NOTE: Groundwater VOC concentrations for detected compounds given in µg/L.

= Concentration exceeds corresponding NYSDEC Class GA Groundwater Standard.

HJB-MW-10 Compound	Class GA Standard	Jul-06	Oct-06	Jun-11
MTBE	10	ND	1 J	ND
Tetrachloroethene	5	ND	ND	1.6 J

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(A.K.A. NORTHERN BOULEVARD)

ASPHALT PAVEMENT

SOIL REMOVAL AREA 2

HJB-MW-10R Compound	Class GA Standard	Sep-11	Jul-12	Feb-13	Aug-13	Feb-14	Aug-14	Mar-15	Nov-15
cis-1,2-Dichloroethene	5	ND	ND	ND	1.2 BJ	ND	ND	ND	Not sampled, MnO4- present
MTBE	10	ND	ND	ND	0.53 J	ND	ND	ND	
Tetrachloroethene	5	160	2,300 D	300 D	77	51	120	110	
Trichloroethene	5	1.4 J	24	5.6 DJ	2.7 BJ	ND	1.7 J	1.5 J	
Vinyl Chloride	2	ND	ND	ND	0.66 J	ND	ND	ND	

HJB-IW-1 Compound	Class GA Standard	Jun-11	Sep-11	Jul-12	Feb-13	Aug-13	Feb-14	Aug-14	Mar-15	Nov-15
cis-1,2-Dichloroethene	5	47	75	Not sampled, MnO4- present	Not sampled, MnO4- present	Not sampled, MnO4- present	Not sampled, MnO4- present	25	17	Not sampled, MnO4- present
Tetrachloroethene	5	100	140					90	110	
Trichloroethene	5	16	30					14	14	
Vinyl Chloride	2	3.3 J	3.7					2.2 J	ND	

HJB-MW-22 / MW-22R Compound	Class GA Standard	Jun-11	Sep-11	Jul-12	Feb-13	Aug-13	Feb-14	Aug-14	Mar-15	Nov-15
1,1-Dichloroethene	5	ND	ND	ND	0.61 J	0.69 J	1.8 J	1.3 J	250 U	Not sampled, MnO4- present
cis-1,2-Dichloroethene	5	ND	3.2 J	33	3.6 J	20	40	52	55 J	
Tetrachloroethene	5	9.3	160	2,600 D	2,700 D	4,100 D	7,100 D	4,500 D	5,900	
Trichloroethene	5	ND	11	90	50	99	140	140	91 J	
Vinyl Chloride	2	ND	ND	ND	ND	ND	1.2 J	2 J	250 U	

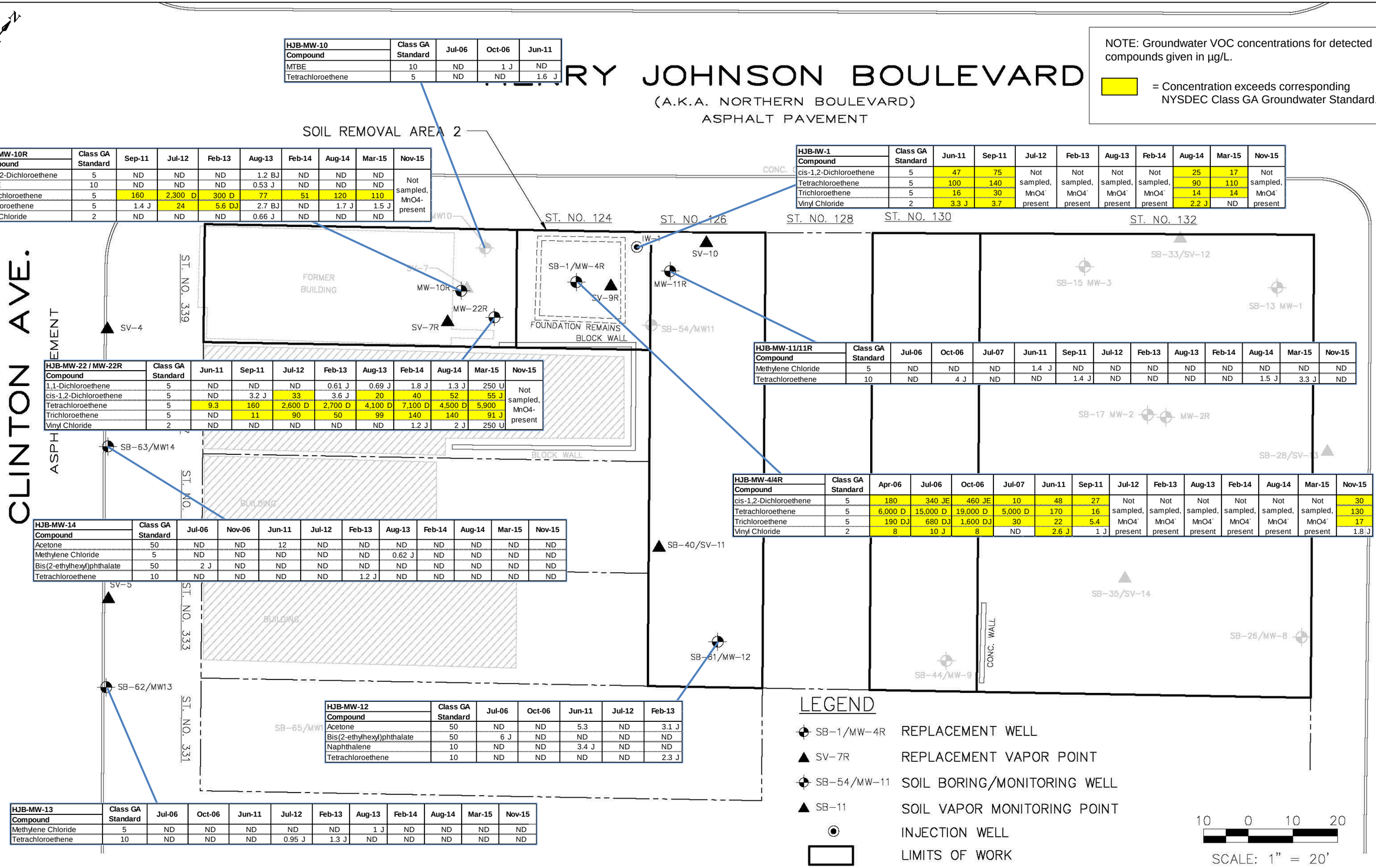
HJB-MW-11/11R Compound	Class GA Standard	Jul-06	Oct-06	Jul-07	Jun-11	Sep-11	Jul-12	Feb-13	Aug-13	Feb-14	Aug-14	Mar-15	Nov-15
Methylene Chloride	5	ND	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	10	ND	4 J	ND	ND	1.4 J	ND	ND	ND	ND	1.5 J	3.3 J	ND

