Calibration Status Report SVOA-MS1

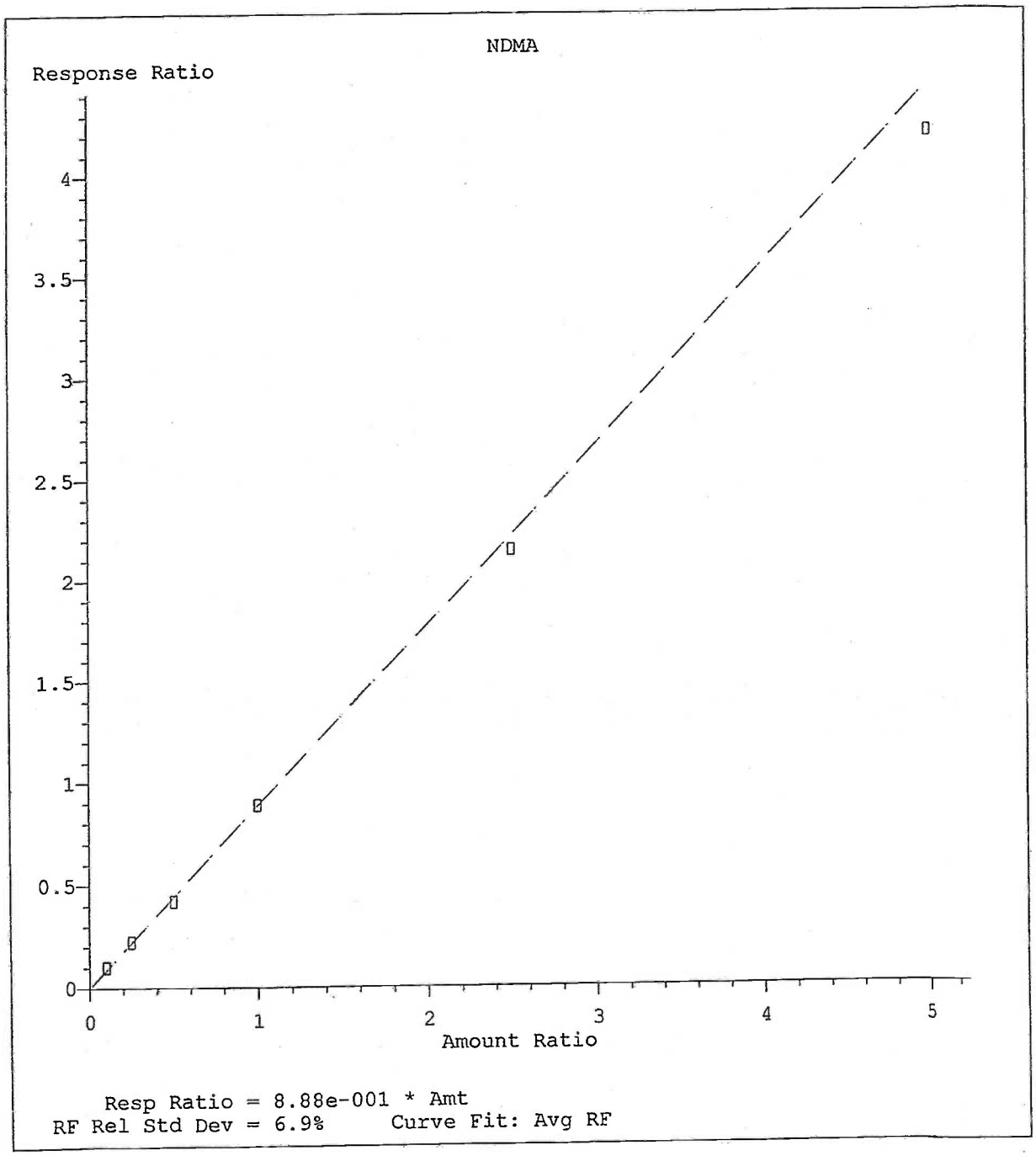
Method Path : C:\MSDCHEM\1\METHODS\
Method File : 1625_M_041311F2.M
Title :
Last Update : Wed May 05 16:21:01 2010
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	2	20	C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\20110413\cal1.D
2	2	5	20	C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08001.D
3	3	10	20	C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08002.D
4	4	20	20	C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08003.D
5	5	50	20	C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08004.D
6	6	100	20	C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08005.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 13 15:16 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
2	2	Apr 13 15:17 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
3	3	Apr 13 15:17 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
4	4	Apr 13 15:18 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
5	5	Apr 13 15:20 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
6	6	Apr 13 15:20 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm

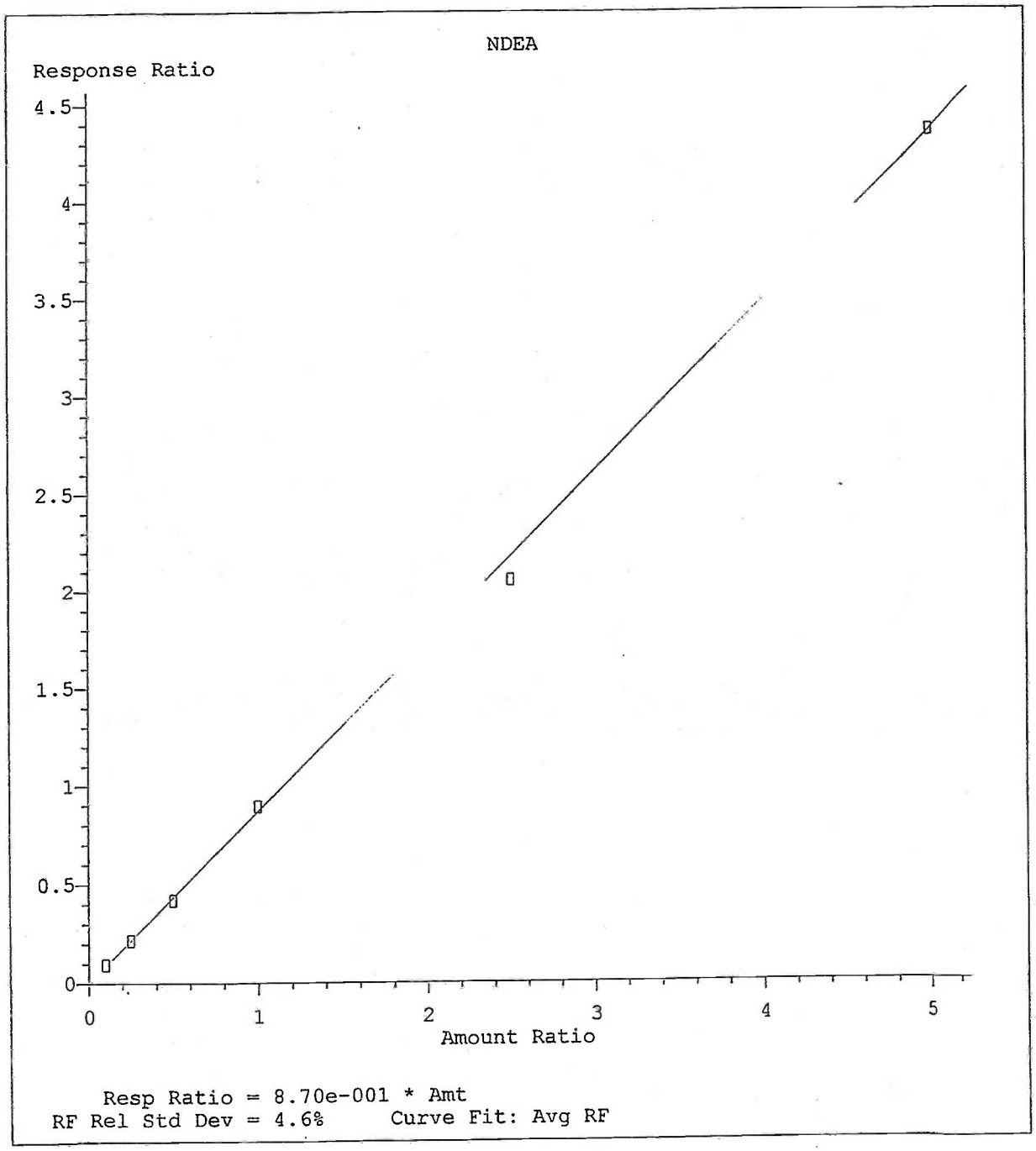
1625_M_041311F2.M Wed Oct 17 12:14:14 2012

ALAB : 00256



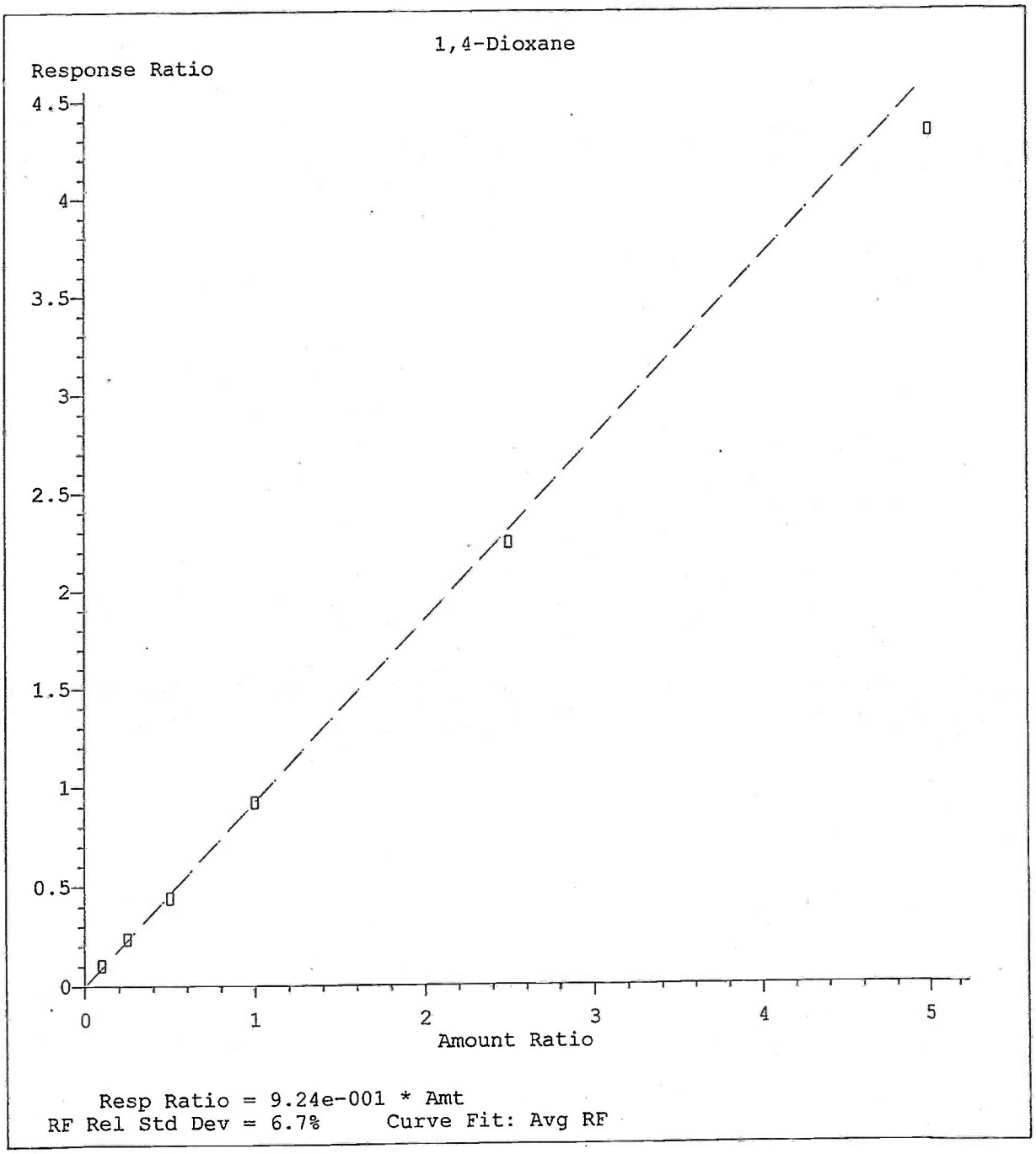
Method Name: C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Calibration Table Last Updated: Wed May 05 16:21:01 2010

ALAB : 00256



Method Name: C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Calibration Table Last Updated: Wed May 05 16:21:01 2010

ALAB : 00257



Method Name: C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Calibration Table Last Updated: Wed May 05 16:21:01 2010

ALAB : 00258

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\z2009_8270M_Data\20090108\
Data File : Jan08008.D
Acq On : 8 Jan 2009 9:19 pm
Operator : SD
Sample : 1625_ICV-Old_10ppm
Misc : w-5133, Spike=10, IS=20
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 09 11:25:24 2009
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_010809.M
Quant Title :
QLast Update : Fri Jan 09 10:23:29 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane d8	7.63	96	1878033	20.00 ug/L	0.00
3) NDMA-d6	9.34	80	2920326	20.00 ug/L	0.00
5) NDEA-d10	11.52	112	2501029	20.00 ug/L	0.00
Target Compounds					**Qvalue**
2) 1,4-Dioxane	7.68	88	843346	9.72 ug/L	100
4) NDMA	9.38	74	1289108	9.94 ug/L	99
6) NDEA	11.57	102	1132556	10.41 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

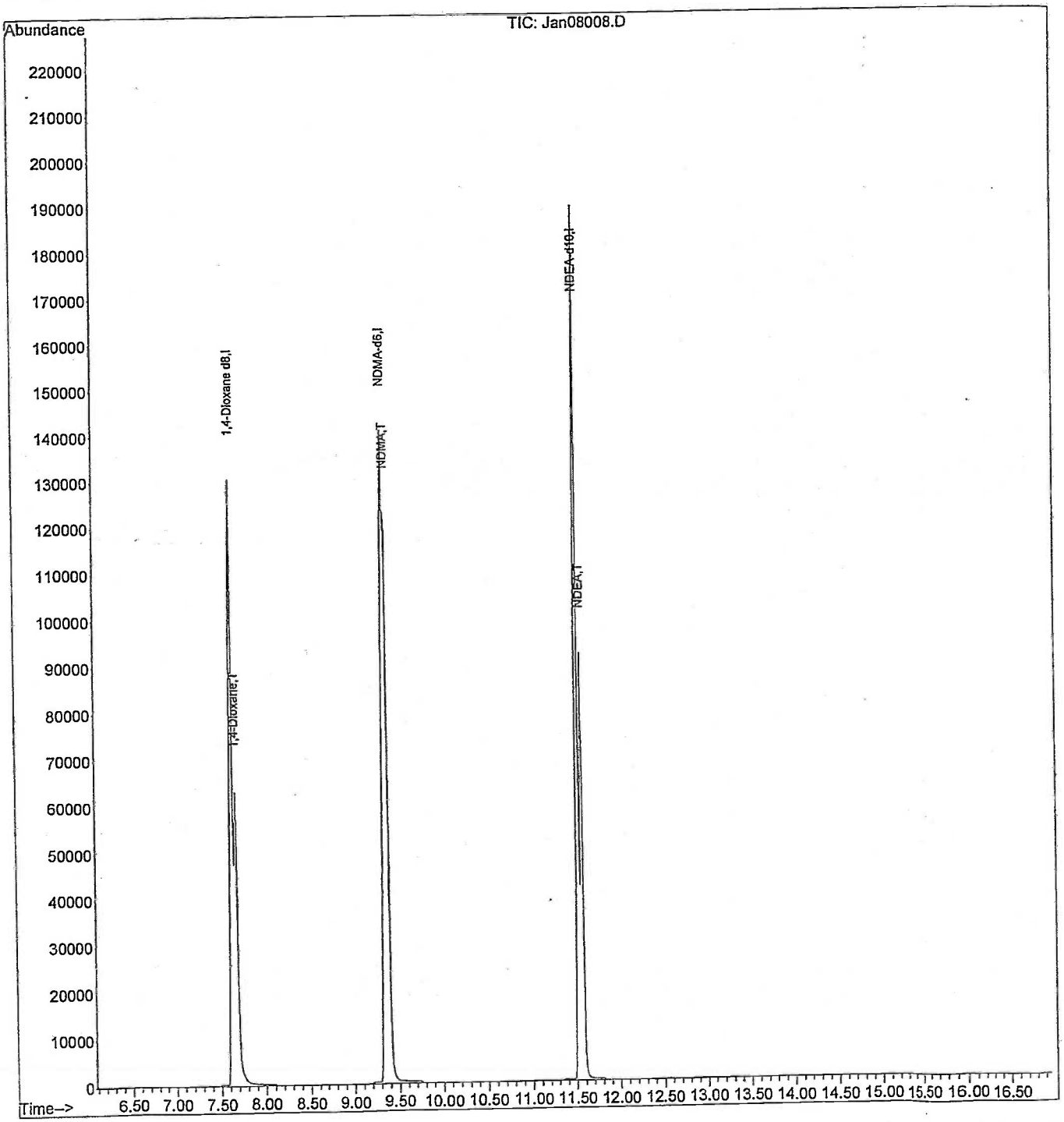
ALAB : 00259

CONFIDENTIAL LMC-PET-00001883

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\z2009_8270M_Data\20090108\
Data File : Jan08008.D
Acq On : 8 Jan 2009 9:19 pm
Operator : SD
Sample : 1625_ICV-Old_10ppm
Misc : w-5133, Spike=10, IS=20
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 09 11:25:24 2009
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_010809.M
Quant Title :
QLast Update : Fri Jan 09 10:23:29 2009
Response via : Initial Calibration



