAST HOLD TIME
WHY DID THE PROBLEM OCCUR (ROOT CAUSE): SAMPLES LOGLED IN AFTER HOLD TIME ELAPSED INITIAL CORRECTIVE ACTION TAKEN. New Persuell Training ISSUES. Will train to which for Sampling deales

TECHNICAL DIRECTOR OR SUPERVISOR COMMENTS: The project manager and/or sample receiving need to indicate why the samples were not logged in. Date: 10/3/06 Richard Hade Signature: Reprep/Reanalyze samples Proceed with Analysis (IF APPLICABLE) Lets all pay Attention Vo Sample Hatas PROJECT MANAGER COMMENTS: Client Notified Do Not Analyze (Date) Document event in set comments/case narrative un Sullate 10-6-06 Date: Signature **GA REVIEW AND APPROVAL** QA COMMENTS: Cart Strate 6 1 Direction Act THE AFFECTED ANALYTICAL DATA ARE: t in gin g USABLE Que to the second 计算机算法实际运行 그 이 가 말을 가 못했는 것을 수 있다. 69 - 4 MA USABLE (FLAGGED) *SEE COMMENT 1 .



LABORATORIES, INC.

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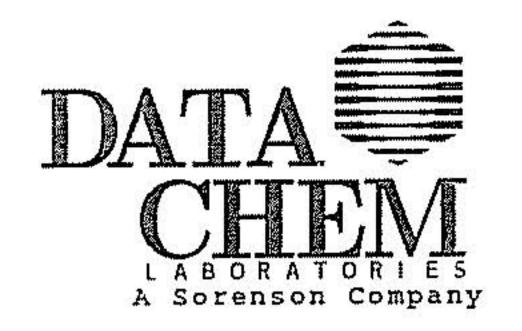




Data Package Table of Contents

Information pertaining to this data package is divided into the four categories listed below. If applicable, a Case Narrative immediately precedes this Table of Contents and contains pertinent information about this data package.

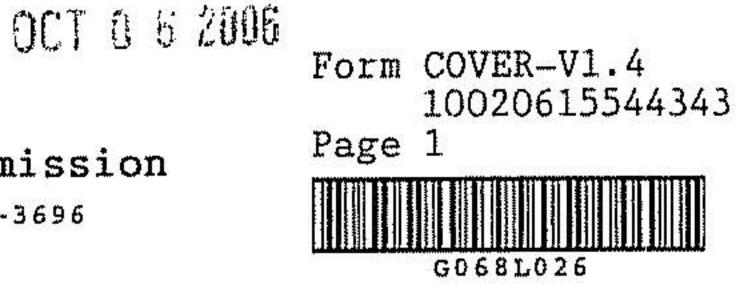
> Sample Tracking Documentation Pink Raw Data Green



COVER PAGE

ANALYTICAL REPORT FOR North Dakota State Water Commission

Phone(703) 328-2739 Fax(701) 328-3696



DCL Report Group. : 06E-0590-04

Date Printed....: 02-0CT-06 15:54

Project Protocol #: P0186001 Client Ref Number .: CCS Sampling Release Number: CCS Sampling

Analysis Method(s): 8332

North Dakota State Water Commission Attention: W.M. Schuh 900 East Boulevard Bismarck, ND 58505

<u>Client Sample Name</u>	Laboratory <u>Sample Name</u>	Date Sampled	Date <u>Received</u>		
Method Blank	BL-250880-1	NA	NA		
LCS	QC-250880-1	NA	NA		
13102	06E04358	11-SEP-06	15-SEP-06		
13102	06E04358MS	11-SEP-06	15-SEP-06		
13102	06E04358MSD	11-SEP-06	15-SEP-06		
13102 FIELD DUP	06E04373	12-SEP-06	15-SEP-06		
FIELD BLANK	06E04359	13-SEP-06	15-SEP-06		
13086	06E04360	11-SEP-06	15-SEP-06		
13101	06E04362	11-SEP-06	15-SEP-06		
13087	06E04365	11-SEP-06	15-SEP-06		
13087	06E04365MS	12-SEP-06	15-SEP-06		
13087	06E04365MSD	12-SEP-06	15-SEP-06		
13097	06E04366	12-SEP-06	15-SEP-06		
13098	06E04367	12-SEP-06	15-SEP-06		
RESERVOIR CAMP CROFTON	06E04368	12-SEP-06	15-SEP-06		
SOUTH SPRING	06E04369	12-SEP-06	15-SEP-06		
SOUTH SPRING FIELD DUP	06E04370	12-SEP-06	15-SEP-06		

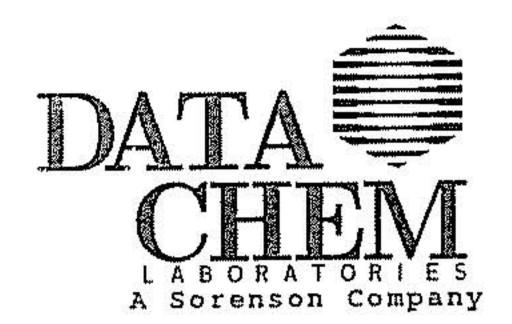
Tom Basel

10.2.06 Date

01

Analyst: Thomas N. Bosch

7.22 10/02/06 Reviewer: Thomas T McKay Date Lab Supervisor: Richard W. Wade Date



SAMPLE GROUP COMMENTS



Client Name...: North Dakota State Water Commission

Release Number: CCS Sampling

Sample Group Comments

See narrative for comments.

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.

DataChem Laboratories, Inc. is accreditated by the State of Utah, Bureau of Laboratory Improvement under NELAP for specific fields of testing as documented in its current scope of accrediation (ID# DATA1) which is available by request or on the internet at http://hlunix.hl.state.ut.us/els/labimp/labcertification/labsutahcert.mdb. The quality systems implemented in the laboratory apply to all methods performed by DataChem regardless of this current scope of accreditation which does not include performance based methods, modified methods and methods applied to matrices not listed in the methods.

Report generation options: BX

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.



SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4 10020615544343 Page 3

Date Printed.: 02-OCT-06 15:54

Date Received.: 15-SEP-06 00:00

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: 13102 DCL Sample Name...: 06E04358 DCL Report Group..: 06E-0590-04

DCL Analysis Group: G069100C Analysis Method...: 8332 Instrument Type...: HPLC Instrument ID....: LC03 Column Type.....: Ultracarb ODS [X] Primary [] Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
	28-SEP-06 17:25	0.480	ND		U	1	0.97
PETN Nitroglycerin	28-SEP-06 17:25		ND		ע	1	0.97

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 Phone (801) 266-7700 Web Page: www.datachem.com FAX (801) 268-9992 E-mail: lab@datachem.com

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SAMPLE ANALYSIS DATA SHEET



Client Name: North Dakota State Water Commission Client Ref Number: CCS Sampling Sampling Site: 1856 Release Number: CCS Sampling

Date Received....: 15-SEP-06 00:00

DCL Preparation Group: G068P017 Date Prepared: 21-SEP-06 00:00 Preparation Method ...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: 13102 FIELD DUP DCL Sample Name: : 06E04373 DCL Report Group: : 06E-0590-04

DCL Analysis Group: G069100C Analysis Method...: 8332 Instrument Type...: HPLC Instrument ID....: LC03 Column Type....: Ultracarb ODS X Primary

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
PETN	28-SEP-06 19:15	0.480	ND	2 	ប	1	0.97
Nitroglycerin	28-SEP-06 19:15	0.141	ND		<u> </u>	1.	0.97

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 Phone (801) 266-7700 Web Page: www.datachem.com FAX (801) 268-9992 E-mail: lab@datachem.com

.



SAMPLE ANALYSIS DATA SHEET



Date Printed....: 02-0CT-06 15:54

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Date Received ....: 15-SEP-06 00:00
```

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: FIELD BLANK DCL Sample Name...: 06E04359 DCL Report Group...: 06E-0590-04

Matrix.....: WATER Date Sampled....: 13-SEP-06 00:00 Reporting Units...: ug/L Report Basis...: XAs Received [] Dried

DCL Analysis Group: G069100C Analysis Method...: 8332 Instrument Type...: HPLC Instrument ID....: LC03 Column Type...: Ultracarb ODS X Primary Confirmation

Analytical Results

	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
analyte	28-SEP-06 19:51	0.480	ND	1	U	1	0.97
PETN Nitroglycerin	28-SEP-06 19:51		ND		U	1	0.97

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 Phone (801) 266-7700 Web Page: www.datachem.com FAX (801) 268-9992 E-mail: lab@datachem.com

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SAMPLE ANALYSIS DATA SHEET



12

Date Printed....: 02-0CT-06 15:54

Date Received: 15-SEP-06 00:00

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: 13086 DCL Sample Name...: 06E04360 DCL Report Group..: 06E-0590-04

DCL Analysis Group: G069100C Analysis Method ...: 8332 Instrument Type ...: HPLC Instrument ID....: LC03 Column Type: Ultracarb ODS X Primary

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
	28-SEP-06 20:28	0.480	ND		U	1	0.97
PETN Nitroglycerin	28-SEP-06 20:28	MINITATI	ND		U	1.	0.97

05



SAMPLE ANALYSIS DATA SHEET



06

Client Name....: North Dakota State Water Commission Client Ref Number...: CCS Sampling Sampling Site....: 1856 Release Number...: CCS Sampling

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Date Received ....: 15-SEP-06 00:00
```

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: 13101 DCL Sample Name: : 06E04362 DCL Report Group: : 06E-0590-04