HJB-MW-4/4R Compound	Class GA Standard	Apr-06	Jul-06	Oct-06	Jul-07	Jun-11	Sep-11	Jul-12	Feb-13	Aug-13	Feb-14	Aug-14	Mar-15	Nov-15
cis-1,2-Dichloroethene	5	180	340 JE	460 JE	10	48	27	Not sampled, MnO4- present	Not sampled, MnO4- present	Not sampled, MnO4- present	Not sampled, MnO4- present	Not sampled, MnO4- present	Not sampled, MnO4- present	30
Tetrachloroethene	5	6,000 D	15,000 D	19,000 D	5,000 D	170	16							130
Trichloroethene	5	190 DJ	680 DJ	1,600 DJ	30	22	5.4							17
Vinyl Chloride	2	8	10 J	8	ND	2.6 J	1 J							1.8 J

HJB-MW-14 Compound	Class GA Standard	Jul-06	Nov-06	Jun-11	Jul-12	Feb-13	Aug-13	Feb-14	Aug-14	Mar-15	Nov-15
Acetone	50	ND	ND	12	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	0.62 J	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	50	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	10	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND

HJB-MW-12 Compound	Class GA Standard	Jul-06	Oct-06	Jun-11	Jul-12	Feb-13
Acetone	50	ND	ND	5.3	ND	3.1 J
Bis(2-ethylhexyl)phthalate	50	6 J	ND	ND	ND	ND
Naphthalene	10	ND	ND	3.4 J	ND	ND
Tetrachloroethene	10	ND	ND	ND	ND	2.3 J

HJB-MW-13 Compound	Class GA Standard	Jul-06	Oct-06	Jun-11	Jul-12	Feb-13	Aug-13	Feb-14	Aug-14	Mar-15	Nov-15
Methylene Chloride	5	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
Tetrachloroethene	10	ND	ND	ND	0.95 J	1.3 J	ND	ND	ND	ND	ND



LEGEND

- SB-1/MW-4R — REPLACEMENT WELL
- SV-7R — REPLACEMENT VAPOR POINT
- SB-54/MW-11 — SOIL BORING/MONITORING WELL
- SB-11 — SOIL VAPOR MONITORING POINT
- INJECTION WELL
- LIMITS OF WORK

10 0 10 20

SCALE: 1" = 20'

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CITY OF ALBANY
ALBANY, NEW YORK
HENRY JOHNSON BOULEVARD ERP

SUMMARY OF GROUNDWATER VOC SAMPLING RESULTS

ARCADIS–US
NOVEMBER 2015
FIGURE 1

User: CADD Spec: ACAD File: G:\ACAD\PROJ\4279\009\HENRY JOHNSON ERP\CHEMOX-BASE.DWG Scale: 1:1 Date: 03/03/2014 Time: 10:37 Layout: Layout

POTENTIOMETRIC CONTOUR

170 GROUNDWATER ELEVATION (FT AMSL)

HENRY JOHNSON BOULEVARD

(A.K.A. NORTHERN BOULEVARD)
ASPHALT PAVEMENT

SOIL REMOVAL AREA 2

CONC. CURB

ST. NO. 124 ST. NO. 126 ST. NO. 128 ST. NO. 130 ST. NO. 132

ST. NO. 339 ST. NO. 337 ST. NO. 335 ST. NO. 333 ST. NO. 331

CLINTON AVE.
ASPHALT PAVEMENT

SB-42/MW10
SV-7
MW-10R 174.02
MW-22R 173.75
SV-7R
FORMER BUILDING
SB-1/MW-4R 176.42
IW-1 176.37
SV-9R
SV-10
MW-11R 175.33
FOUNDATION REMAINS
BLOCK WALL
SB-54/MW11
SB-33/SV-12
SB-15 MW-3 176.07
SB-13 MW-1
SV-4
SB-63/MW14 165.43
BUILDING
BLOCK WALL
SB-7 MW-2
MW-2R
SB-28/SV-13
POLE
SB-40/SV-11
SV-5
BUILDING
SB-35/SV-14
SB-61/MW-12
166.79
CONC. WALL
SB-44/MW-9
SB-26/MW-8 177.32
SB-62/MW13 163.88
SB-65/MW16
SV-8
VACANT LOT

176 174 172 170 168 166 164

LEGEND

SB-1/MW-4R	REPLACEMENT WELL
SV-7R	REPLACEMENT VAPOR POINT
SB-54/MW-11	SOIL BORING/MONITORING WELL
SB-11	SOIL VAPOR MONITORING POINT
	INJECTION WELL
	LIMITS OF WORK

10 0 10 20
SCALE: 1" = 20'

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CITY OF ALBANY
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HENRY JOHNSON BOULEVARD ERP

POTENTIOMETRIC CONTOUR MAP (11/5/15)