1625_M_041311F2.M Wed Oct 17 12:19:39 2012

ALAB : 00260

CONFIDENTIAL

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\z2011_8270M_Data\20110413\
Data File : Apr13-CCV1.D
Acq On : 13 Apr 2011 5:54 pm
Operator : QN
Sample : ICV@10ppb
Misc : w-5913
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 14 12:32:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title : 1ppm_method
QLast Update : Wed Apr 13 15:21:31 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane d8	7.53	96	1010029	20.00 ug/L	-0.04
3) NDMA-d6	9.25	80	1395845	20.00 ug/L	-0.04
5) NDEA-d10	11.44	112	1411218	20.00 ug/L	-0.03

Target Compounds					Qvalue
2) 1,4-Dioxane	7.58	88	462323	9.92 ug/L	92
4) NDMA	9.29	74	650596	10.19 ug/L #	79
6) NDEA	11.48	102	662698	10.48 ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

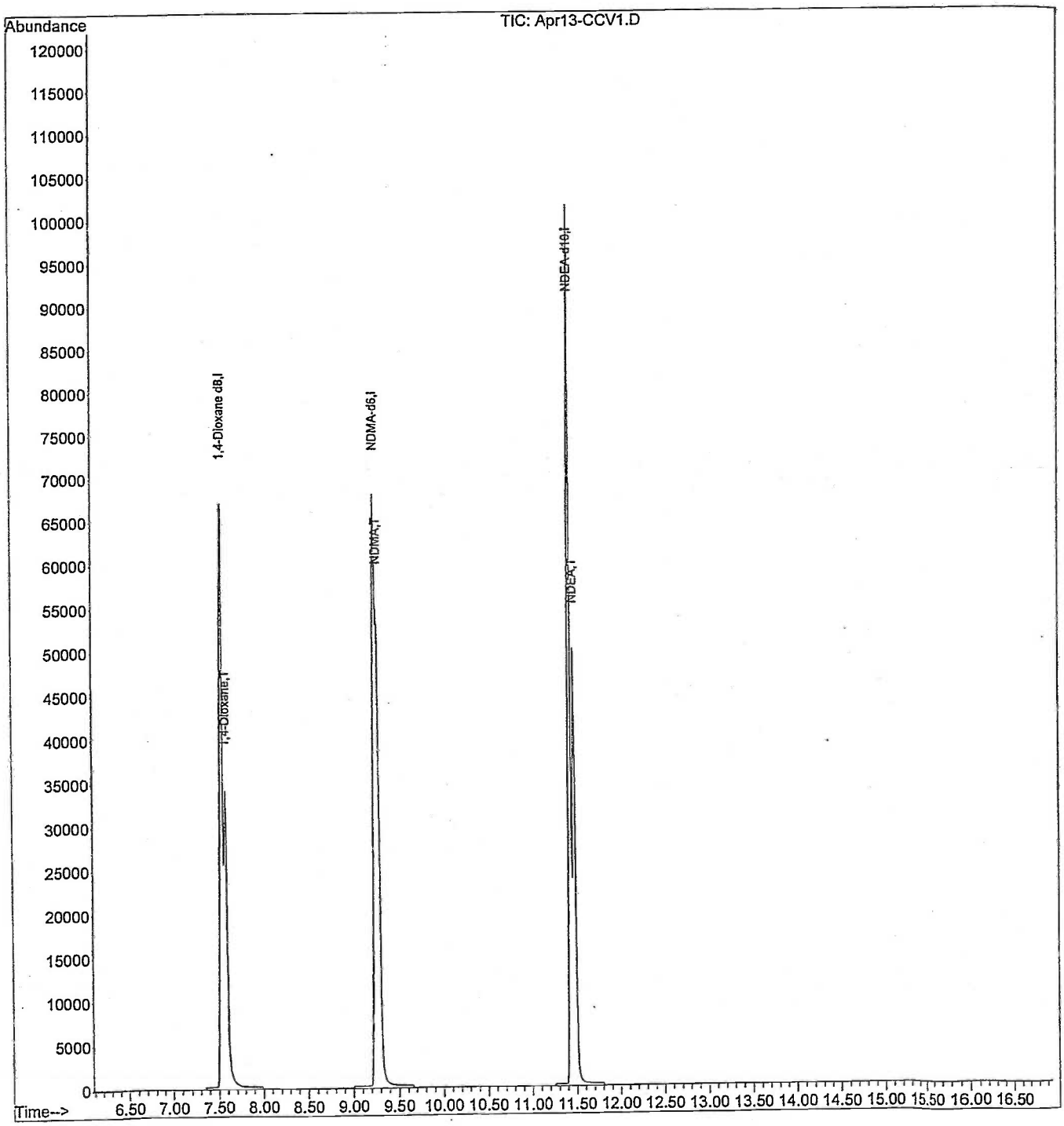
ALAB : 00261

CONFIDENTIAL LMC-PET-00001885

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\NDMA_1_4_Dioxane\z2011_8270M_Data\20110413\
Data File : Apr13-CCV1.D
Acq On : 13 Apr 2011 5:54 pm
Operator : QN
Sample : ICV@10ppb
Misc : w-5913
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 14 12:32:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title : 1ppm_method
QLast Update : Wed Apr 13 15:21:31 2011
Response via : Initial Calibration



ALAB : 00262

CONFIDENTIAL LMC-PET-00001886

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 FAX 714 538-1209

CLIENT: ARCADIS
ATTN: Leah Levy

LAB REQUEST: 312205

PROJECT: BOU Burbank

FULL DATAPACKAGE

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ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 FAX 714 538-1209

ARCADIS
BOU Burbank Project
ALAB # 312205
Level III Data Package

ALAB Project Manger: Danielle Roberts
ALAB Laboratory Director: Ed Behare PhD
ALAB Quality Control Manager: Hongling Cao

CONFIDENTIAL

Associated Laboratories
806 N. Batavia - Orange, CA 92868
Tel (714)771-6900 Fax (714)538-1209
www.associatedlabs.com
Info@associatedlabs.com

ACCREDITED IN ACCORDANCE WITH nelac
04232CA

Client:	ARCADIS	Lab Request:	312205
Address:	3750 Schaufele Ave., Suite 225 Long Beach, CA 90808	Report Date:	11/05/2012
		Date Received:	10/16/2012
Attn:	Leah Levy	Client ID:	14099

Comments: BOU Burbank
B0038189.0000.00001

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
312205-001	TB101612
312205-002	MW-8
312205-003	MW-8-DUP
312205-004	MW-5
312205-005	MW-5-DUP
312205-006	B-6-CW16
312205-007	EB101612 Equip Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Lab Director

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 45 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

ALAB : 00002

Matrix: Water	Client: ARCADIS		Collector: Client
Sampled: 10/16/2012 08:06	Site:		Notes:
Sample #: 312205-001	Client Sample #: TB101612		

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260 *NELAC*	Prep Method: EPA 5030B						QCBatchID: QC1130739	
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/19/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/19/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/19/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/19/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/19/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/19/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/19/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/19/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/19/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/19/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/19/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/19/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/19/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/19/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/19/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/19/12	nicollez	
Chloroform	ND	1	0.044	0.5	ug/L	10/19/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/19/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	Client: ARCADIS	Collector: Client	
Sampled: 10/16/2012 08:06	Site:	Notes:	
Sample #: 312205-001	Client Sample #: TB101612		

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/19/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/19/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/19/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/19/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/19/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/19/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/19/12	nicollez	
Tetrachloroethene	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/19/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	*112*	*70-145*	
4-Bromofluorobenzene (SUR)	*106*	*70-145*	
Dibromodifluoromethane (SUR)	*103*	*70-145*	
Toluene-d8 (SUR)	*102*	*70-145*	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	**Client:** ARCADIS	**Collector:** Client
Sampled: 10/16/2012 09:09	**Site:**	**Notes:**
Sample #: 312205-002	**Client Sample #:** MW-8	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	**Prep Method:** EPA 218.6						**QCBatchID:** QC1130646	
Hexavalent Chromium	**1.96**	1	0.1	1	ug/L	10/18/12	rybechay	
Method: EPA 300.0	**Prep Method:** Method						**QCBatchID:** QC1130744	
Nitrate, as Nitrogen	**15.9**	5	0.3	0.5	mg/L	10/17/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/17/12	wei	
Method: EPA 6010 *NELAC*	**Prep Method:** EPA 3010A/Filtered						**QCBatchID:** QC1130594	
Chromium	**0.006 J**	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 *NELAC*	**Prep Method:** EPA 5030B						**QCBatchID:** QC1130739	
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichlorotrifluoroethane	**4.4**	1	0.119	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethene	**3.1**	1	0.13	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichloropropane	**1.5**	1	0.073	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloroethane	**1.7**	1	0.066	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/20/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/20/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/20/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	nicollez	
Carbon Tetrachloride	2.6	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	nicollez	
Chloroform	2.3	1	0.044	0.5	ug/L	10/20/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	**Client:** ARCADIS		**Collector:** Client
Sampled: 10/16/2012 09:09	**Site:**		**Notes:**
Sample #: 312205-002	**Client Sample #:** MW-8		

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	nicollez	
Tetrachloroethene	73	1	0.15	0.5	ug/L	10/20/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Trichloroethene	57	1	0.078	0.5	ug/L	10/20/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	*110*	*70-145*	
4-Bromofluorobenzene (SUR)	*106*	*70-145*	
Dibromodifluoromethane (SUR)	*102*	*70-145*	
Toluene-d8 (SUR)	*76*	*70-145*	

Method: EPA 8270M **Prep Method:** EPA 3535 **QCBatchID:** QC1130645

1,4-Dioxane	8.8	1	0.12	1	ug/L	10/17/12	qnguyen	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	**Client:** ARCADIS	**Collector:** Client
Sampled: 10/16/2012 09:11	**Site:**	**Notes:**
Sample #: 312205-003	**Client Sample #:** MW-8-DUP	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8270M	**Prep Method:** EPA 3535						**QCBatchID:** QC1130645	
1,4-Dioxane	**8.7**	1	0.12	1	ug/L	10/17/12	qnguyen	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

CONFIDENTIAL LMC-PET-00001894

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/16/2012 11:50	Site:	Notes:
Sample #: 312205-004	Client Sample #: MW-5	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6						QCBatchID: QC1130646	
Hexavalent Chromium	2.68	1	0.1	1	ug/L	10/18/12	rybechay	
Method: EPA 300.0	Prep Method: Method						QCBatchID: QC1130744	
Nitrate, as Nitrogen	14.5	5	0.3	0.5	mg/L	10/17/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/17/12	wei	
Method: EPA 6010 *NELAC*	Prep Method: EPA 3010A/Filtered						QCBatchID: QC1130594	
Chromium	0.005 J	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 *NELAC*	Prep Method: EPA 5030B						QCBatchID: QC1130739	
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichlorotrifluoroethane	0.7	1	0.119	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethene	0.8	1	0.13	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichloropropane	0.8	1	0.073	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/20/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/20/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/20/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	nicollez	
Chloroform	1.8	1	0.044	0.5	ug/L	10/20/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	Client: ARCADIS		Collector: Client
Sampled: 10/16/2012 11:50	Site:		Notes:
Sample #: 312205-004	Client Sample #: MW-5		

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	nicollez	
Tetrachloroethene	62	1	0.15	0.5	ug/L	10/20/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Trichloroethene	15	1	0.078	0.5	ug/L	10/20/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	*111*	*70-145*	
4-Bromofluorobenzene (SUR)	*108*	*70-145*	
Dibromodifluoromethane (SUR)	*104*	*70-145*	
Toluene-d8 (SUR)	*101*	*70-145*	

Method: EPA 8270M Prep Method: EPA 3535 QCBatchID: QC1130645

1,4-Dioxane	0.58 J	1	0.12	1	ug/L	10/17/12	qnguyen	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	**Client:** ARCADIS	**Collector:** Client
Sampled: 10/16/2012 11:53	**Site:**	**Notes:**
Sample #: 312205-005	**Client Sample #:** MW-5-DUP	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 300.0	**Prep Method:** Method						**QCBatchID:** QC1130744	
Nitrate, as Nitrogen	14.3	5	0.3	0.5	mg/L	10/17/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/17/12	wei	
Method: EPA 6010 *NELAC*	**Prep Method:** EPA 3010A/Filtered						**QCBatchID:** QC1130594	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 *NELAC*	**Prep Method:** EPA 5030B						**QCBatchID:** QC1130898	
1,2,3-Trichloropropane	0.8	1	0.073	0.5	ug/L	10/25/12	liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	*110*	*70-145*	
4-Bromofluorobenzene (SUR)	*104*	*70-145*	
Dibromodifluoromethane (SUR)	*101*	*70-145*	
Toluene-d8 (SUR)	*100*	*70-145*	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/16/2012 13:08	Site:	Notes:
Sample #: 312205-006	Client Sample #: B-6-CW16	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	**Prep Method: EPA 218.6**						**QCBatchID: QC1130646**	
Hexavalent Chromium	ND	1	0.1	1	ug/L	10/18/12	rybechay	
Method: EPA 6010 *NELAC*	**Prep Method: EPA 3010A/Filtered**						**QCBatchID: QC1130594**	
Chromium	**0.004 J**	1	0.002	0.01	mg/L	10/17/12	nina	
Method: EPA 8260 *NELAC*	**Prep Method: EPA 5030B**						**QCBatchID: QC1130739**	
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichlorotrifluoroethane	**1.5**	1	0.119	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethene	**3.3**	1	0.13	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/20/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/20/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/20/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	nicollez	
Chloroform	**0.8**	1	0.044	0.5	ug/L	10/20/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	**Client:** ARCADIS		**Collector:** Client
Sampled: 10/16/2012 13:08	**Site:**		**Notes:**
Sample #: 312205-006	**Client Sample #:** B-6-CW16		

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	nicollez	
Tetrachloroethene	26	1	0.15	0.5	ug/L	10/20/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Trichloroethene	9.1	1	0.078	0.5	ug/L	10/20/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	*106*	*70-145*	
4-Bromofluorobenzene (SUR)	*114*	*70-145*	
Dibromodifluoromethane (SUR)	*104*	*70-145*	
Toluene-d8 (SUR)	*102*	*70-145*	

Method: EPA 8260M **Prep Method:** EPA 5030B **QCBatchID:** QC1130967

1,2,3-Trichloropropane	ND	1	0.005	0.005	ug/L	10/29/12	akk	

Analyte	% Recovery	Limits	Notes
Toluene-d8 (SUR)	*107*	*50-150*	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/16/2012 13:50	Site:	Notes:
Sample #: 312205-007	Client Sample #: EB101612 Equip Blank	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	**Prep Method: EPA 218.6**						**QCBatchID: QC1130646**	
Hexavalent Chromium	ND	1	0.1	1	ug/L	10/18/12	rybechay	
Method: EPA 300.0	**Prep Method: Method**						**QCBatchID: QC1130744**	
Nitrate, as Nitrogen	ND	1	0.06	0.1	mg/L	10/17/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/17/12	wei	
Method: EPA 6010 *NELAC*	**Prep Method: EPA 3010A/Filtered**						**QCBatchID: QC1130594**	
Chromium	ND	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 *NELAC*	**Prep Method: EPA 5030B**						**QCBatchID: QC1130739**	
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/19/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/19/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/19/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/19/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/19/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/19/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/19/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/19/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/19/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/19/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/19/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/19/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/19/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/19/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/19/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/19/12	nicollez	
Chloroform	ND	1	0.044	0.5	ug/L	10/19/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