DCL Analysis Group: G069100C Analysis Method....: 8332 Instrument Type....: HPLC Instrument ID....: LC03 Column Type.....: Ultracarb ODS X Primary

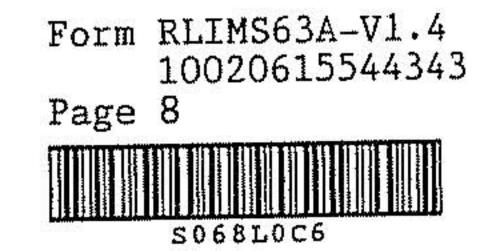
Analytical Results

2012년 1월 2012년 2012년 1월 2012년 1		The Distance of the second s
Date		
1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	

			1	the second s		
1:04	0.480	ND		υ	1	0.97
		ND		U	1	0.97
	L:04	1:04 0.141	1:04 0.141 ND	1:04 0.141 ND	1:04 0.141 ND U	1:04 0.141 ND U 1



SAMPLE ANALYSIS DATA SHEET



Date Printed.....: 02-0CT-06 15:54

Client Name.....: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

```
Date Received .....: 15-SEP-06 00:00
```

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: 13087 DCL Sample Name: 06E04365 DCL Report Group:: 06E-0590-04

Matrix.....: WATER Date Sampled....: 11-SEP-06 00:00 Reporting Units...: ug/L Report Basis....: XAs Received [] Dried

DCL Analysis Group: G069100C Analysis Method ... : 8332 Instrument Type ... : HPLC Instrument ID ... : LC03 Column Type ... : Ultracarb ODS X Primary

Analytical Results

1

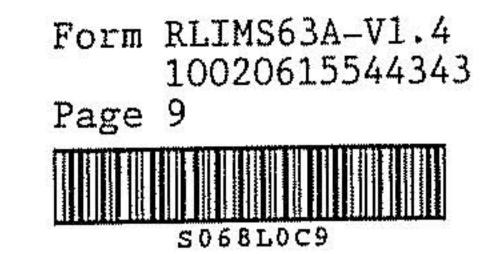
	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	28-SEP-06 21:41	0.480	ND		U	1	0.97
PETN			ND		U	1	0.97
Nitroglycerin	28-SEP-06 21:41	0.141			<u></u>	And the second s	, <u>1994 - 1995 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996</u>

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07



SAMPLE ANALYSIS DATA SHEET



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Date Received .....: 15-SEP-06 00:00
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DCL Preparation Group: G068P017 Date Prepared.....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: 13097 DCL Sample Name...: 06E04366 DCL Report Group...: 06E-0590-04

DCL Analysis Group: G069100C Analysis Method ...: 8332 Instrument Type: HPLC Instrument ID: LC03 Column Type: Ultracarb ODS X Primary

Analytical Results

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Date	ŧ	1 No. CA CH 102	DESERVATE:

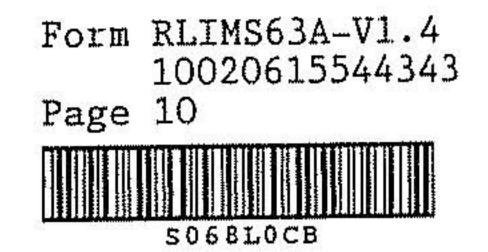
Analyte	Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
PETN	29-SEP-06 00:07	0.480	ND		U	1	0.97
Nitroglycerin	29-SEF-06 00:07		ND		U	1 1	0.97

03

.



SAMPLE ANALYSIS DATA SHEET



Date Printed.: 02-OCT-06 15:54

Client Name: North Dakota State Water Commission Client Ref Number: CCS Sampling Sampling Site.....: 1856 Release Number: CCS Sampling

```
Date Received ....: 15-SEP-06 00:00
```

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: 13098 DCL Sample Name...: 06E04367 DCL Report Group...: 06E-0590-04

Matrix.....: WATER Date Sampled....: 12-SEP-06 00:00 Reporting Units...: ug/L Report Basis....: XAs Received Dried

DCL Analysis Group: G069100C Analysis Method ... : 8332 Instrument Type ... : HPLC Instrument ID ... : LC03 Column Type ... : Ultracarb ODS X Primary

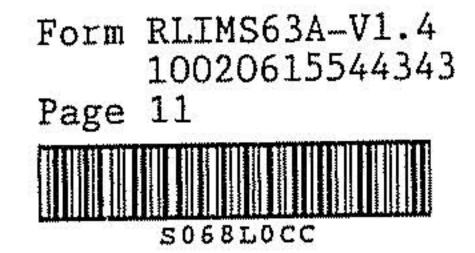
Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
	29-SEP-06 00:43	0.480	ND		U	1	0.97
PETN Nitroglycerin	29-SEP-06 00:43		ND		U	1	0.97

0.3



SAMPLE ANALYSIS DATA SHEET



10

Client Name.....: North Dakota State Water Commission Client Ref Number....: CCS Sampling Sampling Site....: 1856 Release Number....: CCS Sampling

```
Date Received. ....: 15-SEP-06 00:00
```

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume....: Not Required Client Sample Name: RESERVOIR CAMP CROFTON DCL Sample Name ...: 06E04368 DCL Report Group ...: 06E-0590-04

DCL Analysis Group: G069100C Analysis Method....: 8332 Instrument Type....: HPLC Instrument ID.....: LC03 Column Type.....: Ultracarb ODS X Primary

Analytical Results

$\lambda = -3$ who	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
Analyte	29-SEP-06 01:19	0.480	ND		U	1	0.97
PETN Nitroglycerin	29-SEP-06 01:19		ND		U	1	0.97



SAMPLE ANALYSIS DATA SHEET



SO68LOCD

Date Printed....: 02-0CT-06 15:54

Date Received.: 15-5EP-06 00:00

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume...: Not Required Client Sample Name: SOUTH SPRING DCL Sample Name: 06E04369 DCL Report Group:: 06E-0590-04

Matrix : WATER Date Sampled : 12-SEP-06 00:00 Reporting Units : ug/L Report Basis : XAs Received Dried

DCL Analysis Group: G059100C Analysis Method...: 8332 Instrument Type...: HPLC Instrument ID....: LC03 Column Type...: Ultracarb ODS XPrimary Confirmation

Analytical Results

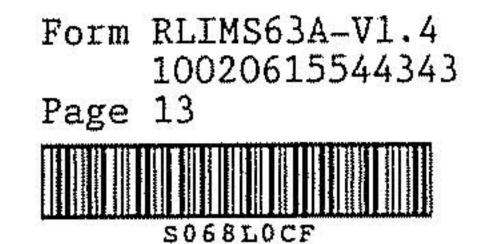
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Analyte	Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
PETN	29-SEP-06 18:24	0.480	ND		U	1 1	0.97
Nitroglycerin	29-SEP-06 18:24	0.141	ND		U	1	0.97

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 Phone (801) 266-7700 Web Page: www.datachem.com FAX (801) 268-9992 E-mail: lab@datachem.com



SAMPLE ANALYSIS DATA SHEET



Date Printed....: 02-0CT-06 15:54

Client Name....: North Dakota State Water Commission Client Ref Number...: CCS Sampling Sampling Site....: 1856 Release Number...: CCS Sampling

Date Received: 15-SEP-06 00:00

DCL Preparation Group: G068P017 Date Prepared.....: 21-SEP-06 00:00 Preparation Method....: 8332 Aliquot Weight/Volume: 770 mL Net Weight/Volume.....: Not Required Client Sample Name: SOUTH SPRING|FIELD DUP DCL Sample Name...: 06E04370 DCL Report Group..: 06E-0590-04

DCL Analysis Group: G069100C Analysis Method ...: 8332 Instrument Type: HPLC Instrument ID: LC03 Column Type: Ultracarb ODS X Primary Confirmation

Analytical Results

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Date		1	0.50	38 3.0 02 02%	

Analyte	Analyzed	MDL	Result	Comment	Qual.	Dilution	PQL
PETN	29-SEF-05 19:00	0.480	ND		U	1	0.97
Nitroglycerin	29-SEP-06 19:00	0.141	ND		U	1 1	0.97

12



QUALITY CONTROL DATA SHEET LABORATORY CONTROL SAMPLE (LCS)



32

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DCL Sample Name ...: QC-250880-1 Date Printed....: 03-OCT-06 11:39

DCL Analysis Group: G069100C Analysis Method...: OL-SW-8332 Instrument Type...: HPLC Instrument ID...: LC03 Column Type...: Ultracarb ODS X Primary Confirmation

QC Limit Type : Method

Client Name.....: North Dakota State Water Commission Release Number....: CCS Sampling

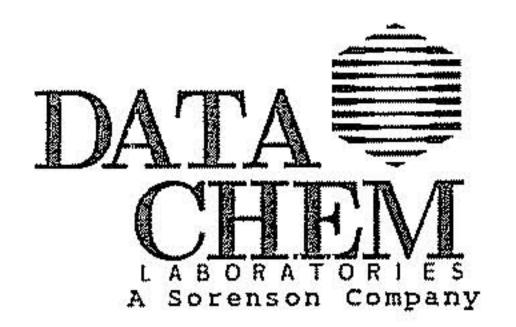
Matrix....: WATER Reporting Units....: ug/L

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332

Analytical Results

12

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
PETN	28-SEP-06 16:49	26.0	23.4	90.1	65.0/125.	
Nitroglycerin	28-SEP-06 16:49	26.0	21.0	80.9	65.0/125.	



