

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064217.D
 Acq On : 15 Nov 2019 10:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:23:01 PM

Quant Time: Nov 16 05:30:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	680006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	974143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	401264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	286574	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.91	113	286109	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.34	98	1056950	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.64	95	357243	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	307191	54.469	ug/l	97
3) Chloromethane	2.21	50	329666	54.496	ug/l	99
4) Vinyl Chloride	2.35	62	378712	58.543	ug/l	99
5) Bromomethane	2.77	94	231002	56.550	ug/l	93
6) Chloroethane	2.92	64	245977	59.507	ug/l	96
7) Trichlorofluoromethane	3.27	101	621501	59.257	ug/l	98
8) Diethyl Ether	3.70	74	150483	52.181	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	318404	53.115	ug/l	97
10) Methyl Iodide	4.29	142	348740	50.924	ug/l	99
11) Tert butyl alcohol	5.24	59	113338	290.148	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	300845	52.651	ug/l	94
13) Acrolein	3.92	56	105967	320.668	ug/l	99
14) Allyl chloride	4.71	41	521986	51.668	ug/l	97
15) Acrylonitrile	5.43	53	323202	262.890	ug/l	100
16) Acetone	4.16	43	337467	254.711	ug/l	98
17) Carbon Disulfide	4.40	76	912775	51.296	ug/l	98
18) Methyl Acetate	4.72	43	184552	49.872	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	712688	52.247	ug/l	98
20) Methylene Chloride	4.96	84	312949	46.761	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	336839	52.032	ug/l	97
22) Diisopropyl ether	6.37	45	972724	51.893	ug/l	97
23) Vinyl Acetate	6.30	43	2865567	274.247	ug/l	99
24) 1,1-Dichloroethane	6.26	63	570051	52.376	ug/l	99
25) 2-Butanone	7.22	43	440928	257.596	ug/l	99
26) 2,2-Dichloropropane	7.20	77	554256	51.928	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	361424	52.061	ug/l	97
28) Bromochloromethane	7.54	49	206232	54.426	ug/l	99
29) Tetrahydrofuran	7.57	42	268355	260.938	ug/l	99
30) Chloroform	7.71	83	589885	52.985	ug/l	99
31) Cyclohexane	7.98	56	539905	49.187	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	560524	52.581	ug/l	99
36) 1,1-Dichloropropene	8.11	75	466040	51.837	ug/l	100
37) Ethyl Acetate	7.30	43	188543	49.745	ug/l	100
38) Carbon Tetrachloride	8.09	117	507494	52.754	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	569009	50.017	ug/l	98
40) Benzene	8.35	78	1247122	50.756	ug/l	99
41) Methacrylonitrile	7.53	41	124385	52.214	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	377975	51.218	ug/l	99
43) Isopropyl Acetate	8.46	43	393333	50.367	ug/l	99
44) Trichloroethene	9.11	130	377626	51.206	ug/l	99
45) 1,2-Dichloropropane	9.38	63	300751	50.288	ug/l	99
46) Dibromomethane	9.48	93	162119	50.635	ug/l	99
47) Bromodichloromethane	9.67	83	442371	51.294	ug/l	99
48) Methyl methacrylate	9.46	41	180505	47.270	ug/l	96
49) 1,4-Dioxane	9.47	88	39845	1036.207	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	942767	251.746	ug/l	99
52) Toluene	10.40	92	815603	50.480	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	432370	50.042	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	509284	50.513	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	223237	51.397	ug/l	94
56) Ethyl methacrylate	10.66	69	309279	50.903	ug/l	96
57) 1,3-Dichloropropane	10.95	76	388469	51.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	612981	249.061	ug/l	100
59) 2-Hexanone	10.99	43	659400	247.495	ug/l	99
60) Dibromochloromethane	11.14	129	304152	50.185	ug/l	99
61) 1,2-Dibromoethane	11.25	107	218606	50.250	ug/l	99
64) Tetrachloroethene	10.88	164	323550	51.168	ug/l	99
65) Chlorobenzene	11.67	112	862397	51.582	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	330263	51.950	ug/l	99
67) Ethyl Benzene	11.75	91	1578297	52.189	ug/l	98
68) m/p-Xylenes	11.86	106	1206785	104.107	ug/l	100
69) o-Xylene	12.18	106	554507	51.579	ug/l	100
70) Styrene	12.20	104	953728	50.822	ug/l	98
71) Bromoform	12.37	173	190142	52.555	ug/l	98
73) Isopropylbenzene	12.48	105	1518452	51.556	ug/l	99
74) N-amyl acetate	12.30	43	352981	50.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	234515	52.843	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	180837m	55.951	ug/l	
77) Bromobenzene	12.77	156	366769	51.258	ug/l	99
78) n-propylbenzene	12.83	91	1751439	52.049	ug/l	99
79) 2-Chlorotoluene	12.91	91	960493	50.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1230305	50.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	81566	50.130	ug/l	96
82) 4-Chlorotoluene	13.01	91	1028586	51.908	ug/l	99
83) tert-Butylbenzene	13.23	119	1098458	51.474	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1223917	51.225	ug/l	100
85) sec-Butylbenzene	13.41	105	1482912	51.738	ug/l	99
86) p-Isopropyltoluene	13.52	119	1411032	51.784	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	680896	51.263	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	668906	51.600	ug/l	99
89) n-Butylbenzene	13.85	91	1288169	52.327	ug/l	99
90) Hexachloroethane	14.12	117	263293	52.284	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	578450	51.453	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39315	49.547	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	440179	50.756	ug/l	99
94) Hexachlorobutadiene	15.28	225	286077	51.071	ug/l	98
95) Naphthalene	15.41	128	729462	51.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	372364	50.512	ug/l	99

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

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