Matrix: Water	**Client:** ARCADIS	**Collector:** Client	
Sampled: 10/16/2012 13:50	**Site:**	**Notes:**	
Sample #: 312205-007	**Client Sample #:** EB101612 Equip Blank		

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloromethane	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/19/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/19/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/19/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/19/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/19/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/19/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/19/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/19/12	nicollez	
Tetrachloroethene	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/19/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	*114*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromodifluoromethane (SUR)	*103*	*70-145*	
Toluene-d8 (SUR)	*100*	*70-145*	

Method: EPA 8260M **Prep Method:** EPA 5030B **QCBatchID:** QC1130967

1,2,3-Trichloropropane	ND	1	0.005	0.005	ug/L	10/29/12	akk	

Analyte	% Recovery	Limits	Notes
Toluene-d8 (SUR)	*108*	*50-150*	

Method: EPA 8270M **Prep Method:** EPA 3535 **QCBatchID:** QC1130645

1,4-Dioxane	ND	1	0.12	1	ug/L	10/17/12	qnguyen	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130594	Analyst: metha	Method: EPA 6010B
Matrix: Water	Analyzed: 10/17/2012	Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130594MB1					
Chromium	ND	mg/L	0.002	0.01	
Thallium	ND	mg/L	0.003	0.005	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130594LCS1											
Chromium	2		2.31		mg/L	116			80-120		
Thallium	2		2.26		mg/L	113			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130594MS1, QC1130594MSD1												**Source: 312205-002**
Chromium	0.006	1	1	1.12	1.10	mg/L	111	109	1.8	75-125	20	
Thallium	ND	1	1	1.02	1.01	mg/L	102	101	1.0	75-125	20	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130645	Analyst: qnguyen	Method: EPA 8270M
Matrix: Water	Analyzed: 10/16/2012	Instrument: SVOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130645MB1					
1,4-Dioxane	ND	ug/L	0.12	1	
N-nitrosodiethylamine (NDEA)	ND	ug/L	0.68	2	
N-Nitrosodimethylamine (NDMA)	ND	ug/L	0.29	2	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1130645LCS1, QC1130645LCSD1											
1,4-Dioxane	20	20	14	14	ug/L	70	70	0	65-135	35	
N-nitrosodiethylamine (NDEA)	20	20	14	15	ug/L	70	75	7	65-135	35	
N-Nitrosodimethylamine (NDMA)	20	20	14	15	ug/L	70	75	7	65-135	35	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130646	Analyst: rybechay	Method: EPA 218.6
Matrix: Water	Analyzed: 10/18/2012	Instrument: CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130646MB1					
Hexavalent Chromium	ND	ug/L	0.1	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130646LCS1											
Hexavalent Chromium	5		5.03		ug/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130646MS1, QC1130646MSD1												**Source: 312205-007**
Hexavalent Chromium	ND	2	2	2.27	2.27	ug/L	114	114	0.0	75-125	20	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130739	Analyst: nicollez	Method: EPA 8260B
Matrix: Water	Analyzed: 10/19/2012	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130739MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.122	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.063	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.063	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.045	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.119	0.5	
1,1-Dichloroethane	ND	ug/L	0.078	0.5	
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,1-Dichloropropene	ND	ug/L	0.06	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.06	0.5	
1,2,3-Trichloropropane	ND	ug/L	0.073	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.068	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.078	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.08	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.051	0.5	
1,2-Dichloroethane	ND	ug/L	0.066	0.5	
1,2-Dichloropropane	ND	ug/L	0.06	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.097	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.052	0.5	
1,3-Dichloropropane	ND	ug/L	0.68	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.12	0.5	
2,2-Dichloropropane	ND	ug/L	0.11	0.5	
2-Butanone (MEK)	ND	ug/L	0.3	5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	0.5	
2-Chlorotoluene	ND	ug/L	0.079	0.5	
4-Chlorotoluene	ND	ug/L	0.08	0.5	
4-Isopropyltoluene	ND	ug/L	0.091	0.5	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	0.16	5	
Acetone	ND	ug/L	0.2	10	
Allyl Chloride	ND	ug/L	0.08	0.5	
Benzene	ND	ug/L	0.071	0.5	
Bromobenzene	ND	ug/L	0.073	1	
Bromochloromethane	ND	ug/L	0.06	0.5	
Bromodichloromethane	ND	ug/L	0.06	0.5	
Bromoform	ND	ug/L	0.053	0.5	
Bromomethane	ND	ug/L	0.13	1	
Carbon Tetrachloride	ND	ug/L	0.045	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Chlorodibromomethane	ND	ug/L	0.045	0.5	
Chloroethane	ND	ug/L	0.4	0.5	
Chloroform	ND	ug/L	0.044	0.5	
Chloromethane	ND	ug/L	0.055	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.055	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.061	0.5	
cis-1,4-dichloro-2-butene	ND	ug/L	0.075	5	
Dibromomethane	ND	ug/L	0.06	0.5	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130739	Analyst: nicollez	Method: EPA 8260B
Matrix: Water	Analyzed: 10/19/2012	Instrument: VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130739MB1					
Dichlorodifluoromethane	ND	ug/L	0.062	0.5	
Di-isopropyl ether (DIPE)	ND	ug/L	0.17	0.5	
Ethylbenzene	ND	ug/L	0.091	0.5	
Ethyl-tertbutylether (ETBE)	ND	ug/L	0.25	0.5	
Hexachlorobutadiene	ND	ug/L	0.073	1	
Isopropylbenzene	ND	ug/L	0.089	0.5	
m and p-Xylene	ND	ug/L	0.17	0.5	
Methylene chloride	ND	ug/L	0.15	0.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.068	0.5	
Naphthalene	ND	ug/L	0.061	0.5	
N-butylbenzene	ND	ug/L	0.094	0.5	
N-propylbenzene	ND	ug/L	0.09	0.5	
o-Xylene	ND	ug/L	0.075	0.5	
Sec-butylbenzene	ND	ug/L	0.077	0.5	
Styrene	ND	ug/L	0.088	0.5	
t-Butyl alcohol (TBA)	ND	ug/L	5	5	
Tert-amylmethylether (TAME)	ND	ug/L	0.13	0.5	
Tert-butylbenzene	ND	ug/L	0.092	0.5	
Tetrachloroethene	ND	ug/L	0.15	0.5	
Toluene	ND	ug/L	0.078	0.5	
trans-1,2-dichloroethene	ND	ug/L	0.17	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.056	0.5	
trans-1,4-dichloro-2-butene	ND	ug/L	0.075	5	
Trichloroethene	ND	ug/L	0.078	0.5	
Trichlorofluoromethane	ND	ug/L	0.06	0.5	
Vinyl Chloride	ND	ug/L	0.08	0.5	
Xylenes (Total)	ND	ug/L	0.25	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130739LCS1											
1,1-Dichloroethene	25		24		ug/L	96			59-172		
Benzene	25		25		ug/L	100			62-137		
Chlorobenzene	25		26		ug/L	104			60-133		
Methyl-t-butyl Ether (MTBE)	25		24		ug/L	96			62-137		
Toluene	25		26		ug/L	104			59-139		
Trichloroethene	25		26		ug/L	104			66-142		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130739	Analyst: nicollez	Method: EPA 8260B
Matrix: Water	Analyzed: 10/19/2012	Instrument: VOA-MS (group)

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130739MS1, QC1130739MSD1												**Source: 312094-002**
1,1-Dichloroethene	ND	25	25	26	26	ug/L	104	104	0.0	59-172	22	
Benzene	ND	25	25	25	26	ug/L	100	104	3.9	62-137	24	
Chlorobenzene	ND	25	25	26	26	ug/L	104	104	0.0	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	25	25	27	26	ug/L	108	104	3.8	62-137	21	
Toluene	ND	25	25	26	26	ug/L	104	104	0.0	59-139	21	
Trichloroethene	ND	25	25	26	25	ug/L	104	100	3.9	66-142	21	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130744	Analyst: wei	Method: EPA 300.0
Matrix: Water	Analyzed: 10/17/2012	Instrument: CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130744MB1					
Chloride	ND	mg/L	0.1	1	
Nitrate, as Nitrogen	ND	mg/L	0.06	0.1	
Nitrate, as NO3	ND	mg/L	0.08	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.12	0.33	
Sulfate	ND	mg/L	0.12	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130744LCS1											
Chloride	40		40.0		mg/L	100			90-110		
Nitrate, as Nitrogen	4.5		4.50		mg/L	100			90-110		
Nitrate, as NO3	20		20.0		mg/L	100			90-110		
Nitrite, as Nitrogen	3.1		2.90		mg/L	94			90-110		
Nitrite, as NO2	10		9.53		mg/L	95			90-110		
Sulfate	40		38.4		mg/L	96			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130744MS1												Source: 312221-002
Chloride	154	200		353		mg/L	100			75-125		
Fluoride	0.22	40		36.0		mg/L	89			75-125		
Nitrate, as Nitrogen	ND	22.6		21.5		mg/L	95			75-125		
Nitrate, as NO3	ND	100		95.4		mg/L	95			75-125		
Nitrite, as Nitrogen	0.03	30.5		28.9		mg/L	95			75-125		
Nitrite, as NO2	ND	100		94.8		mg/L	95			75-125		
Sulfate	24.9	200		196		mg/L	86			75-125		
QC1130744MS2												Source: 312221-003
Chloride	154	200		356		mg/L	101			75-125		
Fluoride	0.15	40		36.4		mg/L	91			75-125		
Nitrate, as Nitrogen	ND	22.6		22.0		mg/L	97			75-125		
Nitrate, as NO3	ND	100		97.4		mg/L	97			75-125		
Nitrite, as Nitrogen	ND	30.5		29.6		mg/L	97			75-125		
Nitrite, as NO2	ND	100		97.2		mg/L	97			75-125		
Sulfate	24.5	200		210		mg/L	93			75-125		

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130898	Analyst: lucy	Method: EPA 8260B
Matrix: Water	Analyzed: 10/25/2012	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130898MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.25	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.38	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.25	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.29	10	
1,1-Dichloroethane	ND	ug/L	0.32	0.5	
1,1-Dichloroethene	ND	ug/L	0.3	0.5	
1,1-Dichloropropene	ND	ug/L	0.25	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.28	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.27	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.28	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.12	0.5	
1,2-Dibromoethane	ND	ug/L	0.19	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.26	0.5	
1,2-Dichloroethane	ND	ug/L	0.2	0.5	
1,2-Dichloropropane	ND	ug/L	0.36	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.24	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.34	0.5	
1,3-Dichloropropane	ND	ug/L	0.19	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.43	0.5	
2,2-Dichloropropane	ND	ug/L	0.32	0.5	
2-Butanone (MEK)	ND	ug/L	0.3	5	
2-Chlorotoluene	ND	ug/L	0.33	0.5	
4-Chlorotoluene	ND	ug/L	0.31	0.5	
4-Isopropyltoluene	ND	ug/L	0.32	0.5	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	0.2	5	
Acetone	ND	ug/L	0.2	5	
Benzene	ND	ug/L	0.18	0.5	
Bromobenzene	ND	ug/L	0.53	0.5	
Bromochloromethane	ND	ug/L	0.17	0.5	
Bromodichloromethane	ND	ug/L	0.31	0.5	
Bromoform	ND	ug/L	0.13	0.5	
Bromomethane	ND	ug/L	0.68	0.5	
Carbon Tetrachloride	ND	ug/L	0.27	0.5	
Chlorobenzene	ND	ug/L	0.19	0.5	
Chlorodibromomethane	ND	ug/L	0.21	0.5	
Chloroethane	ND	ug/L	0.45	0.5	
Chloroform	ND	ug/L	0.18	0.5	
Chloromethane	ND	ug/L	0.27	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.27	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.25	0.5	
Dibromomethane	ND	ug/L	0.23	0.5	
Dichlorodifluoromethane	ND	ug/L	0.33	0.5	
Ethylbenzene	ND	ug/L	0.21	0.5	
Hexachlorobutadiene	ND	ug/L	0.51	0.5	
Isopropylbenzene	ND	ug/L	0.24	0.5	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130898	Analyst: lucy	Method: EPA 8260B
Matrix: Water	Analyzed: 10/25/2012	Instrument: VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130898MB1					
m and p-Xylene	ND	ug/L	0.45	0.5	
Methylene chloride	ND	ug/L	0.16	0.5	
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.19	3	
Naphthalene	ND	ug/L	0.25	0.5	
N-butylbenzene	ND	ug/L	0.25	0.5	
N-propylbenzene	ND	ug/L	0.31	0.5	
o-Xylene	ND	ug/L	0.29	0.5	
Sec-butylbenzene	ND	ug/L	0.32	0.5	
Styrene	ND	ug/L	0.22	0.5	
Tert-butylbenzene	ND	ug/L	0.4	0.5	
Tetrachloroethene	ND	ug/L	0.18	0.5	
Toluene	ND	ug/L	0.24	0.5	
trans-1,2-dichloroethene	ND	ug/L	0.33	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.23	0.5	
Trichloroethene	ND	ug/L	0.39	0.5	
Trichlorofluoromethane	ND	ug/L	0.25	5	
Vinyl Chloride	ND	ug/L	0.18	0.5	
Xylenes (Total)	ND	ug/L	0.45	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130898LCS1											
1,1-Dichloroethene	25		28		ug/L	112			59-172		
Benzene	25		26		ug/L	104			62-137		
Chlorobenzene	25		26		ug/L	104			60-133		
Methyl-t-butyl Ether (MTBE)	25		24		ug/L	96			62-137		
Toluene	25		26		ug/L	104			59-139		
Trichloroethene	25		26		ug/L	104			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1130898MS1, QC1130898MSD1												Source: 312380-017
1,1-Dichloroethene	ND	25	25	30	30	ug/L	120	120	0.0	59-172	22	
Benzene	ND	25	25	28	28	ug/L	112	112	0.0	62-137	24	
Chlorobenzene	ND	25	25	27	27	ug/L	108	108	0.0	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	25	25	26	27	ug/L	104	108	3.8	62-137	21	
Toluene	ND	25	25	27	26	ug/L	108	104	3.8	59-139	21	
Trichloroethene	ND	25	25	27	26	ug/L	108	104	3.8	66-142	21	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES QC SUMMARY FOR LAB REQUEST #312205

QCBatchID: QC1130967	Analyst: akk	Method: EPA 8260M
Matrix: Water	Analyzed: 10/30/2012	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1130967MB1					
1,2,3-Trichloropropane	ND	ug/L	0.005	0.005	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1130967LCS1, QC1130967LCSD1											
1,2,3-Trichloropropane	0.02	0.02	0.017	0.019	ug/L	85	95	11	50-150	30	

ND = Not Detected or < MDL MDL = Method Detection Limit . RDL = Reporting Detection Limit DF = Dilution Factor

Notes and Definitions

B	Analyte was present in an associated method blank. Associated sample data was reported with qualifier.
C	Laboratory Contamination.
D	The sample duplicate RPD was not within control limits, the sample data was reported without further clarification.
DF	Dilution Factor
DW	Sample result is calculated on a dry weigh basis
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
MDL	Method Detection Limit
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
ND	Analyte was not detected or was less than the detection limit.
P	Sample was received without proper preservation according to EPA guidelines.
RDL	Reporting Detection Limit
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
T	Sample was extracted/analyzed past the holding time.

ASSOCIATED LABORATORIES

NARRATIVE

Date: November 7, 2012

Narrative for Lab Request LR: 312205

Client Project Identification:

Client Name: ARCADIS
Project: BOU Burbank

This narrative includes all samples as shown on the attached Lab Request final report.

Data Validation:

Holding Times
Samples were received on October 16th, 2012 intact and at a temperature of 6.0°C. All EPA recommended holding times were met for this project.

Calibration
Initial calibration criteria were met. Initial and Continuing Calibration Check samples were run at the required frequency. All results were within required limits.

Quality Control Samples
All QC results were within control limits.

Other Anomalies or Comments

1,2,3 – TCP for the Samples (ID# MW-8, MW-5 and MW-5-DUP) was analyzed and reported by regular EPA 8260B.