QUALITY CONTROL DATA SHEET BLANK SAMPLE



Release Number: CCS Sampling

Matrix WATER Reporting Units....: ug/L

Analytical Results

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method ...: 8332

DCL Sample Name ...: BL-250880-1 Date Printed.: 03-0CT-06 11:42

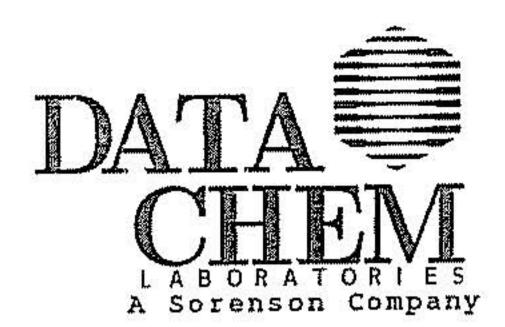
DCL Analysis Group: G069100C Analysis Method: 8332 Instrument Type: HPLC Instrument ID....: LC03 Column Type: Ultracarb ODS X Primary Confirmation

QC Limit Type: Method

Analyte	Date Analyzed	Result	MDL	CRDL
PETN	28-SEP-06 16:12	ND	0.480	0.97
Nitroglycerin	28-SEP-06 16:12	ND	0.141	0.97

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Release Number : CCS Sampling

DCL Preparation Group: G068P017

Date Prepared.: 21-SEP-06 00:00

Reporting Units ug/L

Preparation Method. ..: 8332

FORM F (TYPE I) SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



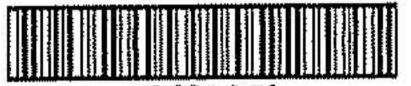
DCL Sample Name ...: 06E04358MS Date Printed....: 02-0CT-06 15:54

DCL Analysis Group: G069100C Analysis Method ...: OL-SW-8332 Instrument Type ...: HPLC Instrument ID....: LC03 Column Type ...: Ultracarb ODS XPrimary Confirmation

QC Limit Type : Method

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
PETN	28-SEP-06 18:02	ND	23.2	26.0	89.2	65.0/125.	
Nitroglycerin	28-SEP-06 18:02		19.9	26.0	76.8	65.0/125.	

Analytical Results



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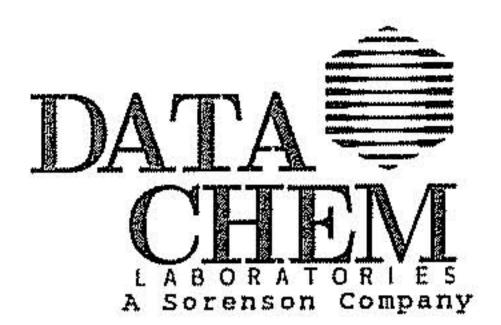
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DCL Sample Name ...: 06E04358MSD

Analytical Results

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Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
PETN	28-SEP-06 18:38	22.4	86.1	22.8	0.809	3.6	0.00/35.0	
Nitroglycerin	28-SEP-06 18:38		81.2	20.5	1.15	5.6	0.00/35.0	



QUALITY CONTROL DATA SHEET MATRIX SPIKE SAMPLE MATRIX SPIKE DUPLICATE SAMPLE



DCL Sample Name...: 06E04365MS Date Printed...: 02-0CT-06 15:54

DCL Analysis Group: G069100C Analysis Method...: OL-SW-8332 Instrument Type...: HPLC Instrument ID...: LC03 Column Type...: Ultracarb ODS X Primary

QC Limit Type : Method

Client Name.....: North Dakota State Water Commission Release Number....: CCS Sampling

Matrix....: WATER Reporting Units....: ug/L

DCL Preparation Group: G068P017 Date Prepared....: 21-SEP-06 00:00 Preparation Method...: 8332

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
PETN	28-SEP-06 22:17	ND	22.3	26.0	85.7	65.0/125.	
Nitroglycerin	28-SEP-06 22:17	ND	20.8	26.0	80.1	65.0/125.	



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DCL Sample Name ...: 06E04365MSD

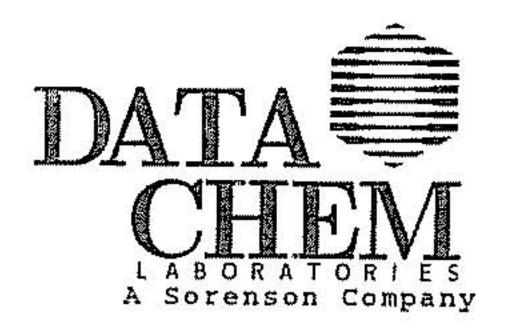
Analytical Results

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Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
PETN	28-SEP-06 22:54	21.6	83.1	21.9	0.696	3.2	0.00/35.0	
Nitroglycerin	28-SEP-06 22:54	20.6	79.3	20.7	0.219	1.1	0.00/35.0	

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QUALITY CONTROL DATA SHEET SURROGATE SUMMARY

Form	RLIMS63G-V1.4
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Page	18
	G068P017
	G068P017

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Date Printed....: 02-OCT-06 15:54

DCL Analysis Group: G069100C Analysis Method...: OL-SW-8332

DCL Prep Group....: G068P017 Preparation Method: 8332

QC Limit Type : Method

Client Name: North Dakota State Water Commission Release Number: CCS Sampling

Surrogate Recoveries

Surr. ID	1-Nitr	onaphthal	ene			T				
QC Limits		5.0/125.								
DCL Sample Number	Analyte Result	Spiked Amount	Rec. Q	Analyte Result	Spiked Amount	Rec. Q	Analyte Result	Spiked Amount	Rec.	1
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06E04358MSD	11.2	13.0	86.3	1			·		~~[
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06E04362	12.2	13.0	94.2				· · · · · · · · · · · · · · · · · · ·			
06204365	12.2	13.0	93.8	······································		<u> </u>				+
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06E04365MSD	11.1	13.0	85.4							
06E04366	11.3	13.0	87.4						_	-
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06E04368	11.4	13.0	87.7							
06E04369	8.76	13.0	67.5	······································						+
06E04370	11.5	13.0	88.8			<u> </u>				4
06E04373	11.5	13.0	88.4			-	·	··		\downarrow
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Page of	Sample Type Codes: A) Alr D) Dust T) Tape S) Surface Swab W) Water W) Water WC) Wall Chack W) Water WC) Wall Chack O) Other O) Other 2) Sterile Saline 3) Buffer Aemarks Remarks		COECA222 COECA222 d longer than 3 months) oratories, Inc. y Drive UT 84123 66-3135 66-3135 66-37700 68-9992 1.com
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DataChem Laboratories CHAIN-OF-CUSTODY

Page 1 of 2 Results due by: 20-Sep-2006

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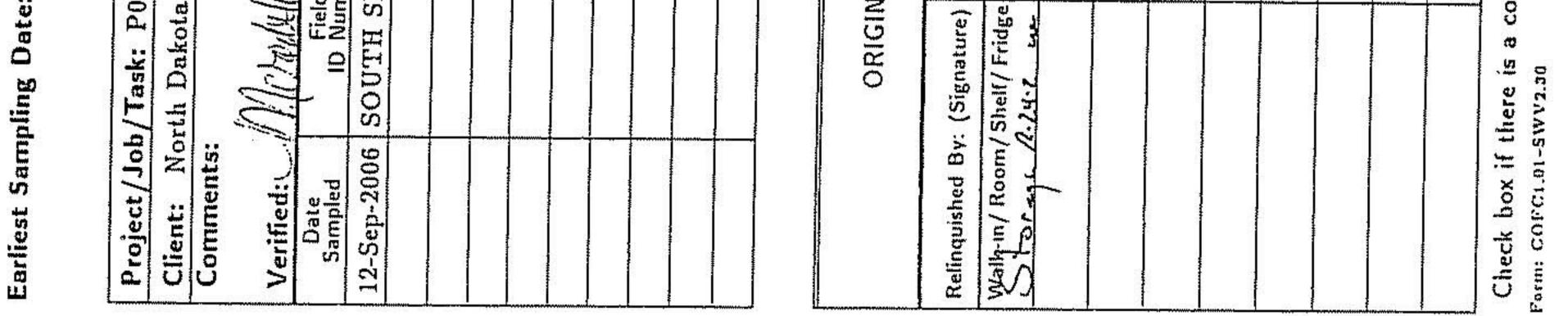
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Phone: FAX:		CCS Sound Ing Sampler: (Signature)	Teser Sample	J () 1)	0, 01 Control Codes: 2) HCI (0 H42, 4°C 3) H5C, to PH52, 4°C 4) HNC H42, 4°C 3) H5C, to PH52, 4°C
e-mail: Field Sample Number	Plate	Time Depth : DoL Semple Number	28 ; ZZ ; ZZ ;	28.	
ROYANMY JAMP Craftion	1 122-104				3 40x 31- 2 Voc. 31-
LINNYMING	E E	52			3400, 31
	112-104	天 の し し		X	1
Possible Hazard Identification Non-Hazard Skin Irritant Flammable Poison	Rad	Sample Disposal	Archive for Months	ested Turn An Days (Rush)	le Days
	100	be assessed if samples are retained longer than	i i	Rush is email or fax dat	LI 14 Days LI Other Ita unless previously approved)
Relinquished by: (Signature)		Received by: (Signature)		Date Time	hipped to:
Relinquished by: (Signature)		Received by: (Signature)		Date Time	960 West LeVoy Drive Salt Lake City, UT 84123 Phone: (800) 356-9135
Relinquished by: <i>(Signature)</i>		Received by: (Signature)		Date Time	Phone: (801) 266-7700 FAX: (801) 268-9992 Www.datachem.com
CoC.xis		White - Laboratory Copy	Yellow - Client Copy		
					B/17/70815 Revision