SCALE: AS SHOWN

ARCADIS–US
NOVEMBER 2015
FIGURE 2

User: CADD Spec: ACAD File: G:\ACAD\PROJ\4279\009\HENRY JOHNSON ERP\CHEMOX-BASE.DWG Scale: 1:1 Date: 03/03/2014 Time: 10:37 Layout: Layout

TABLE 1
SUMMARY OF DETECTED VOCS IN GROUNDWATER
HENRY JOHNSON BOULEVARD PROPERTIES ERP
CITY OF ALBANY, NEW YORK

Well ID	NYSDEC	IW-1			
Sample ID	Class GA	HJB-IW-1	HJB-IW-1	HJB-IW-1	HJB-IW-1
Duplicate	Standard or				
Sampling Date	Guidance Value	6/14/2011	9/13/2011	8/22/2014	3/5/2015
Matrix		WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs					
1,1,1,2-Tetrachloroethane		5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U
Benzene	1	5 U	5 U	5 U	5 U
Carbon Disulfide		5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U
Chloroform	7	2.7 J	5 U	1.5 J	1.5 J
cis-1,2-Dichloroethene	5	**47**	**75**	**25**	**17**
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U
Dibromomethane		5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U
Hexachlorobutadiene		5 U	5 U	5 U	5 U
Iodomethane		5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U
m,p-Xylene	5	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	5 U	5 U	5 U	5 U
Methylene Chloride	5	1.1 J	5 U	5 U	5 U
Naphthalene	10	5 U	5 U	5 U	5 U
Tetrachloroethene	5	**100**	**140**	**90**	**110**
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U
Trichloroethene	5	**16**	**30**	**14**	**14**
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U
Vinyl acetate		5 U	5 U	5 U	5 U
Vinyl Chloride	2	**3.3 J**	**3.7**	**2.2 J**	5 U

Notes
- Concentration exceeds NYSDEC Class GA Standard
U - The compound was not detected at the indicated concentration
J - Compound detected below the reporting limit or is estimated
E - Concentration exceeded the calibration range.
N - Positively identified TICS.
B - The analyte was found in the method blank as well as sample.
D - Concentration was obtained from a diluted analysis.
NA - Not Analyzed.

TABLE 1
SUMMARY OF DETECTED VOCS IN GROUNDWATER
HENRY JOHNSON BOULEVARD PROPERTIES ERP
CITY OF ALBANY, NEW YORK

Well ID	NYSDEC	MW-4 / MW-4R								
Sample ID	Class GA	HJB-MW-4	HJB-MW-4	HJB-MW-4	HJB-MW-4R	HJB-MW-4R	HJB-MW-4R	MW-DUP-091311	HJB-MW-4R	DUP1-110515
Duplicate	Standard or									
Sampling Date	Guidance Value	4/12/2006	7/28/2006	10/31/2006	7/5/2007	6/14/2011	9/13/2011	9/13/2011	11/5/2015	11/5/2015
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs										
1,1,1,2-Tetrachloroethane		3 J	1 J	1 J	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5	**7 J**	**6**	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	7	5 UJ	8	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7	5 U	5 UJ	1 J	2 J	5 U	5 U	5 U	1.1 J	1.1 J
cis-1,2-Dichloroethene	5	**180**	**340 JE**	**460 JE**	**10**	**48**	**27**	**53**	**30**	**30**
cis-1,3-Dichloropropene		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromomethane		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Iodomethane		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	**6,000 D**	**15,000 D**	**19,000 D**	**5,000 D**	**170**	**16**	**140**	**130**	**130**
trans-1,2-Dichloroethene	5	5 U	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	**190 DJ**	**680 DJ**	**1,600 DJ**	**30**	**22**	**5.4**	**20**	**17**	**16**
Trichlorofluoromethane	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate		5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	**8**	**10 J**	**8**	5 U	**2.6 J**	1 J	**2.5 J**	1.8 J	1.8 J

Notes
- Concentration exceeds NYSDEC Class GA Standard
U - The compound was not detected at the indicated concentratio
J - Compound detected below the reporting limit or is estimated
E - Concentration exceeded the calibration range.
N - Positively identified TICS.
B - The analyte was found in the method blank as well as sample.
D - Concentration was obtained from a diluted analysis.
NA - Not Analyzed.

TABLE 1
SUMMARY OF DETECTED VOCS IN GROUNDWATER
HENRY JOHNSON BOULEVARD PROPERTIES ERP
CITY OF ALBANY, NEW YORK

Well ID	NYSDEC	MW-10 / MW-10R										
Sample ID	Class GA Standard or	HJB-MW-10	HJB-MW-10	HJB-MW-10	HJB-MW-10R	HJB-MW-10R	HJB-MW-10R	HJB-MW-10R	DUP-082713	HJB-MW-10R	HJB-MW-10R	HJB-MW-10R
Duplicate												
Sampling Date	Guidance Value	7/27/2006	10/30/2006	6/14/2011	9/12/2011	7/18/2012	2/13/2013	8/27/2013	8/27/2013	2/11/2014	8/22/2014	3/5/2015
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs												
1,1,1,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide		17	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	1 J	5 U	1.2 BJ	1.3 BJ	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Iodomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	5 U	1 J	5 U	5 U	0.66 J	5 U	0.53 J	0.54 J	5 U	5 U	5 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	1.6 J	**160 D**	**2,300 D**	**300 D**	**77**	**76**	**51**	**120**	**110**
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	1.4 J	**24**	**5.6 DJ**	2.7 BJ	2.7 BJ	5 U	1.7 J	1.5 J
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	5 U	5 U	5 U	5 U	5 U	5 U	0.66 J	0.66 J	5 U	5 U	5 U

Notes

- Concentration exceeds NYSDEC Class GA Standard

U - The compound was not detected at the indicated concentratio
J - Compound detected below the reporting limit or is estimated
E - Concentration exceeded the calibration range.
N - Positively identified TICS.
B - The analyte was found in the method blank as well as sample.
D - Concentration was obtained from a diluted analysis.
NA - Not Analyzed.