Estimated concentrations ("J" Flags) were reported on all samples and method blanks. The following samples have reported "J" flags:

Metals: MW-8 MW-5 B-6-CW16

1,4–Dioxane: MW-5

ASSOCIATED LABORATORIES
806 North Batavia • Orange, CA 92868
Phone: (714) 771-6900 • Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 312205
Page 1 of 1

REQUIRED TURN AROUND TIME: Standard: X
72 Hours: ____ 48 Hours: ____ 24 Hours: ____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	ARCADIS	PROJECT NAME:	BOU BURBANK
SEND REPORT TO:	ERIK GASIER	NUMBER:	B00 38189.0000.00001
EMAIL:		ADDRESS:	
ADDRESS:	ONFILE		Burbank, CA
		P.O. #:	
PHONE:		SAMPLED BY:	

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	VOCs 8260	1,2,3 TCP	Total Cr (Filtered)	Hex Cr	Nitrate/Nitrite	TDS	General Minerals	1,4 Dioxane	Thallium (Filtered)	TDS	Test Instructions & Comments
1	TB101612	10-16-12	0806	W	2 VOA	HCl	X		~~1~~ HA				~~X~~ HA				
2	MW-8	10-16-12	0909	W	11 G/P	~~YES~~ NO	X	X	X	X	X			X	X		24hr TAT
3	MW-8-DUP	10-16-12	0911	W	1 - ~~HA~~	~~None~~ NONE								X			
4	MW-5	10-16-12	1150	W	11 G/P	~~YES~~ NO	X	X	X	X	X			X	X		24hr TAT
5	MW-5-DUP	10-16-12	1153	W	5 G/P	~~YES~~ NO		X			X				X		24hr TAT
6	~~B-6-CW16~~	~~10-16-12~~		~~W~~	~~11 G/P~~	~~YES NO~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			~~X~~			~~HA~~
7	B-6-CW16	10-16-12	1308	W	8 G/P	~~YES~~ NO	X	X	X	X							
8	EB101612 EQUIP BLANK	10-16-12	1350	W	11 G/P	~~YES~~ NO	X	X	X	X	X			X	X		24hr TAT
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Howard Armstrong					
Signature:	Signature: M. Eckel	Signature:	Signature:	Signature:	Signature:
Printed Name: Howard Armstrong	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 10-16-12 Time: 15:26	Date: 10/16/12 Time: 15:26	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ALAB : 806621

LMC-PET-00001914

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ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Arcadis
Date Received: 10-16-12
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:
Project:
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 6.1°C

(Acceptance range is 0 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?		X	
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?	X		
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: M. Eckert Date: 10/16/12

Created on 7/6/2012 1:29:00 PM

ALAB : 00025

EPA 218.6

Hexavalent Chromium

ALAB : 00026

Sequence: 2012_1018
Last Update Operator: rybechay

UV_VIS_1	Name	Type	Level	Position	Volume [µl]	Instrument Method	Processing Method	Status	Inject Time
	MB	Unknown		1	5000	AS7	AS7	Finished	10/18/2012 8:30:18 AM -07:
	MB	Unknown		2	5000	AS7	AS7	Finished	10/18/2012 8:42:48 AM -07:
	MB	Unknown		3	5000	AS7	AS7	Finished	10/18/2012 8:55:45 AM -07:
	STD1 0.5ppb	Calibration Stan	01	4	5000	AS7	AS7	Finished	10/18/2012 9:08:41 AM -07:
	STD2 2.5ppb	Calibration Stan	02	5	5000	AS7	AS7	Finished	10/18/2012 9:21:38 AM -07:
	STD3 5.0ppb	Calibration Stan	03	6	5000	AS7	AS7	Finished	10/18/2012 9:34:34 AM -07:
	STD4 7.5ppb	Calibration Stan	04	7	5000	AS7	AS7	Finished	10/18/2012 9:47:31 AM -07:
	STD5 10.0ppb	Calibration Stan	05	8	5000	AS7	AS7	Finished	10/18/2012 10:00:26 AM -07
	MB	Unknown		10	5000	AS7	AS7	Finished	10/18/2012 10:33:08 AM -07
	lcv 2.5ppb	Unknown		11	5000	AS7	AS7	Finished	10/18/2012 10:46:04 AM -07
	lcs 5.0ppb	Unknown		12	5000	AS7	AS7	Finished	10/18/2012 10:59:01 AM -07
	312159-003/3	Unknown		15	5000	AS7	AS7	Finished	10/18/2012 11:21:36 AM -07
	312159-004/2	Unknown		16	5000	AS7	AS7	Finished	10/18/2012 11:34:32 AM -07
	312159-005/1	Unknown		17	5000	AS7	AS7	Finished	10/18/2012 11:47:29 AM -07
	312159-006/3	Unknown		18	5000	AS7	AS7	Finished	10/18/2012 12:00:26 PM -07
	312205-002/1	Unknown		19	5000	AS7	AS7	Finished	10/18/2012 12:13:22 PM -07
	312205-004/9	Unknown		20	5000	AS7	AS7	Finished	10/18/2012 12:26:19 PM -07
	312205-006/1	Unknown		21	5000	AS7	AS7	Finished	10/18/2012 12:39:16 PM -07
	312205-007/10	Unknown		22	5000	AS7	AS7	Finished	10/18/2012 12:52:13 PM -07
	312205-007ms	Unknown		23	5000	AS7	AS7	Finished	10/18/2012 1:05:09 PM -07:
	312205-007ms	Unknown		24	5000	AS7	AS7	Finished	10/18/2012 1:18:05 PM -07:
	ccv 2.5ppb	Unknown		25	5000	AS7	AS7	Finished	10/18/2012 1:31:02 PM -07:
	ccb	Unknown		26	5000	AS7	AS7	Finished	10/18/2012 1:43:58 PM -07:

Note: I moved sometime the retention time for VIS to cover the peak, so it can be read because sometimes the peak amount can't be read so, that's why the word manipulated comes out

Raul 11/8/12

Chromeleon 7,
Version 7.1.1.1127, Dionex Corporation

Printed by rybechay
07/11/12 11:28

LMC-PET-00001917
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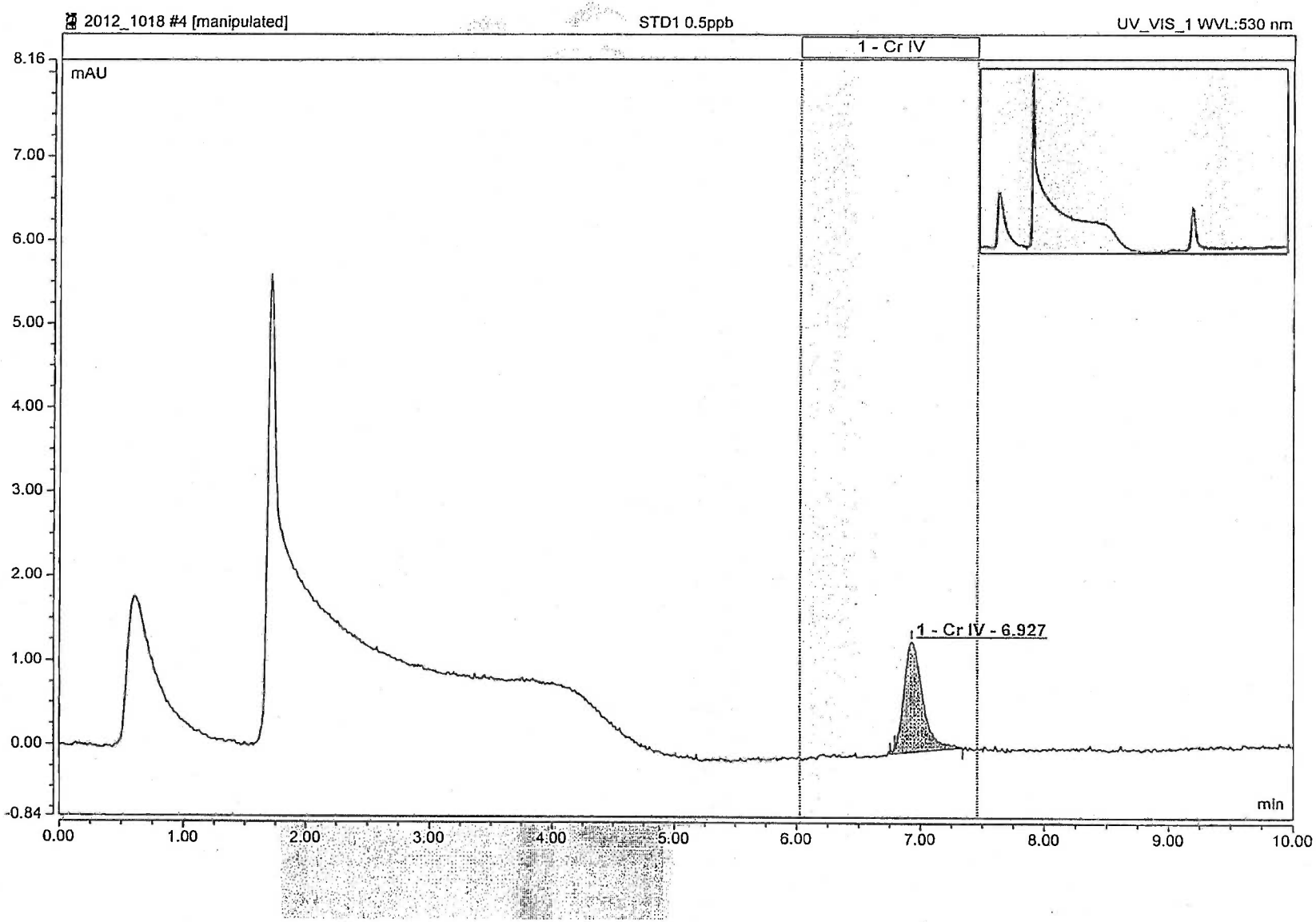
Sequence: 2012_1018
Last Update Operator: rybechay

Lock Status	Weight	Dilution	IntStd	Replicate ID	Comment	Spike Group
	1.0000	1.0000	1.0000		Arcadis	
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			cs101812-6cr6
	1.0000	1.0000	1.0000			cs101812-5cr6
	1.0000	1.0000	1.0000			cs101812-4cr6
	1.0000	1.0000	1.0000			cs101812-3cr6
	1.0000	1.0000	1.0000			cs101812-2cr6
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			icv101812cr6+
	1.0000	1.0000	1.0000			ics101812cr6+
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			
	1.0000	1.0000	1.0000			cs101812-5cr6
	1.0000	1.0000	1.0000			

ALAR: 00028
LMC-PET-00001918
CONFIDENTIAL

Sequence: 2012_1018
Injection #4: STD1 0.5ppb

Chromatogram



Chromeleon 7,
Version 7.1.1.1127, Dionex Corporation

Printed by rybechay
07/11/12 11:34

LMC-PET-00001919
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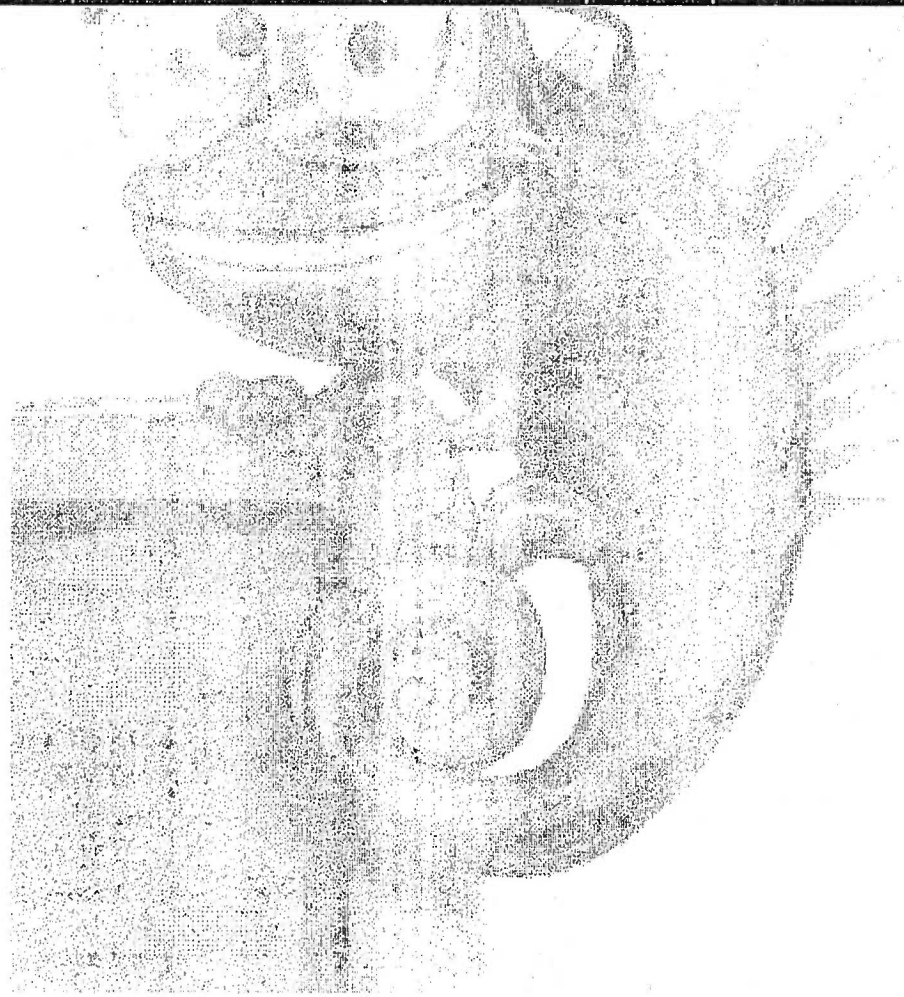
Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.927	0.5092	100.00	0.2288	1.31	BMB*	0.152	1.43	n.a.	11460
Maximum			0.5092	100.00	0.2288	1.31		0.152	1.43	0.00	11460
Minimum			0.5092	100.00	0.2288	1.31		0.152	1.43	0.00	11460
Sum			0.5092	100.00	0.2288	1.31					