8/17/2005 Revision

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Page 1 of 2

Results due by: 20-Sep-2006

01	Vola	tiles by	8260B	X	×	×	×	×	×	×	×	×	×
Reporting Group		Analysis											
Root Set ID: 06E-0590 *	Account: 08001		Customer ID 2									CAMP CROFTON	WATER CAMP CROFTOD
Root Set			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			ас		MS	MSD							
Split:	1	(, enlys	<u>FUNENCO DCL Sample</u> ID										2
	tter Commission	All and he	ple	06E04358	06E04358MS	06E04358MSD	06E04359	06E04360	06E04362	06E04366	06E04367	06E04368	06E04369
Task: P0186001	th Dakota State Water	Manual 2	IN Field		13102	13102	FIELD BLANK	13086	13101	13097	13098	RESERVOIR	SOUTH SPRING

JSTODY	k No	Reason for Transfer/ Storage Location					
SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY	Date/Time:	Received By: (Signature)					
PARATION / A		Date/Time					
SAMPLE PRE	ed/Analysis tor: ed/Analyzed by:	shed By: (Signature)				3	

Earliest Sampling Date: 11-Sep-2006

taChem Laboratories CHAIN-OF-CUSTODY DataChem

ORIGIN	AL FIELD SAM	ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY	Z	Sample Prepare
(Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location	Relinquis
Shelf / Fridge	9.21.26	L WD	they when they wan	
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Printed 9/19/2006 17:05

Ferm: COFC1.01-5WV2.30 Walk-in/ Room/S 75 70-7 **Nort**] Relinquished By: Project/Job/ Check box if Client: Nor Comments: 12-Sep-2006 12-Sep-2006 12-Sep-2006 11-Sep-2006 12-Sep-2006 11-Sep-2006 13-Sep-2006 11-Sep-2006 11-Sep-2006 11-Sep-2006 Verified: Date Sampled 3 -5

Page 2 of 2

Results due by: 29-Sep-2006

	child.	KOOT 3	Koot Set IU: UOE-USU *	Itep	Keporting Group	Tn	_		34
th Dakota State Water Commission			Account: 08001			Vola			<u>е</u>
					Analysis	itiles		 	2
Plendull Brillickel 26 1	め花					by 8:	 	 	نه <i>د</i>
ber (CL Sample ID	QC Matrix	K Customer ID 2			260B	 		C)
NG		WATER	R FIELD DUP			×			5
		2						 1.	-0404
								 	20.2

				SAMPLE PRE	SAMPLE PREPARATION / ANALY	SIS CI	JSTODY
ORIGIN	ORIGINAL FIELD SAMPLE CHAIN-	IPLE CHAIN-OF-CUSTODY	DY	Sample Prep/Analysis for:		Lab Notebook No.:	k No.:
				Prepared/Analyzed by: _		Date/Time: -	
(Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Shelf/Fridge	9.22.94		12 may 1 2 cm				

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Earliest Sampling Date: 11-Sep-2006

taChem Laboratories CHAIN-OF-CUSTODY DataChem

Check box if there is a continuation page

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83

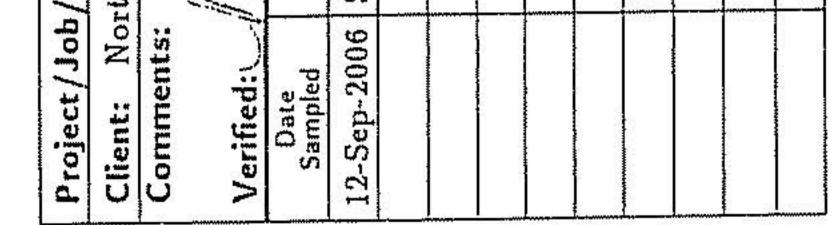
12 8

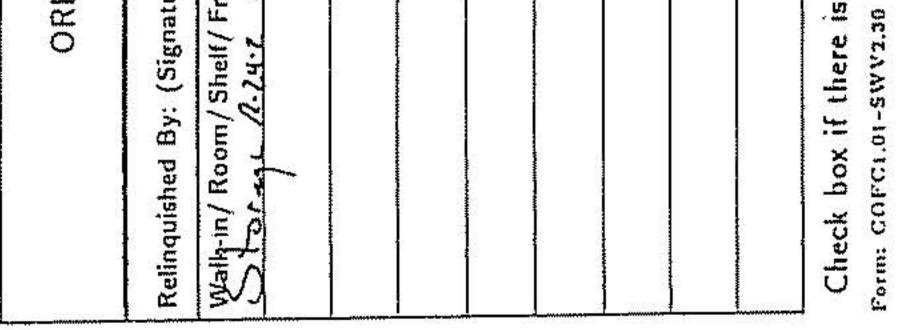
85

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11 - F.F.F.

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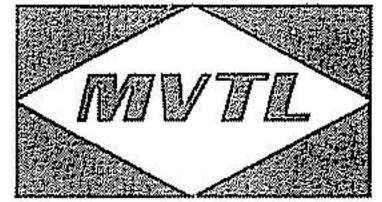
APPENDIX C: RESIDUES OF HERBICIDES, PESTICIDES, AND PETROLEUM

Laboratory results, and quality control report.

Includes:

Herbicides - picloram, bromoxynil, prometon, 2,4-D Insectide - malathion Petroleum Residues-GRO (Gasoline Range Organics)

> benzene toluene ethyl benzene xylenes (Total)



MINNESOTA VALLEY TESTING LABORATORIES, INC.

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Page: 1 of 1

			Report Date:	3 Oct 06	
BILL SCHUH			Lab Number: 06		
NORTH DAKOTA STATE WATER 900 EAST BOULEVARD	COMMISSION		Work Order #:8 Account #: 002	033	
BISMARCK ND 58505			Sample Matrix:	GROUNDWATER	
			Date Sampled:	6 Sep 06	
			Date Received:	8 Sep 06	
Project Number: 1856			PO #: 1856	765-0	
Sample Description: 13100					
W3839			Temp at Receip	t: 5.0 C	
As Rece	ived N	Method	Method	Date	
Result	F	2L	Reference	Analyzed	A

			20. 7	
			12 Sep 06	SP
			13 Sep 06	SP
dqq	0.5	3510	29 Sep 06	RB
(3) 31 203 200	03	MDA-EA-WA200	28 Sep 06	RB
	0.3	MDA-EA-WA200	28 Sep 06	RB
	0 1	MDA-EA-WA200	28 Sep 06	RB
20 (20 (30 m))	0.5	3510/GCMS	29 Sep 06	RB
	ppb ug/L ug/L ppb ug/L client	ug/L 0 3 ug/L 0.3 ppb 0 1 ug/L 0.5	ug/L 0 3 MDA-EA-WA200 ug/L 0.3 MDA-EA-WA200 ppb 0 1 MDA-EA-WA200	ppb 0.5 3510 29 Sep 06 ug/L 0.3 MDA-EA-WA200 28 Sep 06 ug/L 0.3 MDA-EA-WA200 28 Sep 06 ppb 0.1 MDA-EA-WA200 28 Sep 06

DCAA SURROGATE RECOVERY: 119 %

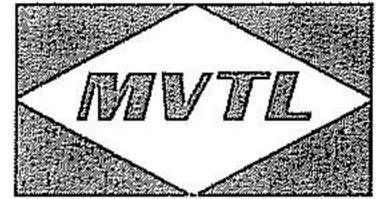
1: K

RL = Reporting Limit

Elevated 'Less Than Result' (<): G = Due to sample matrix # = Due to sample concentration ! = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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				Page: l of l				
BILL SCHUH NORTH DAKOTA ST 900 EAST BOULEV BISMARCK ND S	ARD	COMMISSION		Report Date: 3 Oct 06 Lab Number: 06-A39354 Work Order #:82-1827 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 6 Sep 06 Date Received: 8 Sep 06				
Project Number: 1856			PO #: 1856					
Sample Description: 13	085							
WE	840			Temp at Recei	ipt: 5.0 C			
	As Receiv Result	ved	Method RL	Method Reference	Date Analyzed	Analyst		
Date Ext / MDA List II				······································	13 Sep 06	SP		
2,4-D	< 0.3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB		
Picloram	< 0 3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB		
Bromoxynil	< 0.1	ppb	0.1	MDA-EA-WA200	28 Sep 06	RB		

** No collection time supplied by the client.

DCAA SURROGATE RECOVERY: 71 %

100

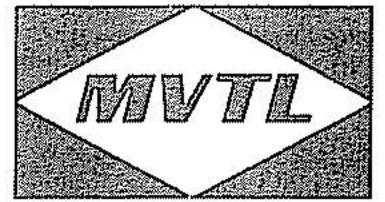
100

PI = Reporting Limit

F----

- Due to sample concentration Elevated "Less Than Result" (<): @ = Due to sample matrix + = Due to extract volume ! = Due to sample quantity IA LAB #: 022 11D WW/DW # R-040 IA LAB #: 132 ND MICRO # 1013-M WI LAB # 999447680 CERTIFICATION: MN LAB # 027-015-125

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

Project Number: 1856 Sample Description: 13094 W3841 Report Date: 3 Oct 06 Lab Number: 06-A39355 Work Order #:82-1827 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 6 Sep 06 Date Received: 8 Sep 06 PO #: 1856

Temp at Receipt: 5.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed		Analyst	
Date Ext / MDA List II			- 2. 		13	Sep	06	SP
Malathion	< 0.5	ppb	0.5	3510	29	Sep	06	RB
2,4-D	< 0.3	ug/L	0.3	MDA-EA-WA200	28	Sep	06	RB
Picloram	< 0.3	ug/L	0.3	MDA-EA-WA200	26	Sep	06	RB
Bromoxynil	< 0 1	ppb	0.l	MDA-EA-WA200	28	Sep	06	RB

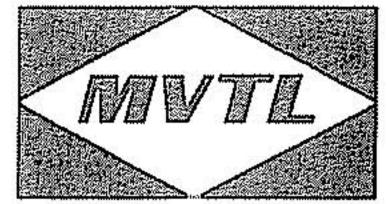
** No collection time supplied by the client.