TABLE 1
SUMMARY OF DETECTED VOCS IN GROUNDWATER
HENRY JOHNSON BOULEVARD PROPERTIES ERP
CITY OF ALBANY, NEW YORK

Well ID	NYSDEC	MW-11 / MW-11R											
Sample ID	Class GA Standard or Guidance Value	HJB-MW-11	HJB-MW-11	HJB-MW-11R	HJB-MW-11R	HJB-MW-11R	HJB-MW-11R	HJB-MW-11R	HJB-MW-11R	HJB-MW-11R	HJB-MW-11R	HJB-MW-11R	HJB-MW-11R
Duplicate													
Sampling Date		7/27/2006	10/30/2006	7/5/2007	6/14/2011	9/13/2011	7/18/2012	2/13/2013	8/27/2013	2/11/2014	8/22/2014	3/5/2015	11/5/2015
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs													
1,1,1,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Iodomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	5 U	5 U	5 U	1.4 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	4 J	5 U	5 U	1.4 J	5 U	5 U	5 U	5 U	1.5 J	3.3 J	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Notes

- Concentration exceeds NYSDEC Class GA Standard

U - The compound was not detected at the indicated concentratio
J - Compound detected below the reporting limit or is estimated
E - Concentration exceeded the calibration range.
N - Positively identified TICS.
B - The analyte was found in the method blank as well as sample.
D - Concentration was obtained from a diluted analysis.
NA - Not Analyzed.

TABLE 1
SUMMARY OF DETECTED VOCS IN GROUNDWATER
HENRY JOHNSON BOULEVARD PROPERTIES ERP
CITY OF ALBANY, NEW YORK

Well ID	NYSDEC	MW-12				
Sample ID	Class GA	HJB-MW-12	HJB-MW-12	HJB-MW-12	HJB-MW-12	HJB-MW-12
Duplicate	Standard or					
Sampling Date	Guidance Value	7/27/2006	10/30/2006	6/14/2011	7/18/2012	2/13/2013
Matrix		WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs						
1,1,1,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5.3	5 U	3.1 J
Benzene	1	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U
Chloroform	7	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U	5 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene		5 U	5 U	5 U	5 U	5 U
Iodomethane		5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	5	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	5 U	5 U	3.4 J	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	2.3 J
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U
Vinyl acetate		5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	5 U	5 U	5 U	5 U	5 U

Notes
- Concentration exceeds NYSDEC Class GA Standard
U - The compound was not detected at the indicated concentratio
J - Compound detected below the reporting limit or is estimated
E - Concentration exceeded the calibration range.
N - Positively identified TICS.
B - The analyte was found in the method blank as well as sample.
D - Concentration was obtained from a diluted analysis.
NA - Not Analyzed.

TABLE 1
SUMMARY OF DETECTED VOCS IN GROUNDWATER
HENRY JOHNSON BOULEVARD PROPERTIES ERP
CITY OF ALBANY, NEW YORK

Well ID	NYSDEC	MW-13									
Sample ID	Class GA Standard or Guidance Value	HJB-MW-13	HJB-MW-13	HJB-MW-13	HJB-MW-13	HJB-MW-13	HJB-MW-13	HJB-MW-13	HJB-MW-13	HJB-MW-13	HJB-MW-13
Duplicate											
Sampling Date		7/28/2006	10/31/2006	6/14/2011	7/18/2012	2/13/2013	8/27/2013	2/11/2014	8/22/2014	3/5/2015	11/5/2015
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs											
1,1,1,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Iodomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U
Naphthalene	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	0.95 J	1.3 J	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Notes
- Concentration exceeds NYSDEC Class GA Standard
U - The compound was not detected at the indicated concentratio
J - Compound detected below the reporting limit or is estimated
E - Concentration exceeded the calibration range.
N - Positively identified TICS.
B - The analyte was found in the method blank as well as sample.
D - Concentration was obtained from a diluted analysis.
NA - Not Analyzed.

TABLE 1
SUMMARY OF DETECTED VOCS IN GROUNDWATER
HENRY JOHNSON BOULEVARD PROPERTIES ERP
CITY OF ALBANY, NEW YORK

Well ID	NYSDEC	MW-14									
Sample ID	Class GA Standard or Guidance Value	HJB-MW-14	HJB-MW-14	HJB-MW-14	HJB-MW-14	HJB-MW-14	HJB-MW-14	HJB-MW-14	HJB-MW-14	HJB-MW-14	HJB-MW-14
Duplicate											
Sampling Date		7/28/2006	11/1/2006	6/14/2011	7/18/2012	2/13/2013	8/27/2013	2/11/2014	8/22/2014	3/5/2015	11/5/2015
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs											
1,1,1,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	12	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Iodomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	0.62 J	5 U	5 U	5 U	5 U
Naphthalene	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	1.2 J	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl acetate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Notes
- Concentration exceeds NYSDEC Class GA Standard
U - The compound was not detected at the indicated concentratio
J - Compound detected below the reporting limit or is estimated
E - Concentration exceeded the calibration range.
N - Positively identified TICS.
B - The analyte was found in the method blank as well as sample.
D - Concentration was obtained from a diluted analysis.
NA - Not Analyzed.