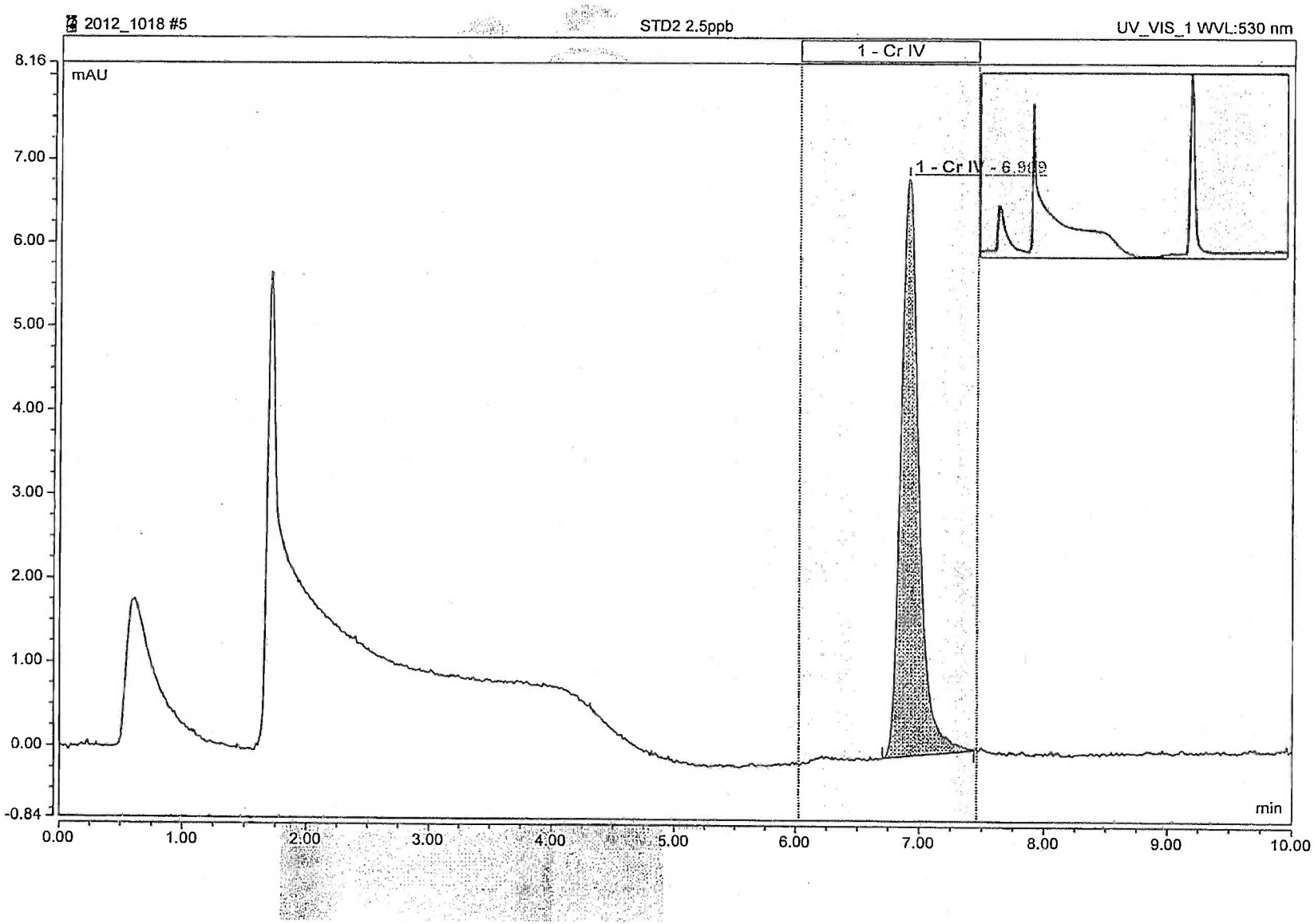


LMC-PET-00001920

CONFIDENTIAL

Sequence: 2012_1018
Injection #5: STD2 2.5ppb

Chromatogram



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07/11/12 11:34

LMC-PET-00001921
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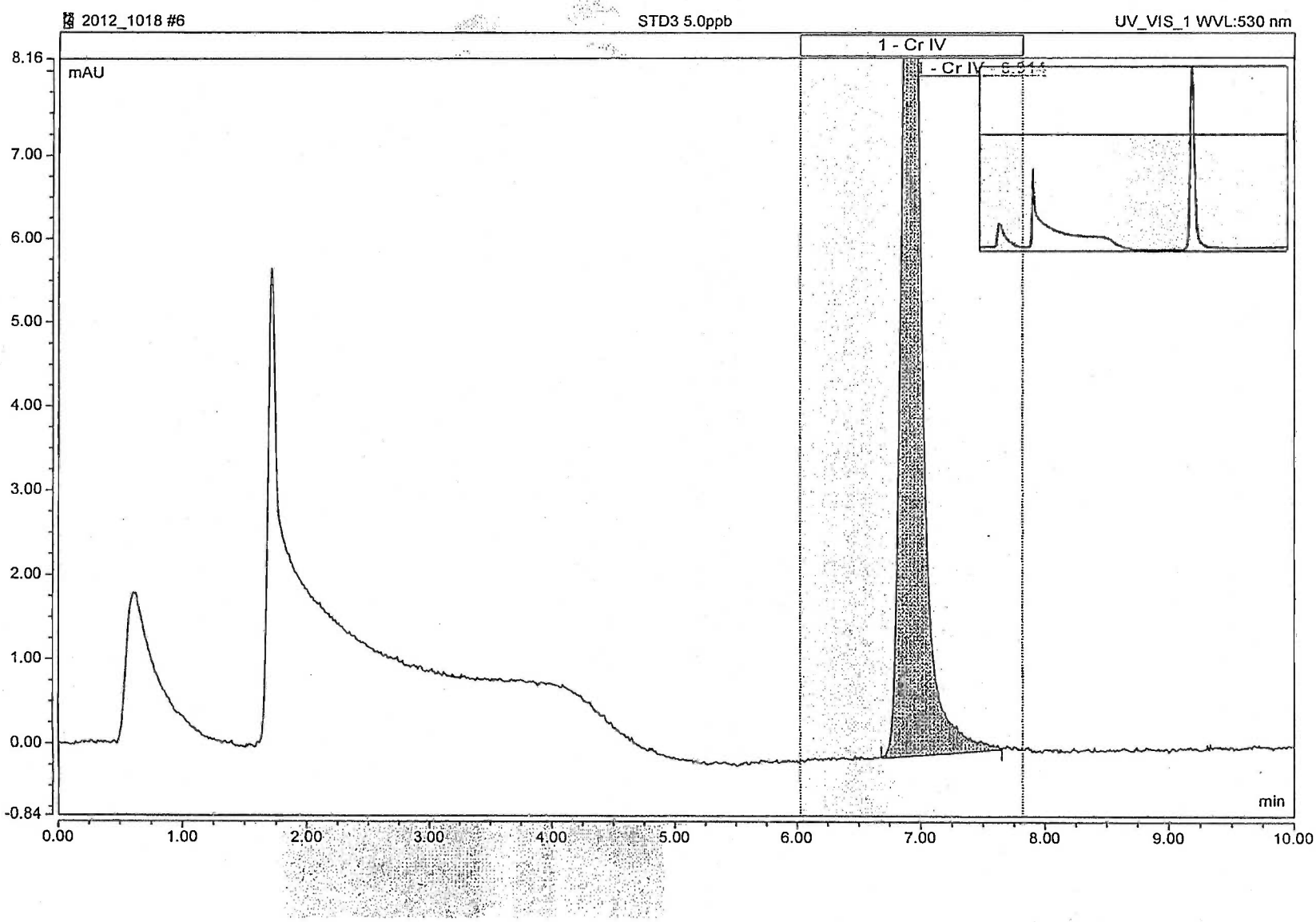
Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.909	2.5408	100.00	1.1417	6.86	M	0.147	1.33	n.a	12256
Maximum			2.5408	100.00	1.1417	6.86		0.147	1.33	0.00	12256
Minimum			2.5408	100.00	1.1417	6.86		0.147	1.33	0.00	12256
Sum			2.5408	100.00	1.1417	6.86					

LMC-PET-00001922

CONFIDENTIAL

Sequence: 2012_1018
Injection #6: STD3 5.0ppb

Chromatogram



Chromeleon 7,
Version 7.1.1.1127, Dionex Corporation

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07/11/12 11:35

ALAB : 00033
LMC-PET-00001923
CONFIDENTIAL

Sequence: 2012_1018
Injection #6: STD3 5.0ppb

Peak Results

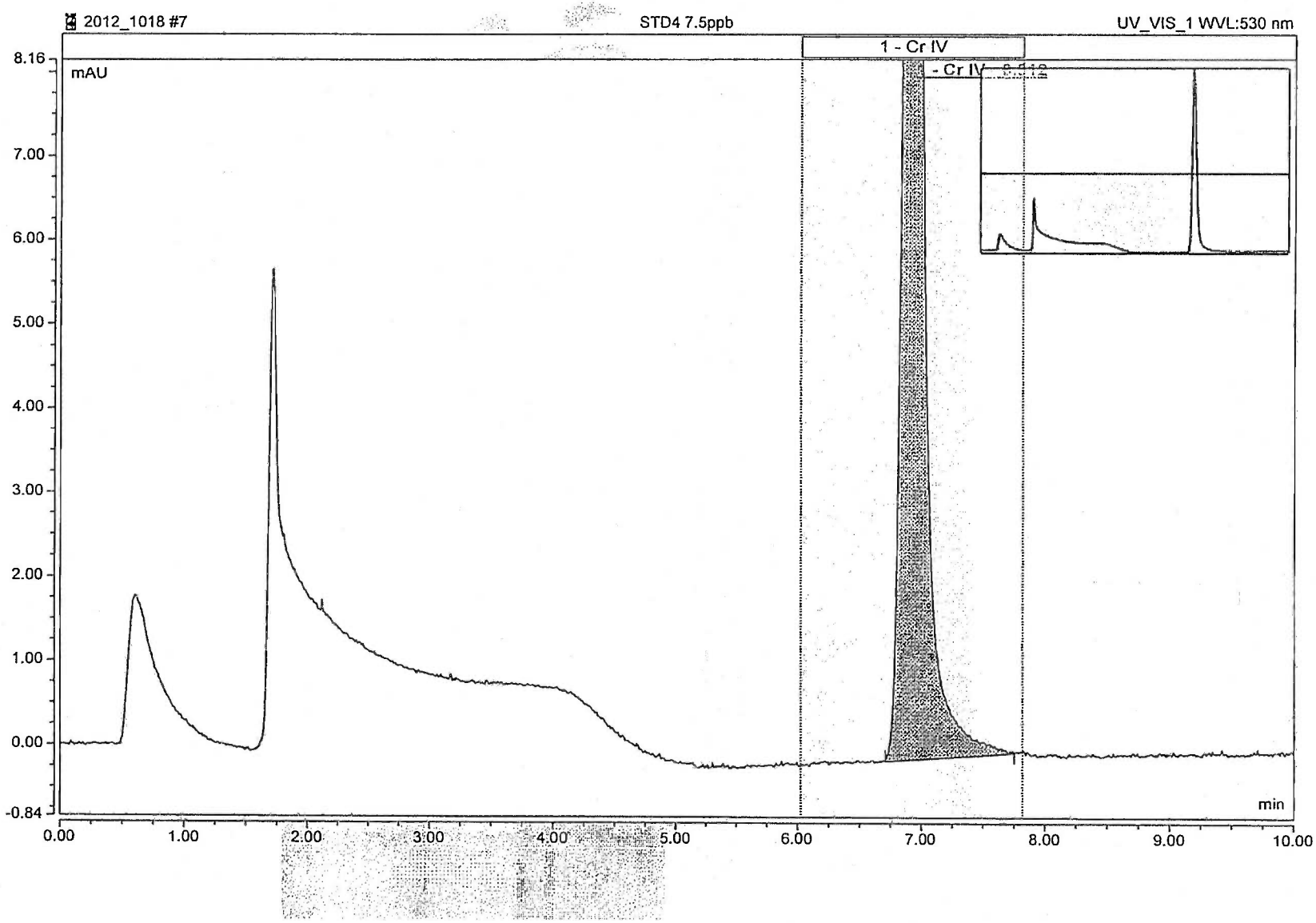
Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.914	4.9634	100.00	2.2303	13.09	M	0.147	1.36	n.a.	12230
Maximum			4.9634	100.00	2.2303	13.09		0.147	1.36	0.00	12230
Minimum			4.9634	100.00	2.2303	13.09		0.147	1.36	0.00	12230
Sum			4.9634	100.00	2.2303	13.09					

LMC-PET-00001924

CONFIDENTIAL

Sequence: 2012_1018
Injection #7: STD4 7.5ppb

Chromatogram



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Version 7.1.1.1127, Dionex Corporation

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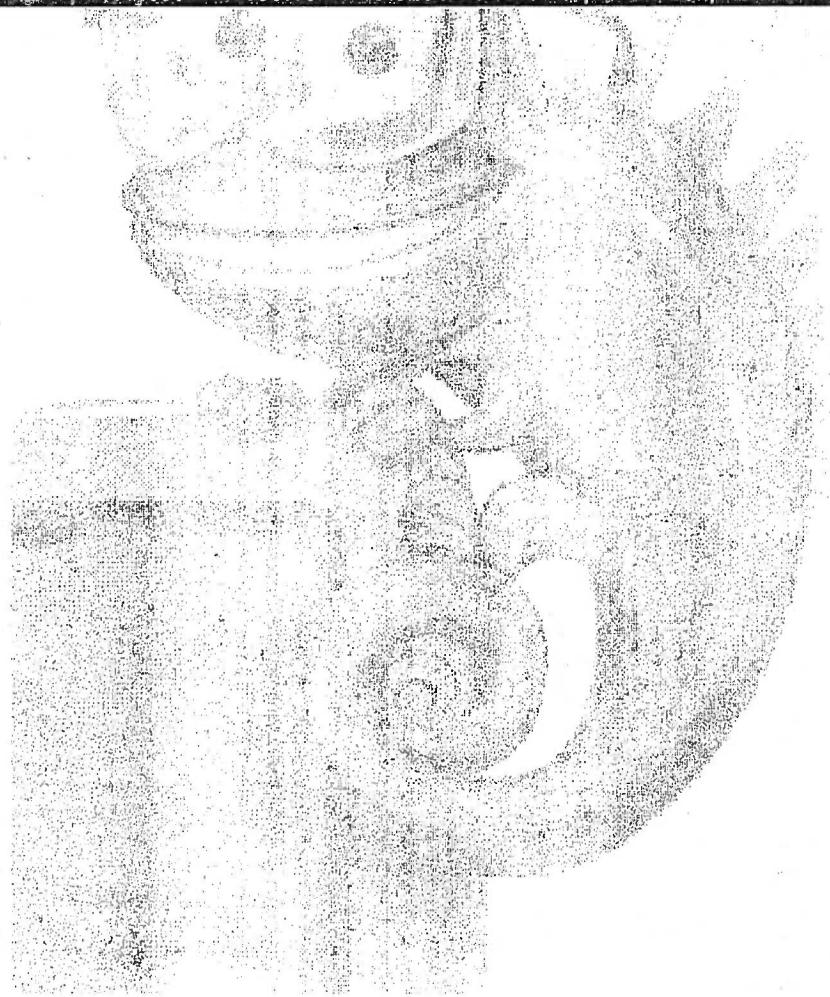
07/11/12 11:36

ALAB : 00035
LMC-PET-00001925
CONFIDENTIAL

Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.912	7.4097	100.00	3.3295	19.47	M	0.147	1.38	n.a.	12241
Maximum			7.4097	100.00	3.3295	19.47		0.147	1.38	0.00	12241
Minimum			7.4097	100.00	3.3295	19.47		0.147	1.38	0.00	12241
Sum			7.4097	100.00	3.3295	19.47					

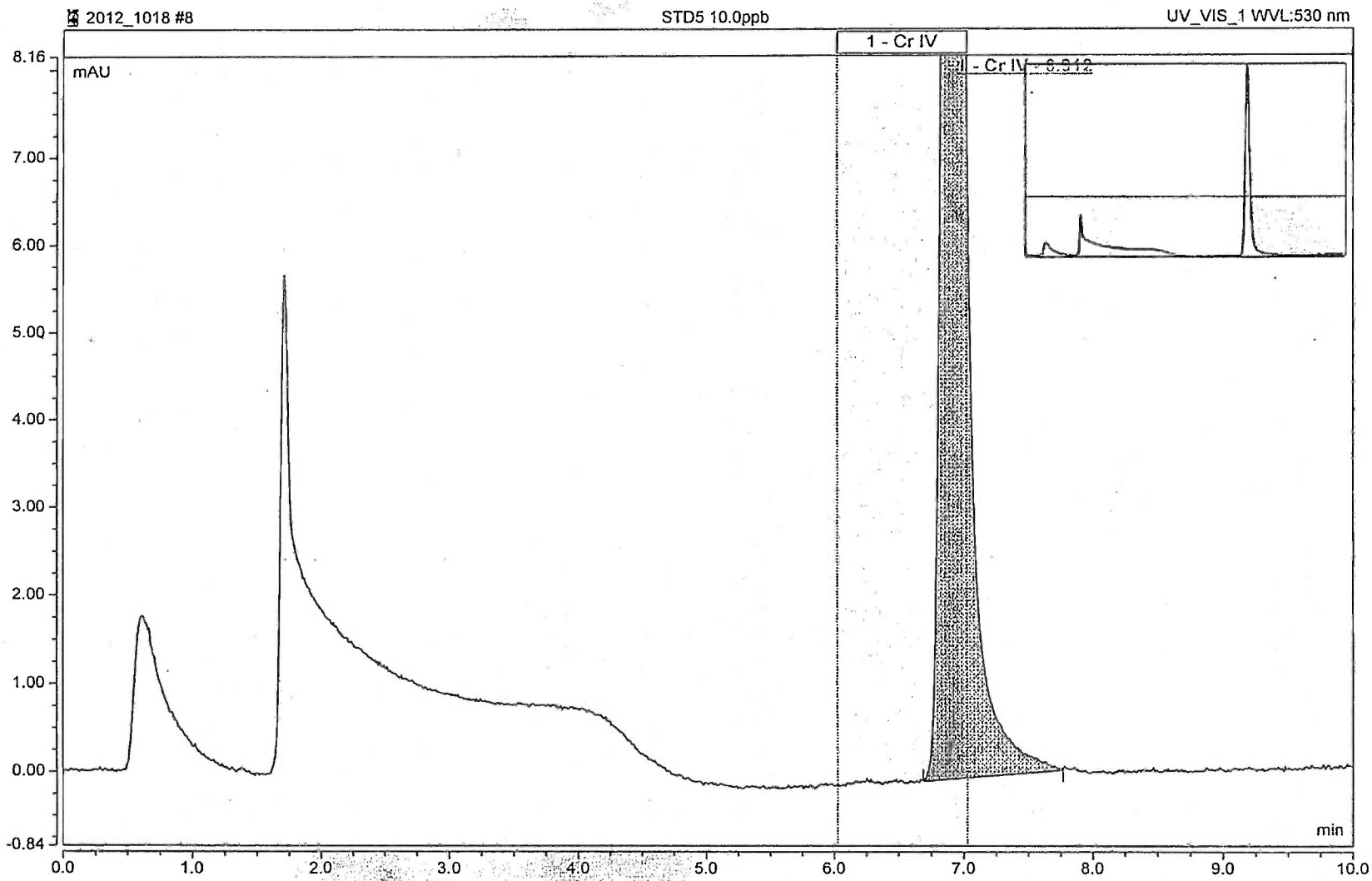


LMC-PET-00001926

CONFIDENTIAL

Sequence: 2012_1018
Injection #8: STD5 10.0ppb

Chromatogram



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Version 7.1.1.1127, Dionex Corporation