DCAA SURROGATE RECOVERY: 89 %

RL * Reporting Limit

Elevated *Less Than Result * (*): @ = Due to sample matrix # = Due to sample concentration : = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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Page: 1 of 1

PO #: CGS/1856

BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

Lab Number: 06-A40524 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06

Sample Description: 13089

Temp at Receipt: 6.0 C

Report Date: 3 Oct 06

	As Received Result		Method RL	Method Reference	Date Analyzed		Analyst
Date Ext / MDA List II		***********************	<u></u>		13	Sep 06	SP
Benzene	< 1	ppb	l	8021/5030	18	Sep 06	RDQ
Toluene	< 1	ppb	1	8021/5030	18	Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	18	Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	18	Sep 06	RDQ
GRO (TPH)	< 0 2	mg/L	0.2	8015B/OA1	18	Sep 06	RDQ
Malathion	< 0.5	ppb	0.5	3510	29	Sep 06	RB
2,4-D	< 0 3	ug/L	O.3	MDA-EA-WA200	28	Sep 06	RB
Picloram	< 0 3	ug/L	0.3	MDA-EA-WA200	28	Sep 06	RB
Bromoxynil	< 0.1	ppb	0 - 1	MDA-EA-WA200	28	Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 112 %

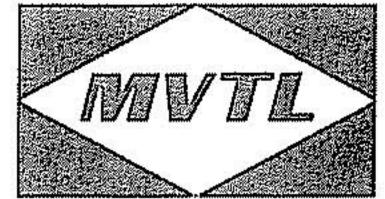
GRO SURROGATE RECOVERY: 86 %

DCAA SURROGATE RECOVERY: 70 %

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix # = Due to sample concentration ! = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

Page: 1 of 1

Report Date: 3 Oct 06 Lab Number: 06-A40525 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: 13089 FIELD DUPLICATE

Temp at Receipt: 6.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Benzene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ
Toluene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	18 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	18 Sep 06	RDQ
Malathion	< 0.5	ppb	0.5	3510	29 Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

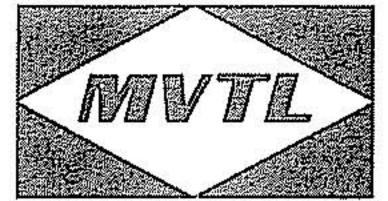
BTEX SURROGATE RECOVERY: 110 %

GRO SURROGATE RECOVERY: 85 %

RL = Reporting Limit

- Due to sample concentration Elevated "Less Than Result" (x): G = Due to sample matrix + = Due to extract volume ! . Due to sample quantity IA LAB #: 132 IA LAB #: 022 11D WW/DW # R-040 ND MICRO # 1013-M WI LAB # 999447680 CERTIFICATION: MN LAB # 027-015-125

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

Sample Description: 13103

Report Date: 3 Oct 06 Lab Number: 06-A40526 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Temp at Receipt: 6.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List I					12 Sep 00	5 SP
Benzene	< 1	ppb	1	8021/5030	18 Sep 06	5 RDQ
Toluene	< 1	ppb	1	8021/5030	18 Sep 06	5 RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	18 Sep 06	5 RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	18 Sep 06	5 RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	18 Sep 06	5 RDQ
Prometon (Pramitol)	< 0.5	ug/L	0、5	3510/GCMS	29 Sep 06	

** No collection time supplied by the client

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 112 %

GRO SURROGATE RECOVERY: 86 %

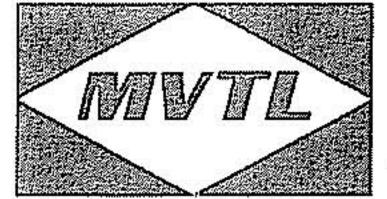
ATRAZINE-D5 SURROGATE RECOVERY: 59 %

TRIPHENYLPHOSPHATE SURROGATE RECOVERY: 51 5

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix # = Due to sample quantity + = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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BILL SCHUH

NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505 Report Date: 3 Oct 06 Lab Number: 06-A40527 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 11 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: 13087

Temp at Receipt: 6.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed		Analyst
Date Ext / MDA List II					13 Sep 06		SP
Benzene	33	ppb	1.0	8021/5030	18	Sep 06	RDQ
Toluene	6.8	ppb	1.0	8021/5030	18	Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	18	Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	18	Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	18	Sep 06	RDQ
2,4-D	< 0.3	ug/L	0.3	MDA-EA-WA200		Sep 06	RB
			0.3	MDA EA		Con DC	PB

Picloram	< 0.3	ug/L	0.5	MDA-EA-WAZUU	26 Sep 06	R IS
Bromoxynil	< 0.1	dqq	0.1	MDA-EA-WA200	28 Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 115 %

GRO SURROGATE RECOVERY: 86 %

DCAA SURROGATE RECOVERY: 109 \$

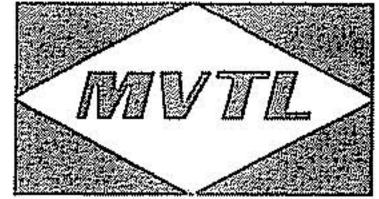


RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix # - Due to sample concentration t = Due to sample quantity + = Due to extract volume

CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505 Report Date: 3 Oct 06 Lab Number: 06-A40528 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 11 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: 13088

Temp at Receipt: 6.0 C

	As Recei Result	As Received Result		Method Reference	Date Analyzed	Analyst	
Benzene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ	
Toluene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ	
Ethyl Benzene	< 1	ppb	1.	8021/5030	18 Sep 06	RDQ	
Xylenes (Total)	< 3	ppb	3	8021/5030	18 Sep 06	RDQ	
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	18 Sep 06	RDQ	

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

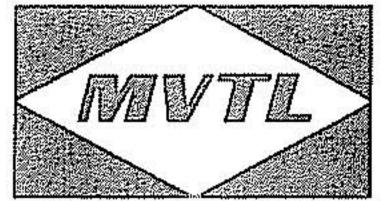
BTEX SURROGATE RECOVERY: 113 %

GRO SURROGATE RECOVERY: 87 %

RL = Reporting Limit

Elevated "Less Than Result" (<): @ = Due to sample matrix # = Due to sample concentration ! > Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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Report Date: 3 Oct 06 Lab Number: 06-A40529 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 11 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: 13092

BILL SCHUH

900 EAST BOULEVARD

BISMARCK ND 58505

Temp at Receipt: 6.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Benzene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ
Toluene	< 1	ppb	l	8021/5030	18 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	18 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	18 Sep 06	RDQ

** No collection time supplied by the client.

NORTH DAKOTA STATE WATER COMMISSION

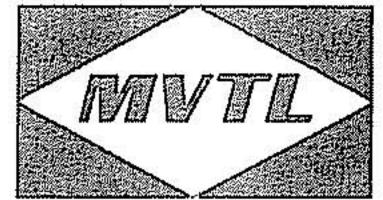
BIEX/GRO Sample pH < 2

BIEX SURROGATE RECOVERY: 113 %

GRO SURROGATE RECOVERY: 87 %

RL = Reporting Limit Elevated "Less Than Result" [<]: @ = Due to sample matrix # = Due to sample concentration : = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

Report Date: 3 Oct 06 Lab Number: 06-A40530 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: 13098

Temp at Receipt: 6.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List I		·····			17 Sep 06	SP
Benzene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ
Toluene	< 1	ppb	1	8021/5030	18 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	l	8021/5030	18 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	18 Sep 06	RDQ
GRO (TPH)	< 0 2	mg/L	0.2	8015B/OA1	18 Sep 06	RDQ
Prometon (Pramitol)	< 0.5	ug/L	0 5	3510/GCMS	26 Sep 06	RB

** No collection time supplied by the client

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 115 %

GRO SURROGATE RECOVERY: 88 %

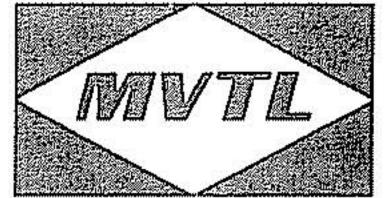
ATRAZINE-D5 SURROGATE RECOVERY: 61 %

TRIPHENYLPHOSPHATE SURROGATE RECOVERY: 72 %

RL = Reporting Limit

Elevated "Less Than Result" (c): @ = Due to sample matrix # = Due to sample concentration ! = Due to sample quantity + * Due to extract volume 11D WW/DW # R-040 IA LAB #: 022 IA LAB #: 132 WI LAB # 999447680 ND MICRO # 1013-M CERTIFICATION: MN LAB # 027-015-125

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505 Report Date: 3 Oct 06 Lab Number: 06-A40531 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: FIELD BLANK