TABLE 1
SUMMARY OF DETECTED VOCS IN GROUNDWATER
HENRY JOHNSON BOULEVARD PROPERTIES ERP
CITY OF ALBANY, NEW YORK

Well ID	NYSDEC	MW-22 / MW-22R											
Sample ID	Class GA Standard or Guidance Value	HJB-MW-22	HJB-MW-22R	HJB-MW-22R	DUP 071812	HJB-MW-22R	HJB-MW-22R	HJB-MW-22R	DUP 021114	HJB-MW-22R	DUP MW-X	HJB-MW-22R	DUP-01-030515
Duplicate													
Sampling Date		6/14/2011	9/12/2011	7/18/2012	7/18/2012	2/13/2013	8/27/2013	2/11/2014	2/11/2014	8/22/2014	8/22/2014	3/5/2015	3/5/2015
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs													
1,1,1,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	0.61 J	0.69 J	1.9 J	1.8 J	1.3 J	1.9 J	250 U	250 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Benzene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Chloroform	7	5 U	0.72 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
cis-1,2-Dichloroethene	5	5 U	3.2 J	**33**	**40**	3.6 J	**20**	**40**	**39**	**52**	**55**	**55 J**	250 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Dibromochloromethane	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Dibromomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Dichlorodifluoromethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Hexachlorobutadiene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Iodomethane		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
m,p-Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Methyl tert-butyl ether	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Naphthalene	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Tetrachloroethene	5	**9.3**	**160**	**2,600 D**	**3,100 D**	**2,700 D**	**4,100 D**	**7,100 D**	**7,000 D**	**4,500 D**	**4,800 D**	**5,900**	**6,100**
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Trichloroethene	5	5 U	**11**	**90**	**110**	**50**	**99**	**140**	**140**	**140**	**150**	**91 J**	**85 J**
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Vinyl acetate		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U
Vinyl Chloride	2	5 U	5 U	5 U	5 U	5 U	5 U	1.2 J	1.1 J	2 J	2 J	250 U	250 U

Notes

- Concentration exceeds NYSDEC Class GA Standard

U - The compound was not detected at the indicated concentratio
J - Compound detected below the reporting limit or is estimated
E - Concentration exceeded the calibration range.
N - Positively identified TICS.
B - The analyte was found in the method blank as well as sample.
D - Concentration was obtained from a diluted analysis.
NA - Not Analyzed.

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☑ Final Report
☐ Re-Issued Report
☐ Revised Report
Report Date:
20-Nov-15 14:21

Laboratory Report

ARCADIS U.S., Inc.
855 Route 146, Suite 210
Clifton Park, NY 12065

Work Order: P1622
Project : Henry Johnson Blvd
Project #:

Attn: Stefan Bagnato

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
P1622-01	MW-13-110515	Aqueous	05-Nov-15 10:30	06-Nov-15 09:25
P1622-02	MW-4R_110515	Aqueous	05-Nov-15 11:20	06-Nov-15 09:25
P1622-03	MW-11R_110515	Aqueous	05-Nov-15 11:40	06-Nov-15 09:25
P1622-04	MW-14_110515	Aqueous	05-Nov-15 12:00	06-Nov-15 09:25
P1622-05	DUP-1_110515	Aqueous	05-Nov-15 00:00	06-Nov-15 09:25
P1622-06	TB_110515	Aqueous	05-Nov-15 00:00	06-Nov-15 09:25

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet.

Eurofins Spectrum Analytical (ESA-RI) is accredited under the National Environmental Laboratory Approval Program (NELAP) and DoD Environmental Laboratory Accreditation Program (ELAP), holds Organic and Inorganic contracts under the USEPA CLP Program and is certified under several states. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

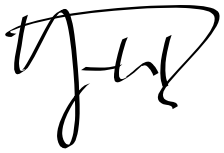
Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Florida	E87664
Massachusetts	M-RI907
New Hampshire	2060
New Jersey	RI001
New York	11522
Rhode Island	LAI00349
USDA	P330-08-00023
USEPA - ISM	EP-W-14-032
USEPA - SOM	EP-W-14-032

NELAP ACCREDITED TNI LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2247 Testing

Authorized by:



Yihai Ding
Laboratory Director

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Henry Johnson Blvd **SDG :** P1622

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW-13-110515	P1622-01	SW8260_W				
MW-4R_110515	P1622-02	SW8260_W				
MW-11R_110515	P1622-03	SW8260_W				
MW-14_110515	P1622-04	SW8260_W				
DUP-1_110515	P1622-05	SW8260_W				
TB_110515	P1622-06	SW8260_W				

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Henry Johnson Blvd **SDG :** P1622

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
P1622-01A	AQ	11/5/2015	11/6/2015	NA	11/12/2015
P1622-02A	AQ	11/5/2015	11/6/2015	NA	11/12/2015
P1622-03A	AQ	11/5/2015	11/6/2015	NA	11/12/2015
P1622-04A	AQ	11/5/2015	11/6/2015	NA	11/12/2015
P1622-05A	AQ	11/5/2015	11/6/2015	NA	11/12/2015
P1622-06A	AQ	11/5/2015	11/6/2015	NA	11/12/2015

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Henry Johnson Blvd **SDG :** P1622

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
P1622-01A	AQ	SW8260_W	NA	LOW	1
P1622-02A	AQ	SW8260_W	NA	LOW	1
P1622-03A	AQ	SW8260_W	NA	LOW	1
P1622-04A	AQ	SW8260_W	NA	LOW	1
P1622-05A	AQ	SW8260_W	NA	LOW	1
P1622-06A	AQ	SW8260_W	NA	LOW	1

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

WorkOrder: P1622

Client ID: MALCOLM_LATHAM
Project: Henry Johnson Blvd
WO Name: Henry Johnson Blvd
Location: HENRY_JOHNSON,
Comments: N/A

Case:
SDG:
PO: 04279009.0000

HC Due: 11/20/15
Fax Due:
Fax Report: ☐

Report Level: ASP-A
Special Program:
EDD: CLF
EQuIS_4_NYSDEC_v3

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
P1622-01A	MW-13-110515	11/05/2015 10:30	11/06/2015	Aqueous	SW8260_W	/ +TICs					VOA
P1622-02A	MW-4R_110515	11/05/2015 11:20	11/06/2015	Aqueous	SW8260_W	/ +TICs					VOA
P1622-03A	MW-11R_110515	11/05/2015 11:40	11/06/2015	Aqueous	SW8260_W	/ +TICs					VOA
P1622-04A	MW-14_110515	11/05/2015 12:00	11/06/2015	Aqueous	SW8260_W	/ +TICs					VOA
P1622-05A	DUP-1_110515	11/05/2015 00:00	11/06/2015	Aqueous	SW8260_W	/ +TICs					VOA
P1622-06A	TB_110515	11/05/2015 00:00	11/06/2015	Aqueous	SW8260_W	/ +TICs					VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