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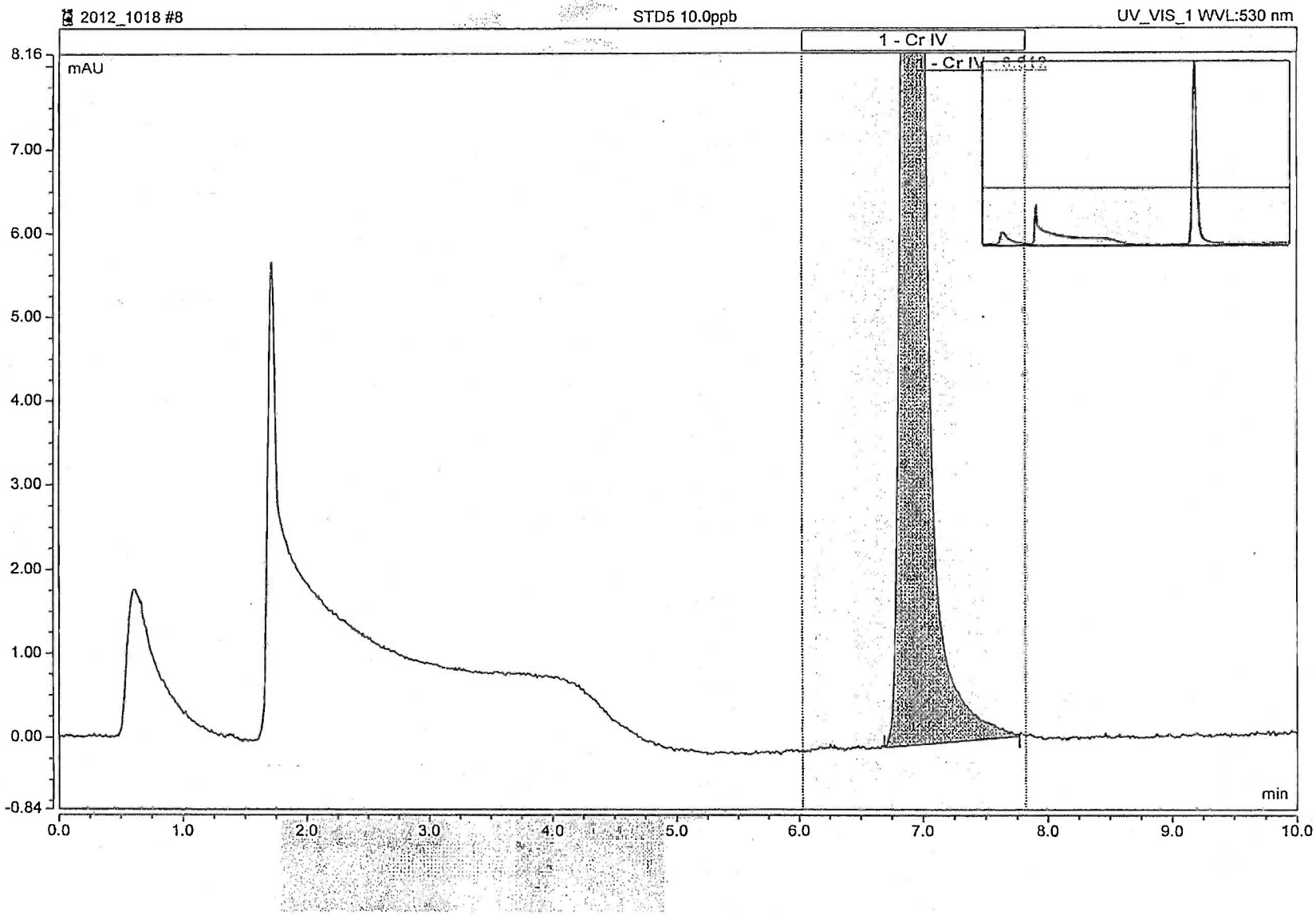
18/10/12 15:13

LMC-PET-00001927
CONFIDENTIAL

Sequence: 2012_1018
Injection #8: STD5 10.0ppb

Chromatogram



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Version 7.1.1.1127, Dionex Corporation

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ALAB : [redacted]
LMC-PET-00001928
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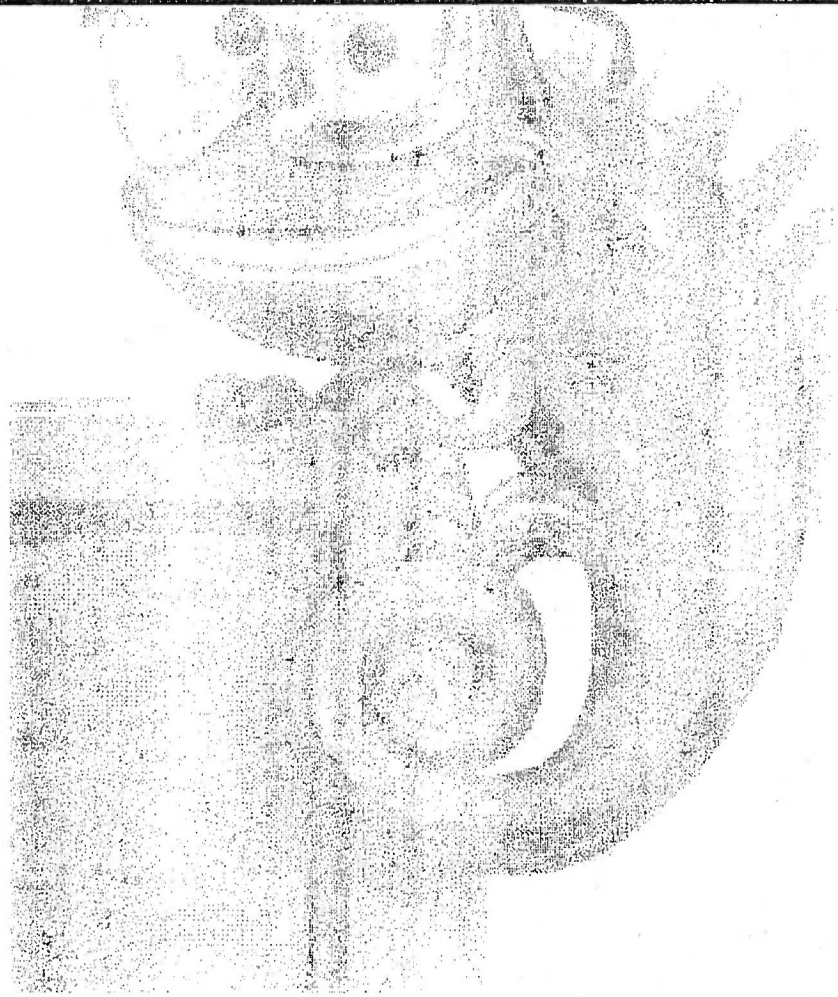
Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.912	10.0753	100.00	4.5272	26.54	M	0.147	1.39	n.a.	12275
Maximum			10.0753	100.00	4.5272	26.54		0.147	1.39	0.00	12275
Minimum			10.0753	100.00	4.5272	26.54		0.147	1.39	0.00	12275
Sum			10.0753	100.00	4.5272	26.54					

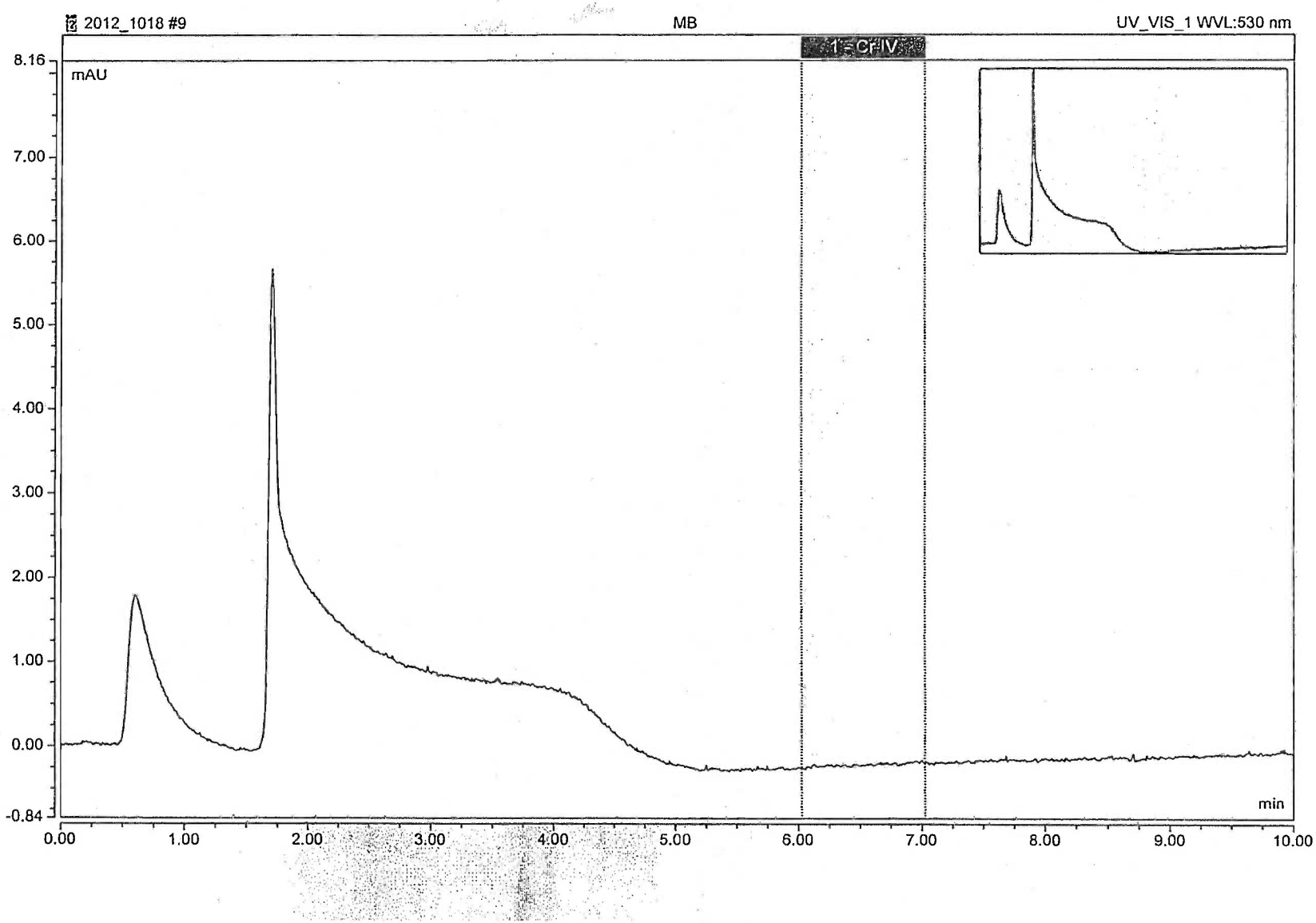


LMC-PET-00001929

CONFIDENTIAL

Sequence: 2012_1018
Injection #9: MB

Chromatogram



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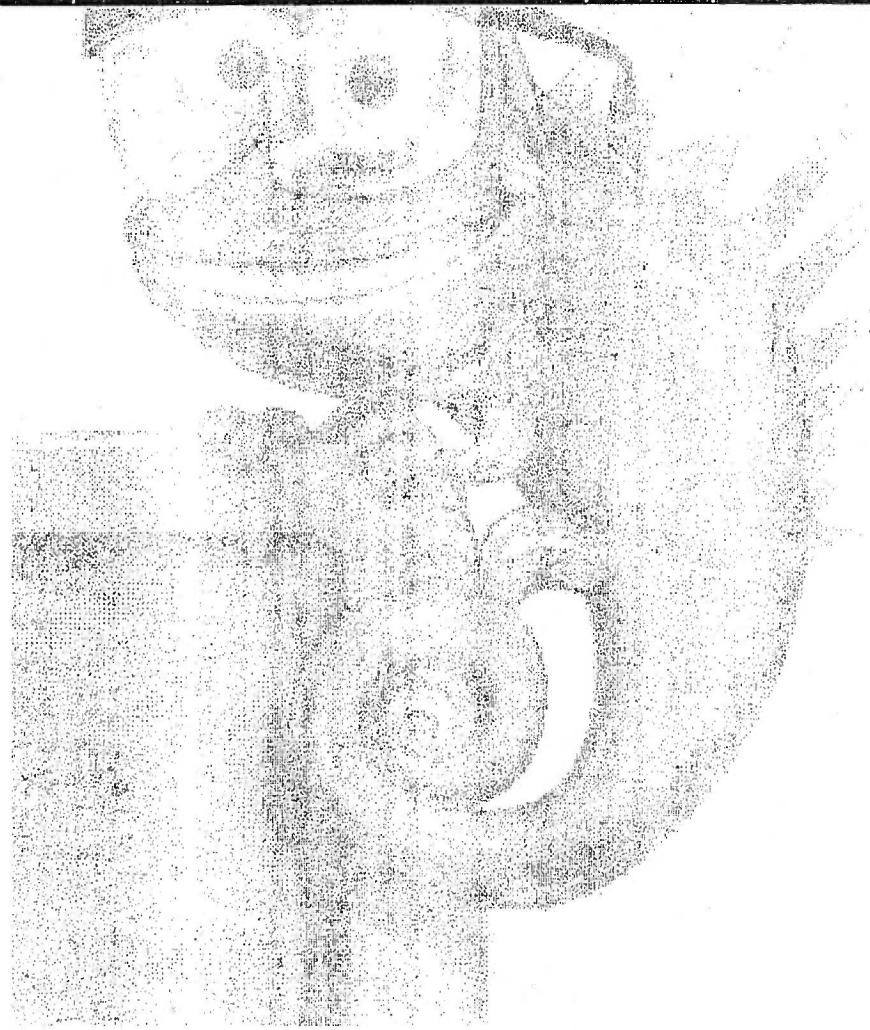
LMC-PET-00001930
CONFIDENTIAL

Peak No.	Peak Name	Ret.Time min	Amount n.a.	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
Maximum			0.0000	0.00	0.0000	0.00		0.000	0.00	0.00	0
Minimum			0.0000	0.00	0.0000	0.00		0.000	0.00	0.00	0
Sum			0.0000	0.00	0.0000	0.00					