Temp at Receipt: 6.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed		Analyst	
Date Ext / MDA List II				***************************************	13	Sep	06	SP
Benzene	< 1	ppb	1	8021/5030	18	Sep	06	RDQ
Toluene	< 1	ppb	1	8021/5030	18	Sep	06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	18	Sep	06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	18	Sep	06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	18	Sep	06	RDQ
Malathion	< 0.5	ppb	0.5	3510	29	Sep	06	RB
2,4-D	< 0.3	ug/L	0.3	MDA-EA-WA200	28	Sep	06	RB
Picloram	< 0.3	ug/L	0.3	MDA-EA-WA200	28	Sep	06	RB
Bromoxynil	< 0.1	ppb	О. 1	MDA-EA-WA200	28	Sep	06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 117 %

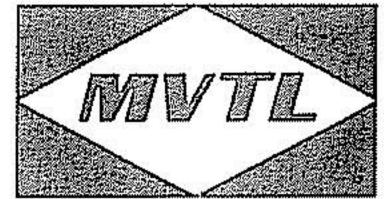
GRO SURROGATE RECOVERY: 86 %

DCAA SURROGATE RECOVERY: 81 %

RL = Reporting Limit

Elevated "Less Than Result" (c): @ = Due to sample matrix # = Due to sample concentration ! = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

Report Date: 3 Oct 06 Lab Number: 06-A40532 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: 13106

BILL SCHUH

Temp at Receipt: 6.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed		Analyst
Date Ext / MDA List II					13 Sep 06		SP
Benzene	< 1	ppb	1	8021/5030	19 9	Sep 06	RDQ
Toluene	< 1	ppb	1	8021/5030	19 9	Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	19 9	Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	19 5	Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	19 5	Sep 06	RDQ
Malathion	< 0.5	dqq	0.5	3510		Sep 06	RB
		1					

2,4-D	< 0.3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	КB
Picloram	< 0.3	ug/L	Ο.3	MDA-EA-WA200	28 Sep 06	RB
Bromoxynil	< 0.1	ppb	0.1	MDA-EA-WA200	28 Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 112 %

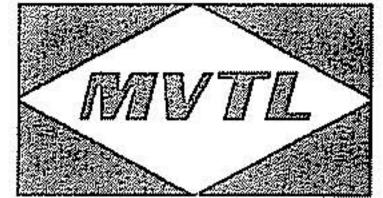
GRO SURROGATE RECOVERY: 84 %

DCAA SURROGATE RECOVERY: 96 %

RL = Reporting Limit

= Due to sample concentration Elevated "Less Than Result" (<): @ . Due to sample matrix + + Due to extract volume : - Due to sample quantity IA LAB #: 022 CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505 Report Date: 3 Oct 06 Lab Number: 06-A40533 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: 13093

Temp at Receipt: 6.0 C

	As Recei Result	ved	Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List II				*******	13 Sep 06	SP
Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Toluene	< 1	dqq	1	8021/5030	19 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	19 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	19 Sep 06	RDQ
Malathion	< 0 5	ddd	0 5	3510	29 Sep 06	RB
2,4-D	< 0 3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB
Picloram	< 0.3	ug/L	03	MDA-EA-WA200	28 Sep 06	RB
Bromoxynil	< 0.1	ppb	01	MDA-EA-WA200	28 Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

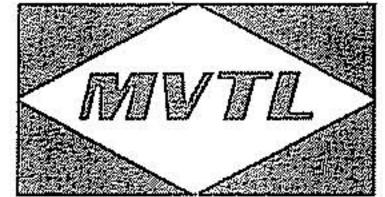
BIEX SURROGATE RECOVERY: 112 \$

GRO SURROGATE RECOVERY: 87 %

EL ≖	Reporting	Limit
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Elevated 'Less Than Result' (c): @ = Due to sample matrix ! = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505 Report Date: 3 Oct 06 Lab Number: 06-A40534 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: 13104

Temp at Receipt: 6.0 C

	As Recei Result	ved	Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List I					17 Sep 06	SP
Benzene	< 1	ppb	l	8021/5030	19 Sep 06	RDQ
Toluene	< 1	ppb	l	8021/5030	19 Sep 06	RDQ
Ethyl Benzene	< 1	dqq	1	8021/5030	19 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	19 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	19 Sep 06	RDQ
Prometon (Pramitol)	< 0 5	ug/L	0.5	3510/GCMS	26 Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 112 \$

GRO SURROGATE RECOVERY: 84 %

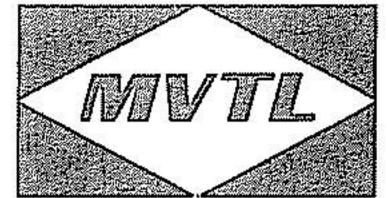
ATRAZINE-D5 SURROGATE RECOVERY: 64 %

TRIPHENYLPHOSPHATE SURROGATE RECOVERY: 66 %

RL = Reporting Limit

Elevated "Less Than Result" (c): @ - Due to sample matrix # = Due to sample concentration ! > Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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Report Date: 3 Oct 06 Lab Number: 06-A40535 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Temp at Receipt: 6.0 C

	As Received Result		Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List I					17 Sep 06	SP
Date Ext / MDA List II					13 Sep 06	SP
Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Toluene	< 1	dqq	1	8021/5030	19 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	B021/5030	19 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	19 Sep 06	RDQ
Malathion	< 0 5	ung) =	0.5	3510	29 Sep 06	RB

Sample Description: NORTH SPRING

Malachion	~ 0 5	ppn	Q. J	0.0.0	22 Och 00	a landar
2,4-D	< 0 3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB
Picloram	2.3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB
Bromoxynil	< 0.1	ddd	0.1	MDA-EA-WA200	28 Sep 06	RB
Prometon (Pramitol)	< 0 5	ug/L	0.5	3510/GCMS	26 Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 111 %

GRO SURROGATE RECOVERY: 83 %

ATRAZINE-DS SURROGATE RECOVERY: 63 %

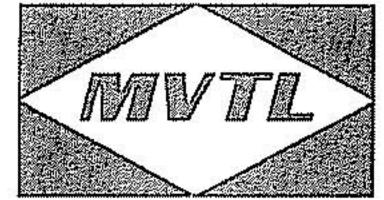
```
TRIPHENYLPHOSPHATE SURROGATE RECOVERY: 75 %
```

DCAA SURROGATE RECOVERY: 68 %

RL = Reporting Limit

Elevated "Less Than Result" (1): @ = Due to sample matrix # = Due to sample concentration ! = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

Lab Number: 06-A40536 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: S-WASH LAKE

Temp at Receipt: 6.0 C

Report Date: 3 Oct 06

	As Recei Result	ved	Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List I					17 Sep 06	SP
Date Ext / MDA List II					13 Sep 06	SP
Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Toluene	< 1	dqq	1	8021/5030	19 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	l	8021/5030	19 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	19 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	19 Sep 06	RDQ
Malathion	< 0.5	ppb	0.5	3510	29 Sep 06	RB
2,4-D	< 0.3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB
Picloram	< 0 3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB
Bromoxynil	< 0 1	ppb	0.1	MDA-EA-WA200	28 Sep 06	RB
Prometon (Pramitol)	< 0.5	ug/L	0.5	3510/GCMS	26 Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 112 %

GRO SURROGATE RECOVERY: 83 %

ATRAZINE-D5 SURROGATE RECOVERY: 56 %

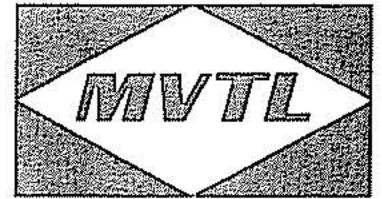
```
TRIPHENYLPHOSPHATE SURROGATE RECOVERY: 65 %
```

DCAA SURROGATE RECOVERY: 74 %

RL - Reporting Limit

= Due to sample concentration Elevated "Less Than Result" (<): @ - Due to sample matrix + = Due to extract volume ! . Due to sample quantity IA LAB #: 022 11D WW/DW # R-040 IA LAB #: 132 ND MICRO # 1013-M CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

FIELD DUPLICATE

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Report Date: 3 Oct 06 Lab Number: 06-A40537 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Temp at Receipt: 6.0 C

	As Recei Result	ved	Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List II	······································				13 Sep 06	SP
Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Toluene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	19 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	19 Sep 06	RDQ
Malathion	< 0.5	ppb	0.5	3510	29 Sep 06	RB
		PF~	n 2	MDA - FR - MA200	28 Sen OF	PB

2,4-1)	< U 3	ug/u	0.3	MDA-EA-MAZUU	20 360 00	
Picloram	< 0.3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB
Bromoxynil	< 0.1	ppb	0.1	MDA-EA-WA200	28 Sep 06	RB

** No collection time supplied by the client.

Sample Description: S-WASH LAKE

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 113 %

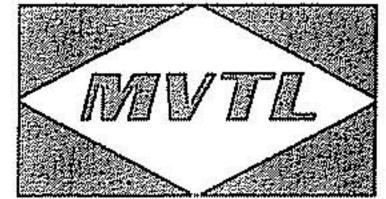
GRO SURROGATE RECOVERY: 84 %

DCAA SURROGATE RECOVERY: 83 %

.

RL = Reporting Limit

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same including sampling by MVTL. As a mutual protection to clients, the public and ourselves all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.