11/09/2015 11:55 Lab Client Rep: Agnes R Huntley

Sample Transmittal Documentation

P1622

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 1 of 1

CHAIN OF CUSTODY RECORD

☐ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☐ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☒ 646 Camp Avenue, N Kingstown, RI 02852, (401) 732-3400

Special Handling:

TAT- Indicate Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Stefan Bagnato
ARCADIS
855 Route 146, Suite 210
Clifton Park, NY 12065
Telephone #: (518) 250-7300
Project Mgr. Stefan Bagnato

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: 04279009.0000
Site Name: Henry Johnson Blvd Properties
Location: Albany State: NY
Sampler(s): AG + BQ

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below: 2

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

P1622 G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOC's
01	MW-13-110515	11/5/15	1030	G	GW	2				2
02	MW-4R-110515	↓	1120	↓	↓	↓				↓
03	MW-11R-110515		1140							
04	MW-14-110515		1200							
05	DUP-1-110515		—							

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☒ Other CAT A

State-specific reporting standards: _____

Relinquished by:	Received by:	Date:	Time:	Temp°C
Brad Zeh	[illegible]	11/6/15	9:25	

☐ EDD Format _____
☒ E-mail to Stefan.Bagnato@arcadis.com

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

5.1°C

Revised Feb 2013

Eurofins Spectrum Analytical, Inc. -- ESAI-RI

Received By: ACA	Page 01 of 00
Reviewed By: KP	Log-in Date 11/06/2015
Work Order: P1622	Client Name: ARCADIS U.S., Inc.
Project Name/Event: Henry Johnson Blvd	

Remarks: (1/2) Please see associated sample/extract transfer logbook pages submitted with this data package.

1. Custody Seal(s)	Present / Absent
	Intact / Broken
2. Custody Seal Nos.	N/A
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present / Absent
4. Airbill	AirBill / Sticker
	Present / Absent
5. Airbill No.	FedEx 8063 0137 9393
6. Sample Tags	Present / Absent
Sample Tag Numbers	Listed / Not Listed on Chain-of-Custody
7. Sample Condition	Intact / Broken / Leaking
8. Cooler Temperature Indicator Bottle	Present / Absent
9. Cooler Temperature	5.1 °C
10. Does information on TR/COCs and sample tags agree?	Yes / No
11. Date Received at Laboratory	11/06/2015
12. Time Received	09:25

Sample Transfer	
Fraction (1) TVOA/VOA	Fraction (2) SVOA/PEST/ARO
Area #	Area #
By	By
On	On

Lab Sample ID	Preservation (pH) HNO3	H2SO4	HCl	NaOH	H3PO4	VOA Matrix	Soil HeadSpace or Air Bubble > or equal to 1/4"
P1622-01						H	
P1622-02						H	
P1622-03						H	
P1622-04						H	
P1622-05						H	
P1622-06						H	

IR Temp Gun ID:MT-74

CoolantCondition: ICE

Preservative Name/Lot No:

VOA Matrix Key:

US = Unpreserved Soil	A= Air
UA = Unpreserved Aqueous	H = HCl
M = MeOH	E = Encore
N = NaHSO4	F = Freeze

See Sample Condition Notification/Corrective Action Form Yes / No

Rad OK Yes / No

Spectrum Analytical, Inc. RI Division Sample Condition Notification

Project#: P1622 **Date of Receipt:** 11/6/15
Client: Arcadis **Received By:** KB
Client project #/name: Henry Johnson

Unusual Occurance Description:

Two HCL trip blank vials sent. not listed on COC

Client Contacted:

Contacted via: Phone/Fax/E-mail
Date: 11/6/15 **Time:**
Contacted By: Agnus
Name of person contacted: Stefan

Client Response:

Responded via: Phone/Fax/E-mail
Date: 11/6/15
Name of person responding: Stefan
Responding to: Agnus

Analyze TB

Action Taken: TB logged in for analysis

Form ID: QAF.0005

Agnes Huntley [Warwick]

From: Bagnato, Stefan [Stefan.Bagnato@arcadis.com]
Sent: Friday, November 06, 2015 11:03 AM
To: Agnes Huntley [RI]
Subject: RE: Henry Johnson

Hi Agnes-
Yes please proceed with analysis of the TB.
Thanks,
-Stefan

From: Agnes Huntley [RI] [mailto:AgnesHuntley@EurofinsUS.com]
Sent: Friday, November 6, 2015 10:48 AM
To: Bagnato, Stefan <Stefan.Bagnato@arcadis.com>
Subject: Henry Johnson

Good morning Stefan,

We received a TB with the samples, however, the TB is not listed on the COC. We will proceed with analysis of the TB unless we are notified not to.

Please call with any questions or concerns,
Agnes

Agnes Huntley
CLP Project Manager

Eurofins Spectrum Analytical, Inc.
646 Camp Ave
North Kingstown, RI 02852
USA
Phone: 401-732-3400
Fax: 401-732-3499

Email: AgnesHuntley@EurofinsUS.com
Website: http://www.eurofinsus.com/Spectrum

Notify us here to report this email as spam.

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* Volatiles *

REPORT NARRATIVE

Eurofins Spectrum Analytical, Inc.

Client : ARCADIS U.S., Inc.

Project: Henry Johnson Blvd

Laboratory Workorder / SDG #: P1622

SW846 8260C, VOC by GC-MS

I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

II. HOLDING TIMES

A. Sample Preparation:

All samples were prepared within the method-specified holding times.