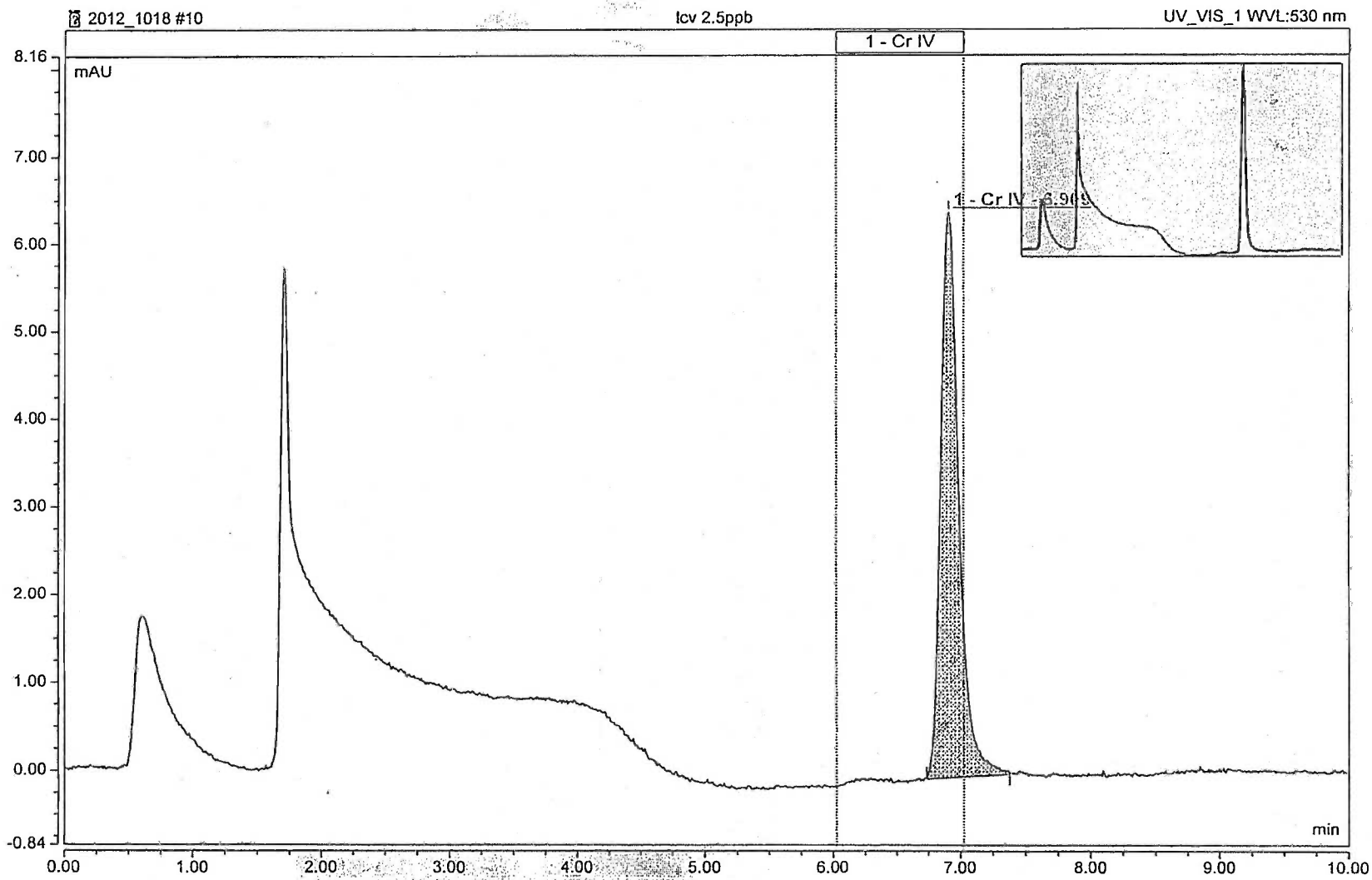


LMC-PET-00001931

CONFIDENTIAL

Sequence: 2012_1018
Injection #10: lcv 2.5ppb

Chromatogram



Chromeleon 7,
Version 7.1.1.1127, Dionex Corporation

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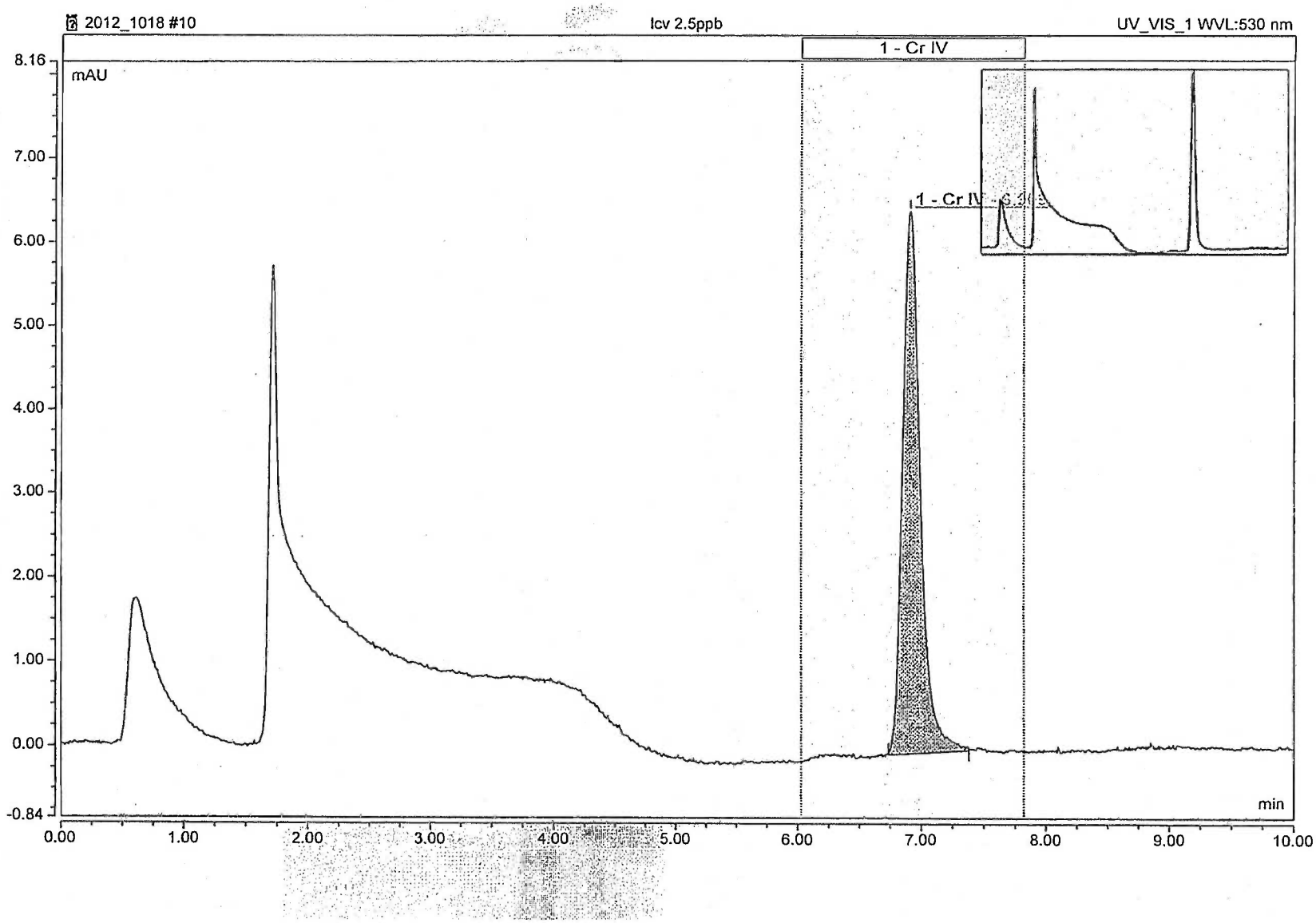
18/10/12 15:14

LMC-PET-00001932
CONFIDENTIAL

Sequence: 2012_1018
Injection #10: lcv 2.5ppb

Chromatogram



Chromeleon 7,
Version 7.1.1.1127, Dionex Corporation

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07/11/12 11:37

LMC-PET-00001933
CONFIDENTIAL

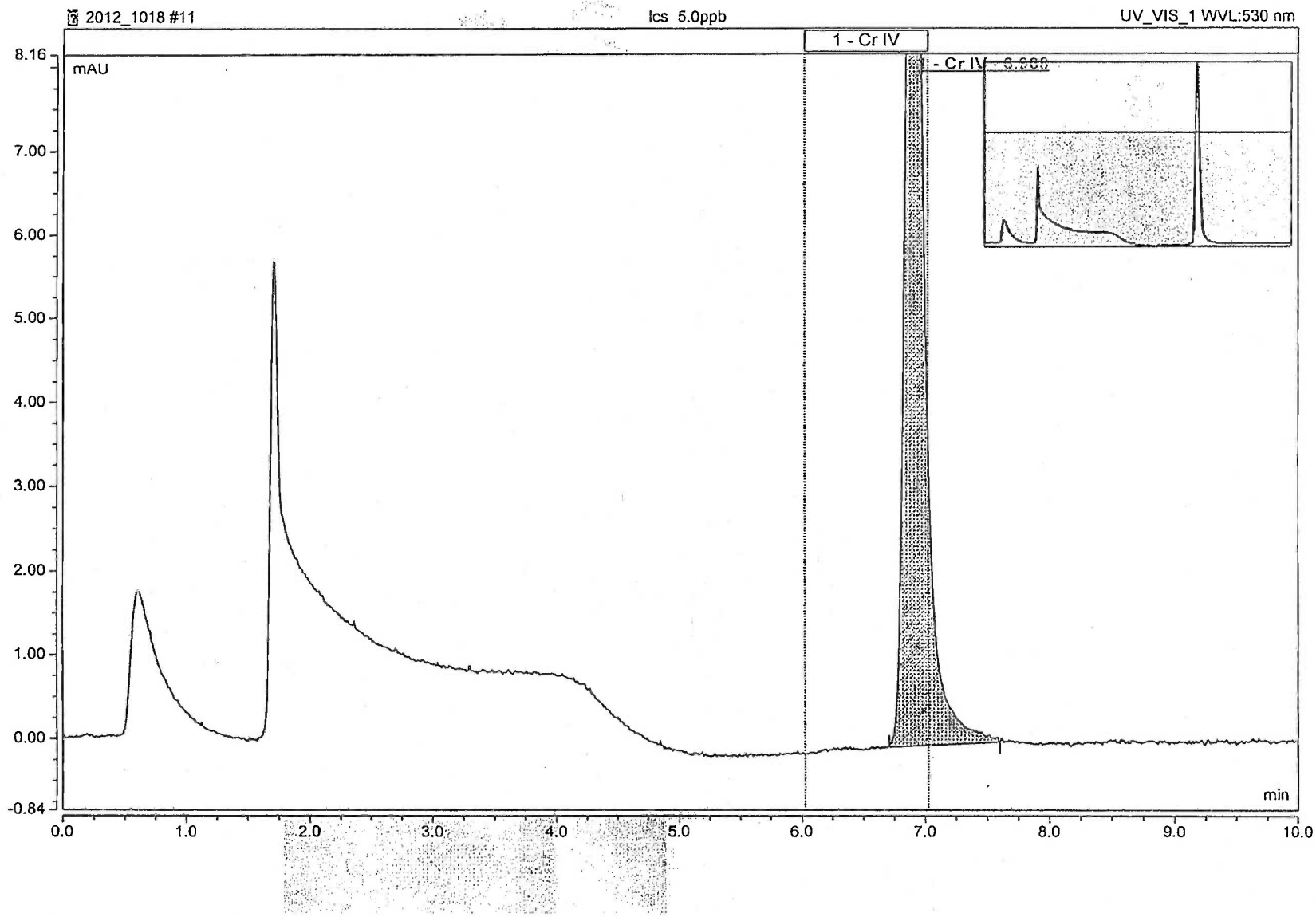
Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU·min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.909	2.3474	100.00	1.0548	6.44	M	0.145	1.33	n.a.	1249
Maximum			2.3474	100.00	1.0548	6.44		0.145	1.33	0.00	12498
Minimum			2.3474	100.00	1.0548	6.44		0.145	1.33	0.00	12498
Sum			2.3474	100.00	1.0548	6.44					

LMC-PET-00001934

CONFIDENTIAL

Sequence: 2012_1018
Injection #11: lcs 5.0ppb

Chromatogram



Chromeleon 7,
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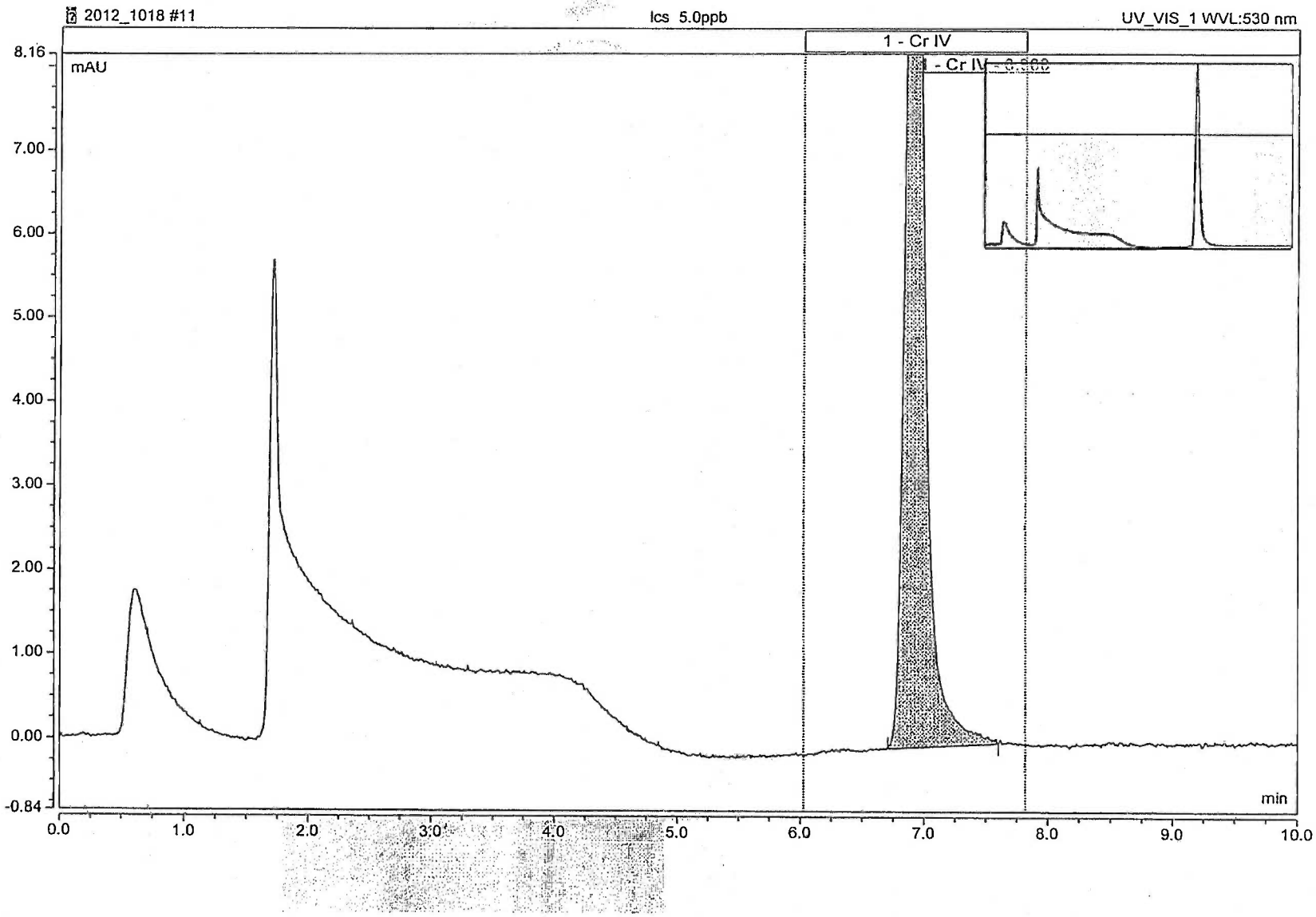
Printed by rybechay
18/10/12 15:14