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Report Date: 3 Oct 06 Lab Number: 06-A40538 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: RESERVOIR

Temp at Receipt: 6.0 C

	As Recei Result	ved	Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List I					17 Sep 06	SP
Benzene	< 1	ppb	1	8021/5030	21 Sep 06	RDQ
Toluene	< 1.	ppb	1	8021/5030	21 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	1	8021/5030	21 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	21 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	21 Sep 06	RDQ
Prometon (Pramitol)	< D 5	ug/L	0.5	3510/GCMS	26 Sep 06	RB

** No collection time supplied by the client.

BIEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 113 %

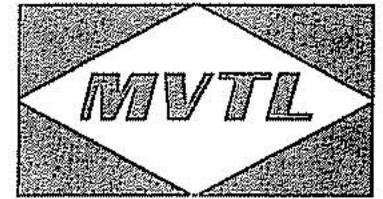
GRO SURROGATE RECOVERY: 84 %

ATRAZINE-D5 SURROGATE RECOVERY: 55 %

TRIPHENYLPHOSPHATE SURROGATE RECOVERY: 67 %

RL = Reporting Limit					
	Elevared "Less Than Result" (<): @ = Due to sample matrix ! = Due to sample quantity	<pre># = Due to sample concentration 4 = Due to extract volume</pre>			
	CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680	ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022			

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same-including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.



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Page: l of l

BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505 Report Date: 3 Oct 06 Lab Number: 06-A40539 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Sample Description: LAKE COE

Temp at Receipt: 6.0 C

	As Recei Result	lved	Method RL	Method Reference	Date Analyzed	Analyst
Date Ext / MDA List II					13 Sep 06	SP
Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Toluene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Ethyl Benzene	< 1	dqq	1	8021/5030	19 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	19 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0 2	B015B/OA1	19 Sep 06	RDQ
2,4-D	< 0 3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB
Picloram	< 0.3	ug/L	0.3	MDA-EA-WA200	28 Sep 06	RB

t t C t O t d in	· · · ·	~ 3/ 4	v . v		70 00 ⁵ 00	a transf
Bromoxynil	< 0.1	ppb	0 .1	MDA-EA-WA200	28 Sep 06	RB

** No collection time supplied by the client.

BTEX/GRO Sample pH < 2

BTEX SURROGATE RECOVERY: 111 %

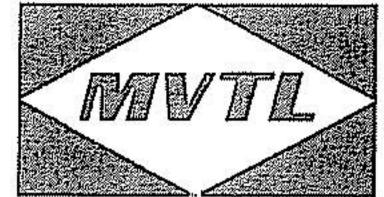
GRO SURROGATE RECOVERY: 83 \$

DCAA SURROGATE RECOVERY: 79 %

RL = Reporting Limit

Elevated 'Less Than Result" (c): @ = Due to sample matrix # = Due to sample concentration ! = Due to sample quantity + = Due to extract volume CERTIFICATION: MN LAB # 027-015-125 WI LAB # 999447680 ND MICRO # 1013-M ND WW/DW # R-040 IA LAB #: 132 IA LAB #: 022

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BILL SCHUH NORTH DAKOTA STATE WATER COMMISSION 900 EAST BOULEVARD BISMARCK ND 58505

Sample Description: TRIP BLANK

Page: 1 of 1

Report Date: 3 Oct 06 Lab Number: 06-A40540 Work Order #:82-1911 Account #: 002033 Sample Matrix: GROUNDWATER Date Sampled: 12 Sep 06 Date Received: 15 Sep 06 PO #: CGS/1856

Temp at Receipt: 6.0 C

	As Recei Result	ved	Method RL	Method Reference	Date Analyzed	Analyst
Benzene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Toluene	< 1	ppb	1	8021/5030	19 Sep 06	RDQ
Ethyl Benzene	< 1	ppb	l	8021/5030	19 Sep 06	RDQ
Xylenes (Total)	< 3	ppb	3	8021/5030	19 Sep 06	RDQ
GRO (TPH)	< 0.2	mg/L	0.2	8015B/OA1	19 Sep 06	RDQ

** No collection time supplied by the client

BIEX/GRO Sample pH < 2

BIEX SURROGATE RECOVERY: 114 %

GRO SURROGATE RECOVERY: 84 %

RL - Reporting Limit				
Elevated "Less Than Result" (<): @ = Due to sample ! = Due to sample		to sample concentration to extract volume		
CERTIFICATION: MN LAB # 027-015-125 WI LAB # 9	99447680 ND MICRO # 1013-M	ND WW/DW # R-040 IA	LAB #: 132	IA LAB #: 022

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.



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> Quality Control Report for BTEX/GRO – EPA Method 8021 Date: 18 September 2006 WO Number: 200682-1911 Samples: 06-A40524 through 06-A40531

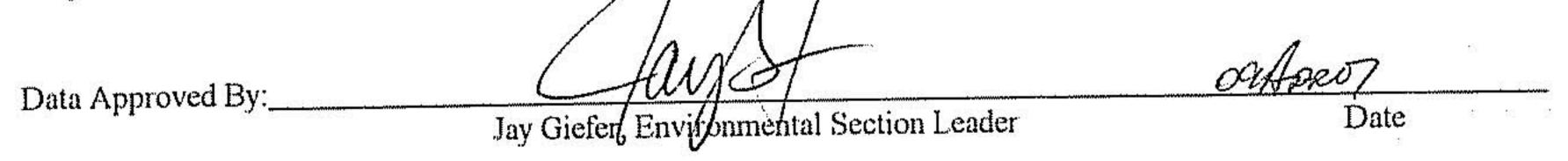
Matrix Spike Data QC Sample: 06-A40524					
Compound	Sample	Matrix Spike	Matrix Spike Duplicate	Relative Percent Difference (<20)	Acceptance Range (%)
Benzene	BDL	96	104	8 00	85-122
aaa-TFT Surrogate	112	113	112	0 89	85-120
Toluene	BDL	97	105	7 92	80-121
Ethyl Benzene	BDL	102	110	7.55	85-120
m,p-xylene	BDL	99	107	7.77	88-118
	BDL	101	109	7 62	85-119
o-xylene	86	92	91	1.09	82-115
BrFB Surrogate GRO (TPH)	BDL	N/A	N/A	N/A	70-130

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Compound	Lab Blank	Initial Calibration Check	Final Calibration Check	Acceptance Range (%)
Benzene	BDL	94	97	85-115
aaa-TFT Surrogate	111	112	113	85-115
Toluene	BDL	97	98	85-115
Ethyl Benzene	BDL	103	102	85-115
m,p-xylene	BDL	100	99	85-115
o-xylene	BDL	103	102	85-115
BrFB Surrogate	85	93	91	85-115
GRO (TPH)	BDL,	107	109	85-115

Narrative:

No problems were encountered with this sample set





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Quality Control Report for BTEX/GRO – EPA Method 8021 Date: 19 September 2006 WO Number: 200682-1911

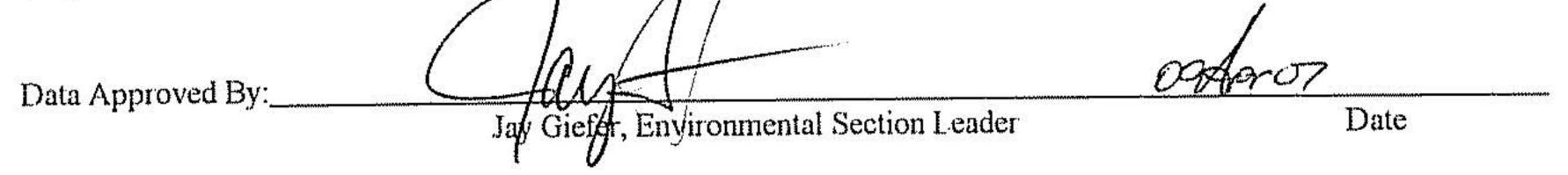
Samples: 06-A40532 through 06-A40537, 06-A40539 through 06-A40540

Matrix Spike Data QC Sample: 06-A40532					
Compound	Sample	Matrix Spike	Matrix Spike Duplicate	Relative Percent Difference (<20)	Acceptance Range (%)
Benzene	BDL	99	104	4.93	85-122
aaa-TFT Surrogate	112	114	114	0.00	85-120
Toluene	BDL.	100	105	4 88	80-121
Ethyl Benzene	BDL	104	110	5.61	85-120
m,p-xylene	BDL	101	106	4 83	88-118
o-xylene	BDL	103	108	4.74	85-119
BrFB Surrogate	84	91	90	1.10	82-115
GRO (TPH)	BDL	N/A	N/A	N/A	70-130

Compound	Lab Blank	Initial Calibration Check	Final Calibration Check	Acceptance Range (%)
Benzene	BDL	107	87	85-115
aaa-TFT Surrogate	111	111	108	85-115
Toluene	BDL.	109	94	85-115
Ethyl Benzene	BDL	115	100	85-115
m,p-xylene	BDL	112	97	85-115
o-xylene	BDL	115	101	85-115
BrFB Surrogate	86	92	92	85-115
GRO (TPH)	BDL	103	96	85-115

Narrative:

No problems were encountered with this sample set/





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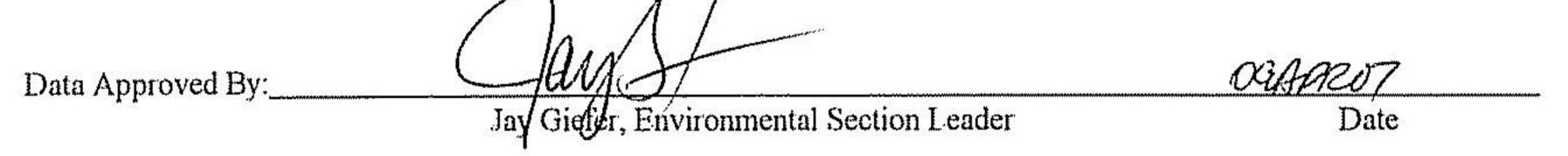
> Quality Control Report for BTEX/GRO – EPA Method 8021 Date: 21 September 2006 WO Number: 200682-1911 Samples: 06-A40538