B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8260C

IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030B

V. INSTRUMENTATION

The following instrumentation was used

Instrument Code: V10
Instrument Type: GCMS-VOA

Description: HP7890A
Manufacturer: Agilent
Model: 7890A / 5975C

VI. ANALYSIS

A. Calibration:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

D. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCS-83536 in batch 83536, recovery is above criteria for Iodomethane at 126% with criteria of (72-121).

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Internal Standards:

Internal standard peak areas were within the QC limits.

F. Dilutions:

No sample in this SDG required analysis at dilution.

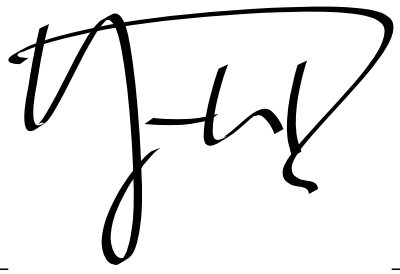
G. Samples:

No other unusual occurrences were noted during sample analysis.

H. Manual Integration

No manual integrations were performed on any sample or standard.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.



Signed:_____ _____

Date:_____11/20/2015_____

Data Flag/Qualifiers (Page 1 of 2):

U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).

J This flag indicates an estimated value due to either
- the compound was detected below the reporting limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis

E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.

P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates interference, causing one value to be unusually high. The **lower** of the two values is generally reported on the Form 1, and both values reported on the Form 10.

A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as an aldol condensation by-product.

Data Flag/Qualifiers (Page 2 of 2):

N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.

* For Inorganics analysis the * flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.

L NYSDEC qualifier: Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Q Qualified Results. This compound has an associated Continuing Calibration Verification (CCV) with a %Difference or %Drift above the control limit.

Sample ID Suffixes

DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution

RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.

RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.

RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.

MS Matrix Spike.

MSD Matrix Spike Duplicate

DUP Duplicate analysis

SD Serial Dilution

PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-83536

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-83536

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2393.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	48	
74-87-3	Chloromethane	48	
75-01-4	Vinyl chloride	49	
74-83-9	Bromomethane	63	
75-00-3	Chloroethane	46	
75-69-4	Trichlorofluoromethane	50	
75-35-4	1,1-Dichloroethene	53	
67-64-1	Acetone	68	
74-88-4	Iodomethane	63	
75-15-0	Carbon disulfide	52	
75-09-2	Methylene chloride	52	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl tert-butyl ether	49	
75-34-3	1,1-Dichloroethane	49	
108-05-4	Vinyl acetate	46	
78-93-3	2-Butanone	56	
156-59-2	cis-1,2-Dichloroethene	52	
594-20-7	2,2-Dichloropropane	52	
74-97-5	Bromochloromethane	55	
67-66-3	Chloroform	50	
71-55-6	1,1,1-Trichloroethane	50	
563-58-6	1,1-Dichloropropene	56	
56-23-5	Carbon tetrachloride	53	
107-06-2	1,2-Dichloroethane	46	
71-43-2	Benzene	51	
79-01-6	Trichloroethene	57	
78-87-5	1,2-Dichloropropane	50	
74-95-3	Dibromomethane	50	
75-27-4	Bromodichloromethane	51	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	42	
108-88-3	Toluene	54	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	52	
142-28-9	1,3-Dichloropropane	45	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS-83536

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-83536

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2393.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	49	
591-78-6	2-Hexanone	45	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	48	
108-90-7	Chlorobenzene	50	
630-20-6	1,1,1,2-Tetrachloroethane	51	
100-41-4	Ethylbenzene	52	
179601-23-1	m,p-Xylene	100	
95-47-6	o-Xylene	51	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	52	
75-25-2	Bromoform	51	
98-82-8	Isopropylbenzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	42	
108-86-1	Bromobenzene	49	
96-18-4	1,2,3-Trichloropropane	39	
103-65-1	n-Propylbenzene	52	
95-49-8	2-Chlorotoluene	51	
108-67-8	1,3,5-Trimethylbenzene	49	
106-43-4	4-Chlorotoluene	51	
98-06-6	tert-Butylbenzene	53	
95-63-6	1,2,4-Trimethylbenzene	49	
135-98-8	sec-Butylbenzene	51	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	48	
104-51-8	n-Butylbenzene	45	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-chloropropane	39	
120-82-1	1,2,4-Trichlorobenzene	53	
87-68-3	Hexachlorobutadiene	54	
87-61-6	1,2,3-Trichlorobenzene	51	
91-20-3	Naphthalene	50	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-83536

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-83536

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2397.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	1.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
108-05-4	Vinyl acetate	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MB-83536

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-83536

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2397.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
179601-23-1	m,p-Xylene	1.0	U
95-47-6	o-Xylene	1.0	U
1330-20-7	Xylene (Total)	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MB-83536

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-83536

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2397.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EPA SAMPLE NO.
MW-13-110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2405.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13-110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2405.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-13-110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2405.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4R_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2406.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	1.8	J
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	30	
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	1.1	J
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	17	
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

EPA SAMPLE NO.
MW-4R_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2406.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	130	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4R_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2406.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11R_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2407.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2407.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-11R_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2407.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2408.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

EPA SAMPLE NO.
MW-14_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2408.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-14_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2408.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

EPA SAMPLE NO.
DUP-1_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2409.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	1.8	J
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	30	
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	1.1	J
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	16	
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2409.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	130	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP-1_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2409.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2404.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2404.D

Level: (TRACE/LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB_110515

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: P1622-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V8E2404.D

Level: (TRACE or LOW/MED) LOW Date Received: 11/06/2015

% Moisture: not dec. Date Analyzed: 11/12/2015

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

[1]EPA-designated Registry Number.

