

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046821.D
 Acq On : 21 Sep 2015 21:35
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 12:41:36 PM

Quant Time: Sep 22 03:42:06 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	258784	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.41	114	333257	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	274867	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	129712	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	122626	45.58	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	91.16%	
35) Dibromofluoromethane	6.19	113	131587	50.47	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	100.94%	
50) Toluene-d8	9.60	98	419331	50.98	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.83	95	144427	43.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	87.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.42	85	105415	44.26	ug/l	99
3) Chlorodifluoromethane	1.43	51	98065	50.03	ug/l	99
4) Chloromethane	1.58	50	77082	50.53	ug/l	98
5) Vinyl Chloride	1.67	62	69041	48.19	ug/l	99
6) Bromomethane	1.97	94	61198	49.27	ug/l	96
7) Chloroethane	2.08	64	40187	44.81	ug/l	98
8) Trichlorofluoromethane	2.32	101	166012	39.17	ug/l	97
9) Diethyl Ether	2.62	74	39918	53.13	ug/l	94
10) 1,1,2-Trichlorotrifluoroet	2.88	101	128453	48.44	ug/l	96
11) Methyl Iodide	3.04	142	148173	47.91	ug/l	95
12) Tert butyl alcohol	3.68	59	16622	181.47	ug/l #	89
13) 1,1-Dichloroethene	2.87	96	105719	50.99	ug/l	90
14) Acrolein	2.77	56	37171	270.42	ug/l	87
15) Allyl chloride	3.32	41	236429	56.17	ug/l	96
16) Acrylonitrile	3.82	53	92560	294.62	ug/l	98
17) Acetone	2.93	43	98656	217.01	ug/l	98
18) Carbon Disulfide	3.11	76	381455	49.11	ug/l	98
19) Methyl Acetate	3.32	43	148758	56.48	ug/l	97
20) Methyl tert-butyl Ether	3.88	73	166297	51.20	ug/l	96
21) Methylene Chloride	3.49	84	126741	51.34	ug/l	93
22) trans-1,2-Dichloroethene	3.87	96	121954	52.16	ug/l	95
23) Diisopropyl ether	4.63	45	410080	58.68	ug/l	96
24) Vinyl Acetate	4.58	43	439952m	267.46	ug/l	
25) 1,1-Dichloroethane	4.54	63	223104	51.83	ug/l	99
26) 2-Butanone	5.43	43	139187	272.41	ug/l	96
27) 2,2-Dichloropropane	5.41	77	189785	42.91	ug/l	94
28) cis-1,2-Dichloroethene	5.41	96	132198	54.31	ug/l	92
29) Bromochloromethane	5.78	49	93424	55.08	ug/l	97
30) Chloroform	5.95	83	245372	46.99	ug/l	99
31) Cyclohexane	6.26	56	206592	51.15	ug/l	97
32) 1,1,1-Trichloroethane	6.17	97	201623	43.37	ug/l	100
36) 1,1-Dichloropropene	6.42	75	187177	48.06	ug/l	98
37) Ethyl Acetate	5.53	43	67082	53.62	ug/l	96
38) Carbon Tetrachloride	6.40	117	171049	42.26	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	205674	52.12	µg/l	99
40) Benzene	6.70	78	494221	49.71	µg/l	97
41) Methacrylonitrile	5.75	41	42139	60.05	µg/l #	94
42) 1,2-Dichloroethane	6.82	62	139664	45.23	µg/l	100
43) Isopropyl Acetate	8.40	43	93067	56.43	µg/l	93
44) Trichloroethene	7.73	130	124175	49.89	µg/l	99
45) 1,2-Dichloropropane	8.13	63	124023	50.35	µg/l	93
46) Dibromomethane	8.25	93	65953	47.16	µg/l	96
47) Bromodichloromethane	8.55	83	168662	45.95	µg/l	98
48) Methyl methacrylate	8.06	41	137284	54.45	µg/l	97
49) 1,4-Dioxane	8.28	88	9534	1022.23	µg/l #	88
51) 4-Methyl-2-Pentanone	9.46	43	330981	277.76	µg/l	96
52) Toluene	9.70	92	293935	47.93	µg/l	99
53) t-1,3-Dichloropropene	10.10	75	131727	48.60	µg/l	96
54) cis-1,3-Dichloropropene	9.22	75	171734	49.20	µg/l	96
55) 1,1,2-Trichloroethane	10.38	97	73214	46.11	µg/l	97
56) Ethyl methacrylate	10.22	69	75666	46.25	µg/l	97
57) 1,3-Dichloropropane	10.60	76	135715	45.96	µg/l	98
58) 2-Chloroethyl Vinyl ether	9.02	63	201698	257.42	µg/l	100
59) 2-Hexanone	10.69	43	214650	249.34	µg/l	95
60) Dibromochloromethane	10.87	129	99167	45.51	µg/l	100
61) 1,2-Dibromoethane	11.01	107	70591	45.03	µg/l	96
64) Tetrachloroethene	10.46	164	116817	52.63	µg/l	95
65) Chlorobenzene	11.59	112	284949	49.25	µg/l	99
66) 1,1,1,2-Tetrachloroethane	11.71	131	103963	48.93	µg/l	97
67) Ethyl Benzene	11.72	91	589744	50.74	µg/l	98
68) m/p-Xylenes	11.87	106	378439	103.23	µg/l	96
69) o-Xylene	12.28	106	172150	52.16	µg/l	100
70) Styrene	12.30	104	289124	50.53	µg/l	99
71) Bromoform	12.49	173	53437	47.22	µg/l	95
73) Isopropylbenzene	12.66	105	509605	55.73	µg/l	96
74) N-amyl acetate	12.50	43	117482	50.99	µg/l	98
75) 1,1,2,2-Tetrachloroethane	12.97	83	75260	51.00	µg/l	91
76) 1,2,3-Trichloropropane	13.02	75	81533	51.65	µg/l	95
77) Bromobenzene	12.96	156	120740	52.51	µg/l	83
78) n-propylbenzene	13.07	91	689383	53.39	µg/l	98
79) 2-Chlorotoluene	13.15	91	376085	52.46	µg/l	100
80) 1,3,5-Trimethylbenzene	13.24	105	390798	53.63	µg/l	100
81) trans-1,4-Dichloro-2-buten	12.72	75	21318	49.14	µg/l	89
82) 4-Chlorotoluene	13.27	91	437164	51.23	µg/l	100
83) tert-Butylbenzene	13.52	119	360805m	54.92	µg/l	
84) 1,2,4-Trimethylbenzene	13.58	105	389425	53.09	µg/l	99
85) sec-Butylbenzene	13.72	105	506974	52.50	µg/l	94
86) p-Isopropyltoluene	13.86	119	396030	52.18	µg/l	98
87) 1,3-Dichlorobenzene	13.83	146	218619	50.96	µg/l	97
88) 1,4-Dichlorobenzene	13.93	146	212372	49.78	µg/l	99
89) n-Butylbenzene	14.20	91	445961	52.05	µg/l	100
90) Hexachloroethane	14.47	117	86032	48.90	µg/l	95
91) 1,2-Dichlorobenzene	14.23	146	180983	50.22	µg/l	96
92) 1,2-Dibromo-3-Chloropropan	14.87	75	9066	47.81	µg/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.56	180	108443	52.26	ug/l	96
94) Hexachlorobutadiene	15.67	225	82222	48.13	ug/l	98
95) Naphthalene	15.81	128	147322	53.46	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	90177	52.00	ug/l	96

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