Matrix Spike Data QC Sample: 06-A40538					
Compound	Sample	Matrix Spike	Matrix Spike Duplicate	Relative Percent Difference (<20)	Acceptance Range (%)
Benzene	BDL	97	101	4 04	85-122
aaa-TFT Surrogate	113	112	112	0 00	85-120
Toluene	BDL	99	102	2 99	80-121
Ethyl Benzene	BDL	104	107	2 84	85-120
m,p-xylene	BDL	101	104	2 93	88-118
o-xylene	BDL	103	107	.3.81	85-119
BrFB Surrogate	84	91	91	0.00	82-115
GRO (TPH)	BDL	N/A	N/A	N/A	70-130

Calibration Data					
Compound	Lab Blank	Initial Calibration Check	Final Calibration Check	Acceptance Range (%)	
Benzene	BDL	91	95	85-115	
aaa-TFT Surrogate	111	112	113	85-115	
Toluene	BDL	93	96	85-115	
Ethyl Benzene	BDL-	99	98	85-115	
m,p-xylene	BDL-	96	96	85-115	
o-xylene	BDL	99	98	85-115	
BrFB Surrogate	85	92	90	85-115	
GRO (TPH)	BDL	111	100	85-115	

Narrative:

No problems were encountered with this sample set? 1



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QUALITY CONTROL REPORT

 Work Order #:
 200682-1827

 Laboratory #:
 06-A39353 through A39355

 Date Reported:
 10 April 2007

Analyte	Blank Spike (ppb)	Recovered (ppb)	% Recovery	QC Blank Analyte Concentrations
Malathion	1.00	0.66	66*	ND
Prometon	1.00	0.74	74	ND
2,4-D	1.00	0.90	90	ND
Picloram	1.00	0.76	76	ND
Bromoxynil	1.00	0.14	14*	ND

Analyte	Matrix Spike (ppb)	Recovered (ppb)	% Recovery	QC Blank Analyte Concentrations
Malathion	1.00	0.72	72	ND
Prometon	1.00	0.76	76	ND
2,4-D	1.00	1.02	102	ND
Picloram	1.00	0.85	85	ND
Bromoxynil	1.00	0.27	27*	ND

ND = None Detected

* = Below Acceptable Limits

MVTL METHOD I.D.	REVISION	REFERENCE METHOD
P11523 (Malathion)	1.4	US EPA SW 846-3510, 8141, 8081
B15323 (Prometon)	1.8	US EPA SW 846-3510 and 8270C Mod.
T00523 (2,4-D, Picloram,	2	US EPA SW846-3510 and 8151A Mod.
and Bromoxynil)		

Quality control data reviewed and approved by Michael Wierima, Organics Section Leader By and for Minnesota Valley Testing Laboratories, Inc.

M. Wiend 10 Apron

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P.O. BOX 249 1126 N. FRONT STREET NEW ULM, MN 56073-0249 PHONE (507) 354-8517 WATS (800) 782-3557 FAX (507) 359-2890

QUALITY CONTROL REPORT

200682-1911 Work Order #: 06-A40524 through A40539 Laboratory #: 10 April 2007 **Date Reported:**

Analyte	Blank Spike (ppb)	Recovered (ppb)	% Recovery	QC Blank Analyte Concentrations
Malathion	1.00	0.87	87	ND
Prometon	1.00	0.56	56*	ND
2,4-D	1.00	0.90	90	ND
Picloram	1.00	0.89	89	ND
Bromoxynil	1.00	0.18	18*	ND

Analyte	Matrix Spike (ppb)	Recovered (ppb)	% Recovery	QC Blank Analyte Concentrations
Malathion	1.00	0.78	78	ND
Prometon	1.00	0.79	79	ND
2,4-D	1.00	1.08	108	ND
Picloram	1.00	0.97	97	ND
Bromoxynil	1.00	0.23	23*	ND

ND = None Detected

* = Below Acceptable Limits

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MVTL METHOD I.D.	REVISION	REFERENCE METHOD
P11523 (Malathion)	1.4	US EPA SW 846-3510, 8141, 8081
B15323 (Prometon)	1.8	US EPA SW 846-3510 and 8270C Mod.
T00523 (2,4-D, Picloram,	2	US EPA SW846-3510 and 8151A Mod.
and Bromoxynil)		

Quality control data reviewed and approved by Michael Wierima, Organics Section Leader By and for Minnesota Valley Testing Laboratories, Inc.

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	LABURALUNTES, 1411 South 12th Street Bismarck, ND 58504	Po Inc.			HAUED AREAS		
Toll Free: (80	(701) 258-(885 Fa	9724			WORK ORDER #	30	
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Billing Address	(indicate name and address / /	if different from above):	Ono Proj	te #: / Soft		Date Submitted: Purchase Order #:	
Use Use UJ3839 UJ3840	rour sample I.D. or Number [.D. or Number [.] / 200 [.] / 200 [.] 2/00 [.] 2/00 [.] 2/00 [.] 2/00 [.] 2/00 [.] 2/00	Description Tank Bottom Tank #3 Tank #3	Time Soil 01/01/99 01/01/99 11:45 a.m. 4/6/06 9/6/66 9/6/06 9/6/66 9/6/06	ii Water Food XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Other (Please Be Specific) Sampled Liquid Layer Not bottom sludge ////////////////////////////////////	Piclovace Piclovace	IVZE FOI: TKN, Iron, Calci Acetone, Shelf 1 アプログロ フィークログ レーム
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PI Toll Free: (800)	none: (701) 258-9 279-6885 Fa	9724		WORK ORDER #	82-1887
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	Your Sample I.D. or Number	Sample Description	Date Type of S Time Soil	f Sample (Matrix or Substance) Food Other (Please Be Specific)	Analyze For:
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is march No. 5	50.55	Name of Sampler:	1	For faxed report check box	
he and address if different from above):		Quote #:		Date Submitted: Q/J_2	
		Project Name/Nu	ne/Number:	Purchase Order #:	
amola Camola	Date	Type of Sample	le (Matrix or Substance)		
lumber Description	Time		Other (Please Be Specific)	- Analyze For:	
nple Tank Bottom Tank #3	01/01/99 11:45 a.m.		Sampled Liquid Layer Not bottom sludge	Vitamın A, TKN, Iron, Calcium BOD, COD, Acetone, Shelf Life	
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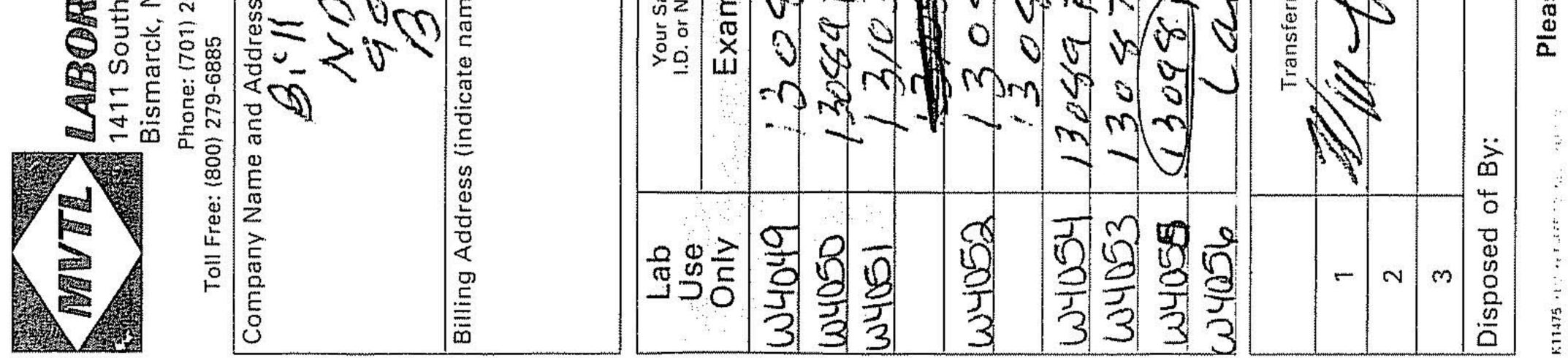
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Page	#	Phone #:	Fax #:	For faxed report check box	Date Submitted:	Purchase Order #:	- Analyze For;	Vitamin A, TKN, Iron, Calcium BOD, COD, Acetone, Shelf Life	921) (Pict. + 2, 410) (ma/a/lite	N - X-12	(ad) (Pic. + a, 4D) (Malayli	C) bome Yowe	() ()	1 2 4 (D'. 1 + 3 m) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Uice J	Comments: (Sample Condition)	(F)		
CUSTODY RECORD ot write in the shaded areas	WORK ORDER #	Account #:	Contact:	Name of Sampler:	Quote #:	Project Name/Number:	Type of Sample (Matrix or Substance) Soil Water Food Other (Please Re Sherific)	Sampled Liquid Lave Not bottom sludge			- 20,0% Mr NOW					 Received by: (Sar 	TWANDEr	Disposal Comments:	
Inc. CHAIN OF Please do N	258-9724		When a she	8504	if différent from above):		Sample Date Date Time	Ta	U/B OK V		JI	3112	212	1-Like Briller 40 9/12		Comments: (Sample Condition) Time	4/16		
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