ALAB : 000045
LMC-PET-00001935
CONFIDENTIAL

Sequence: 2012_1018
Injection #11: lcs 5.0ppb

Chromatogram



Chromeleon 7,
Version 7.1.1.1127, Dionex Corporation

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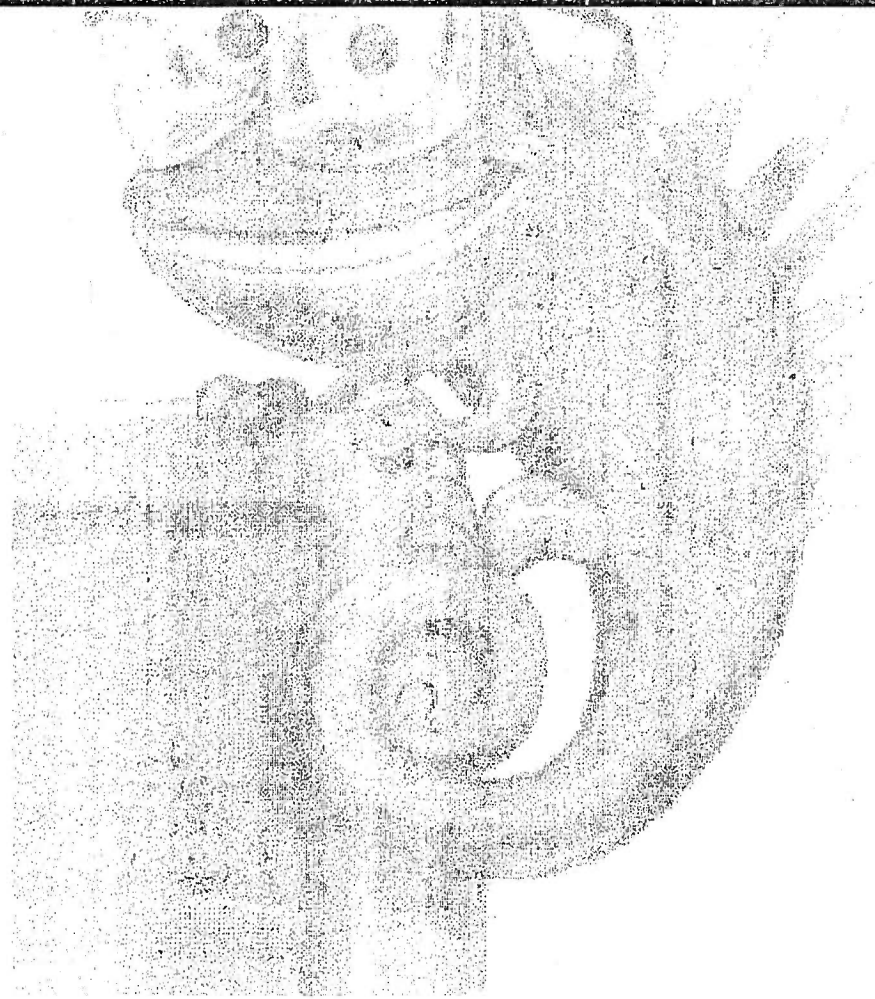
07/11/12 11:37

LMC-PET-00001936
CONFIDENTIAL

Sequence: 2012_1018
Injection #11: lcs 5.0ppb

Peak Results

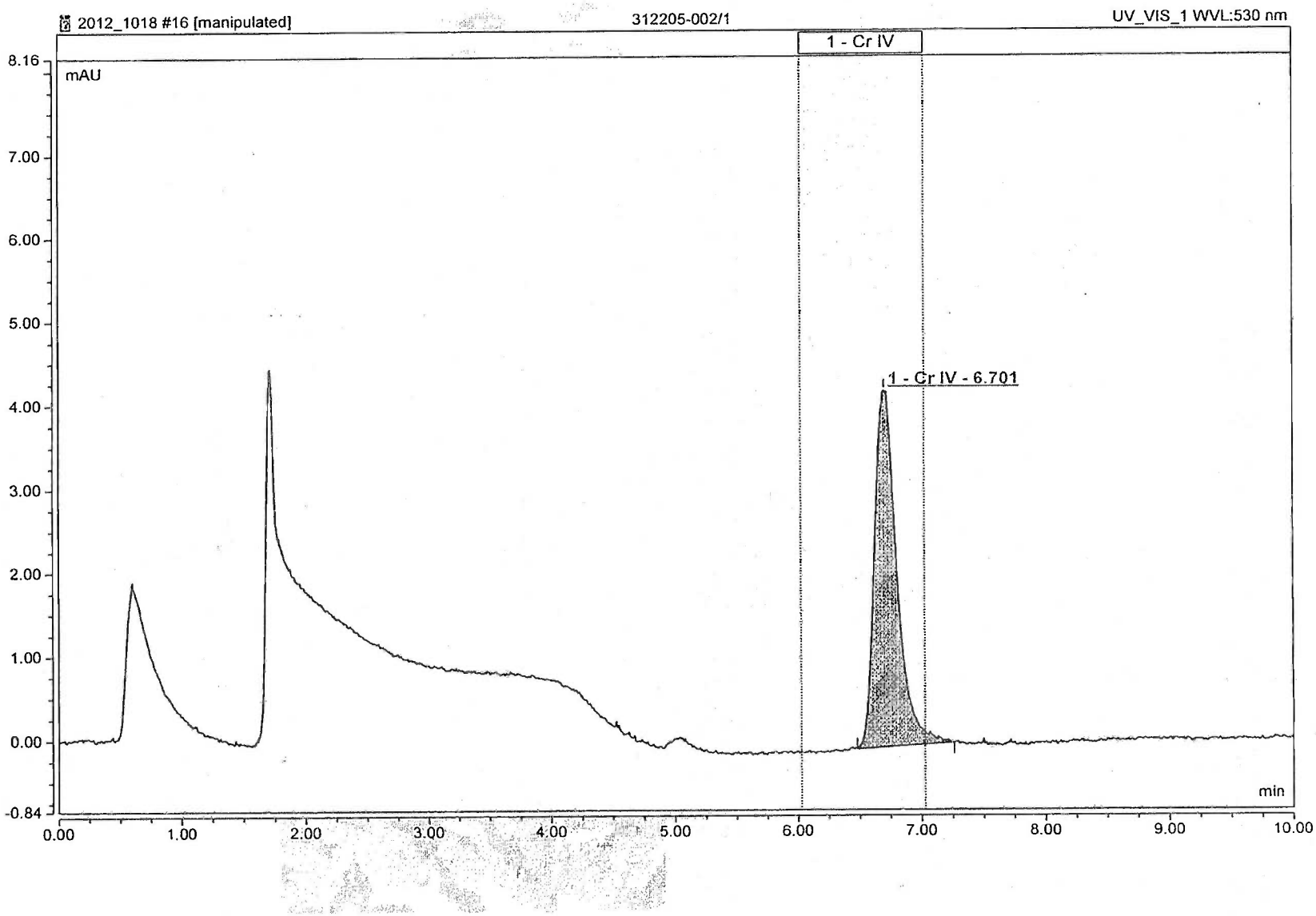
Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.908	5.0348	100.00	2.[illegible]62	13.38	M	0.146	1.39	n.a.	12354
Maximum			5.0348	100.00	2.2623	13.38		0.146	1.39	0.00	12354
Minimum			5.0348	100.00	2.2623	13.38		0.146	1.39	0.00	12354
Sum			5.0348	100.00	2.2623	13.38					



ALAB : [illegible]
LMC-PET-00001937
CONFIDENTIAL

Sequence: 2012_1018
Injection #16: 312205-002/1

Chromatogram



Chromeleon 7,
Version 7.1.1.1127, Dionex Corporation

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18/10/12 15:59

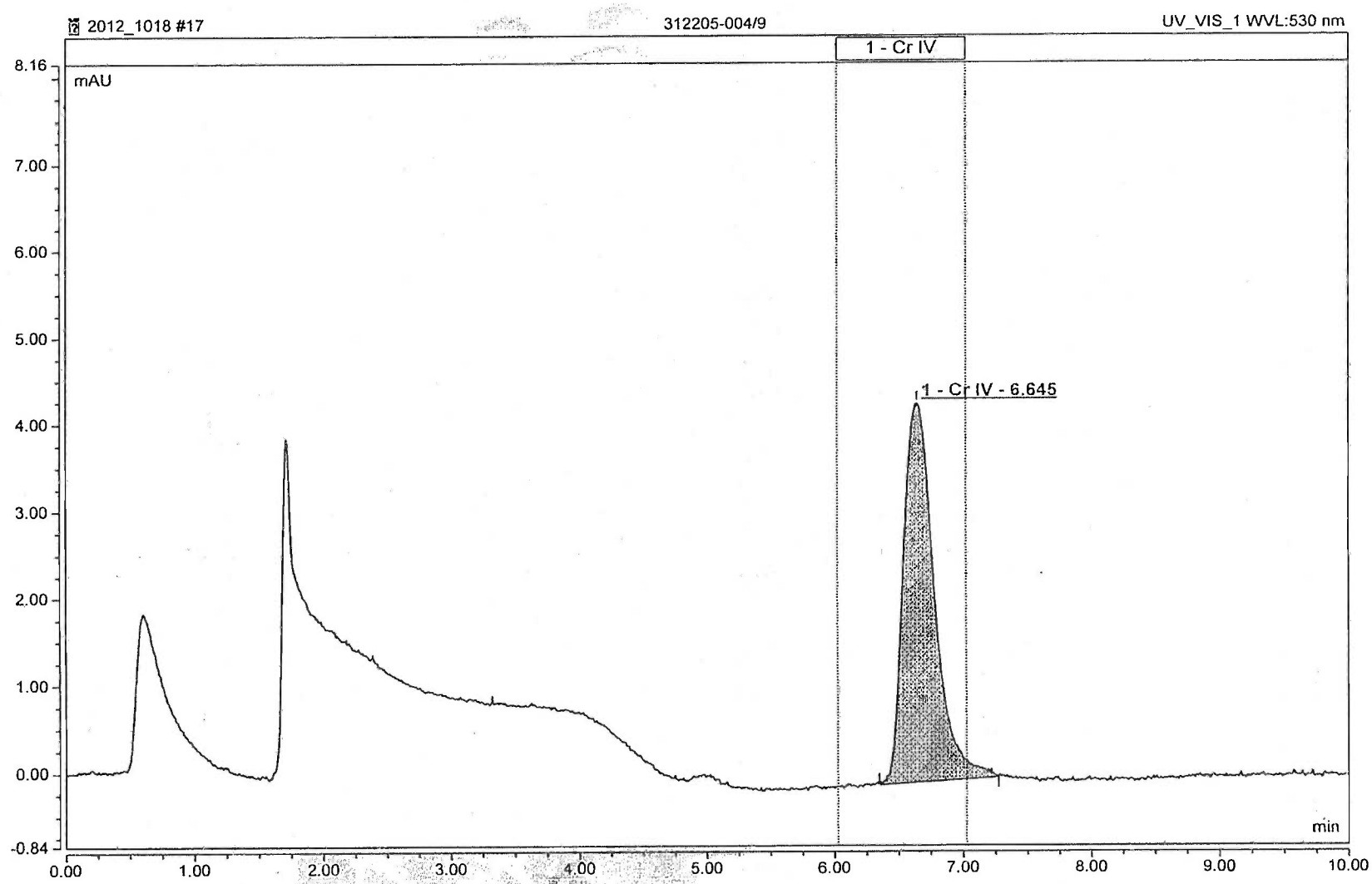
LMC-PET-00001938
CONFIDENTIAL

Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.701	1.9611	100.00	0.8812	4.26	MB*	0.185	1.38	n.a	7286
Maximum			1.9611	100.00	0.8812	4.26		0.185	1.38	0.00	7286
Minimum			1.9611	100.00	0.8812	4.26		0.185	1.38	0.00	7286
Sum			1.9611	100.00	0.8812	4.26					

ALAB : 00018
LMC-PET-00001939
CONFIDENTIAL

Sequence: 2012_1018
Injection #17: 312205-004/9

Chromatogram



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Version 7.1.1.1127, Dionex Corporation

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18/10/12 15:16

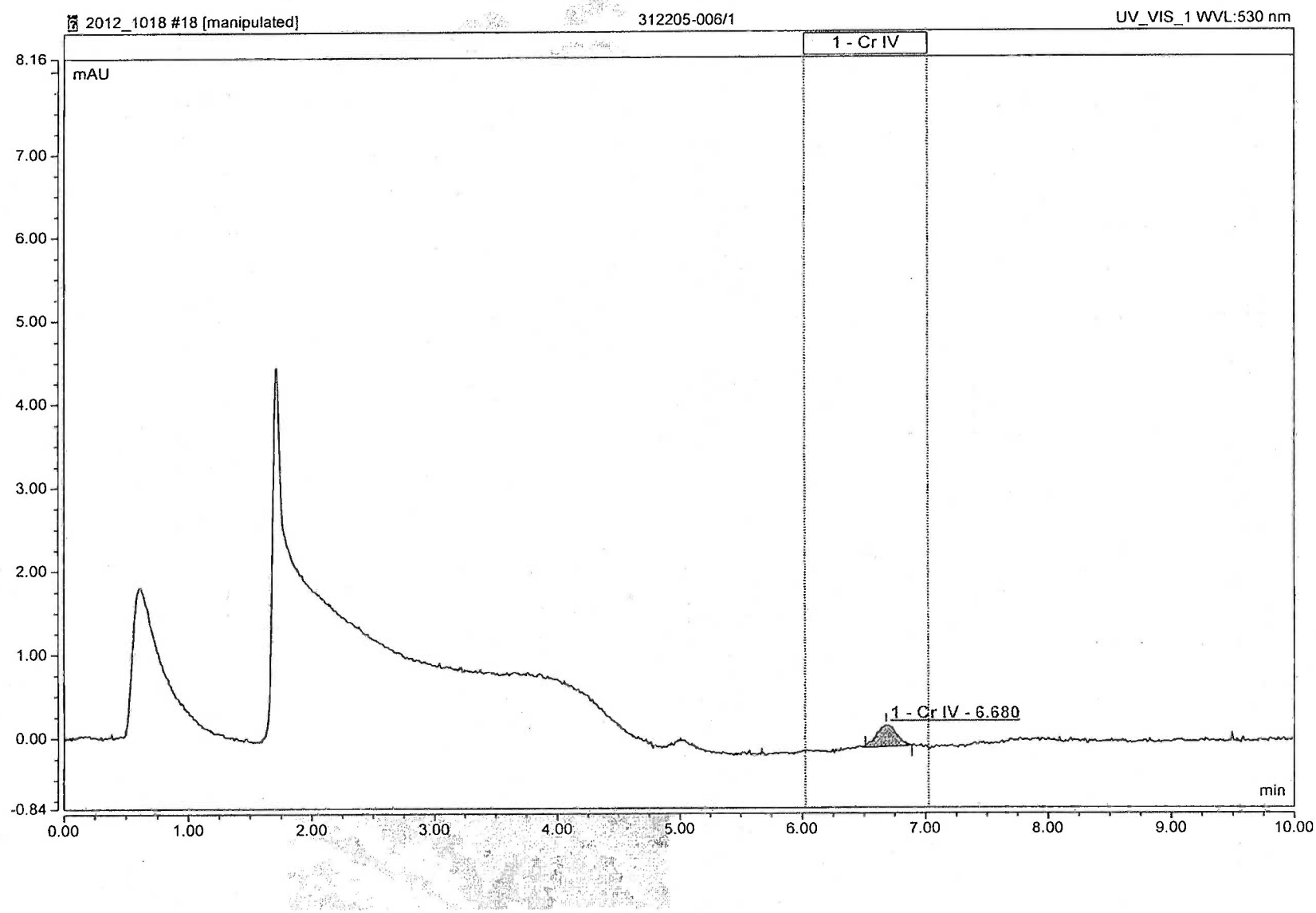
ALAB : 000119
LMC-PET-00001940
CONFIDENTIAL

Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.645	6.781	100.00	1.2034	4.35	M	0.249	1.43	n.a.	3930
Maximum			2.6781	100.00	1.2034	4.35		0.249	1.43	0.00	3930
Minimum			2.6781	100.00	1.2034	4.35		0.249	1.43	0.00	3930
Sum			2.6781	100.00	1.2034	4.35					

ALAB : 66059
LMC-PET-00001941
CONFIDENTIAL

Sequence: 2012_1018
Injection #18: 312205-006/1

Chromatogram



Chromeleon 7,
Version 7.1.1.1127, Dionex Corporation

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18/10/12 15:16

LMC-PET-00001942
CONFIDENTIAL

Sequence: 2012_1018
Injection #18: 312205-006/1

Peak Results

Peak No.	Peak Name	Ret.Time min	Amount ppb	Rel.Area %	Area mAU*min	Height mAU	Type	Width (50%) min	Asym. EP	Resol. EP	Plates EP
1	Cr IV	6.680	0.1073	100.00	0.0482	0.26	M	0.167	1.01	n.a.	8882
Maximum			0.1073	100.00	0.0482	0.26		0.167	1.01	0.00	8882
Minimum			0.1073	100.00	0.0482	0.26		0.167	1.01	0.00	8882
Sum			0.1073	100.00	0.0482	0.26					

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Version 7.1.1.1127, Dionex Corporation

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18/10/12 15:16

ALAB : 00051
LMC-PET-00001943
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