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-83536	100	97	94	99				0
02	MB-83536	102	99	94	99				0
03	TB_110515	101	101	93	97				0
04	MW-13-110515	101	98	93	100				0
05	MW-4R_110515	100	102	92	98				0
06	MW-11R_110515	98	100	93	100				0
07	MW-14_110515	101	101	94	99				0
08	DUP-1_110515	102	102	93	100				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

som15.09.23.1015

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-83536

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Lab Sample ID: LCS-83536 LCS Lot No.:

Date Extracted: 11/12/2015 Date Analyzed (1): 11/12/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	48.3966	97		30 - 155
Chloromethane	50.0000	0.0000	48.3877	97		40 - 125
Vinyl chloride	50.0000	0.0000	49.1755	98		50 - 145
Bromomethane	50.0000	0.0000	62.9600	126		30 - 145
Chloroethane	50.0000	0.0000	46.4454	93		60 - 135
Trichlorofluoromethane	50.0000	0.0000	49.5001	99		60 - 145
1,1-Dichloroethene	50.0000	0.0000	53.3428	107		70 - 130
Acetone	50.0000	0.0000	67.7867	136		40 - 140
Iodomethane	50.0000	0.0000	63.1507	126	*	72 - 121
Carbon disulfide	50.0000	0.0000	52.1318	104		35 - 160
Methylene chloride	50.0000	0.0000	51.5515	103		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	54.4192	109		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	48.5145	97		65 - 125
1,1-Dichloroethane	50.0000	0.0000	48.9134	98		70 - 135
Vinyl acetate	50.0000	0.0000	45.7029	91		38 - 163
2-Butanone	50.0000	0.0000	55.5017	111		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	52.1400	104		70 - 125
2,2-Dichloropropane	50.0000	0.0000	52.4948	105		70 - 135
Bromochloromethane	50.0000	0.0000	55.0786	110		65 - 130
Chloroform	50.0000	0.0000	49.7580	100		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	50.4780	101		65 - 130
1,1-Dichloropropene	50.0000	0.0000	56.4768	113		75 - 130
Carbon tetrachloride	50.0000	0.0000	53.3298	107		65 - 140
1,2-Dichloroethane	50.0000	0.0000	46.1153	92		70 - 130
Benzene	50.0000	0.0000	51.0366	102		80 - 120
Trichloroethene	50.0000	0.0000	56.6118	113		70 - 125
1,2-Dichloropropane	50.0000	0.0000	49.8254	100		75 - 125
Dibromomethane	50.0000	0.0000	50.4483	101		75 - 125
Bromodichloromethane	50.0000	0.0000	51.0476	102		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	52.7573	106		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	41.9234	84		60 - 135
Toluene	50.0000	0.0000	53.8574	108		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	53.0683	106		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	51.8194	104		75 - 125
1,3-Dichloropropane	50.0000	0.0000	45.4962	91		75 - 125
Tetrachloroethene	50.0000	0.0000	49.0070	98		45 - 150
2-Hexanone	50.0000	0.0000	44.8988	90		55 - 130
Dibromochloromethane	50.0000	0.0000	49.4120	99		60 - 135
1,2-Dibromoethane	50.0000	0.0000	47.6254	95		80 - 120
Chlorobenzene	50.0000	0.0000	50.2448	100		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	51.0359	102		80 - 130
Ethylbenzene	50.0000	0.0000	51.8422	104		75 - 125
m,p-Xylene	100.0000	0.0000	103.6009	104		75 - 130
o-Xylene	50.0000	0.0000	50.9619	102		80 - 120

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
LCS-83536

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Lab Sample ID: LCS-83536 LCS Lot No.:

Date Extracted: 11/12/2015 Date Analyzed (1): 11/12/2015

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	154.5629	103		81 - 121
Styrene	50.0000	0.0000	51.7896	104		65 - 135
Bromoform	50.0000	0.0000	50.7485	101		70 - 130
Isopropylbenzene	50.0000	0.0000	51.7886	104		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	41.5069	83		65 - 130
Bromobenzene	50.0000	0.0000	48.9783	98		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	39.1662	78		75 - 125
n-Propylbenzene	50.0000	0.0000	51.7999	104		70 - 130
2-Chlorotoluene	50.0000	0.0000	50.5146	101		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	49.2497	98		75 - 130
4-Chlorotoluene	50.0000	0.0000	50.5414	101		75 - 130
tert-Butylbenzene	50.0000	0.0000	53.1273	106		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	49.4799	99		75 - 130
sec-Butylbenzene	50.0000	0.0000	51.1788	102		70 - 125
4-Isopropyltoluene	50.0000	0.0000	52.0253	104		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	49.5931	99		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	48.0956	96		75 - 125
n-Butylbenzene	50.0000	0.0000	45.1317	90		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	49.0286	98		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	39.1018	78		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	53.1583	106		65 - 135
Hexachlorobutadiene	50.0000	0.0000	53.7678	108		50 - 140
1,2,3-Trichlorobenzene	50.0000	0.0000	50.9534	102		55 - 140
Naphthalene	50.0000	0.0000	49.8640	100		55 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 68 outside limits

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
MB-83536

Lab Name: EUROFINS SPECTRUM ANALYTICAL, INC. Contract:

Lab Code: ESAI-RI Case No.: P1622 Mod. Ref No.: SDG No.: SP1622

Lab File ID: V8E2397.D Lab Sample ID: MB-83536

Instrument ID: V10

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/12/2015

Level: (TRACE or LOW/MED) LOW Time Analyzed: 12:31

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-83536	LCS-83536	V8E2393.D	10:37
02	TB_110515	P1622-06A	V8E2404.D	15:53
03	MW-13-110515	P1622-01A	V8E2405.D	16:22
04	MW-4R_110515	P1622-02A	V8E2406.D	16:50
05	MW-11R_110515	P1622-03A	V8E2407.D	17:19
06	MW-14_110515	P1622-04A	V8E2408.D	17:48
07	DUP-1_110515	P1622-05A	V8E2409.D	18:16

COMMENTS:

som15.09.23.1015

Last Page of Data Report