

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065182.D
 Acq On : 13 Feb 2020 17:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:17:59 PM

Quant Time: Feb 14 07:45:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	445591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	656685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	595791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206909	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
35) Dibromofluoromethane	7.92	113	210685	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
50) Toluene-d8	10.34	98	812896	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
62) 4-Bromofluorobenzene	12.64	95	257170	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	181963	49.072	ug/l	98
3) Chloromethane	2.21	50	233852	53.575	ug/l	96
4) Vinyl Chloride	2.35	62	236350	51.199	ug/l	100
5) Bromomethane	2.77	94	140646	46.989	ug/l	98
6) Chloroethane	2.92	64	150638	52.606	ug/l	98
7) Trichlorofluoromethane	3.27	101	344525	51.284	ug/l	98
8) Diethyl Ether	3.71	74	103196	53.508	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	214142	52.142	ug/l	98
10) Methyl Iodide	4.29	142	234291	49.981	ug/l	98
11) Tert butyl alcohol	5.24	59	56533	244.319	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	198675	50.511	ug/l	99
13) Acrolein	3.93	56	78549	275.995	ug/l	99
14) Allyl chloride	4.71	41	348076	53.246	ug/l	97
15) Acrylonitrile	5.43	53	234968	278.674	ug/l	99
16) Acetone	4.17	43	234010	247.145	ug/l	97
17) Carbon Disulfide	4.40	76	645644	51.124	ug/l	98
18) Methyl Acetate	4.73	43	110794	56.006	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	458268	52.687	ug/l	97
20) Methylene Chloride	4.96	84	232007	56.132	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	234752	52.752	ug/l	99
22) Diisopropyl ether	6.37	45	696403	56.478	ug/l	98
23) Vinyl Acetate	6.31	43	1937577	281.920	ug/l	100
24) 1,1-Dichloroethane	6.27	63	403315	54.039	ug/l	98
25) 2-Butanone	7.22	43	317377	281.000	ug/l	96
26) 2,2-Dichloropropane	7.21	77	346021	51.725	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	255881	54.125	ug/l	97
28) Bromochloromethane	7.55	49	162269	57.355	ug/l	100
29) Tetrahydrofuran	7.57	42	194846	285.271	ug/l	98
30) Chloroform	7.71	83	406458	54.695	ug/l	99
31) Cyclohexane	7.98	56	372241	49.409	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	365560	52.807	ug/l	98
36) 1,1-Dichloropropene	8.11	75	324873	53.204	ug/l	99
37) Ethyl Acetate	7.30	43	137978	55.311	ug/l	99
38) Carbon Tetrachloride	8.10	117	324284	51.998	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	388047	51.486	ug/l	98
40) Benzene	8.36	78	921205	54.632	ug/l	100
41) Methacrylonitrile	7.53	41	76651m	55.774	ug/l	
42) 1,2-Dichloroethane	8.43	62	256982	53.486	ug/l	98
43) Isopropyl Acetate	8.46	43	256906	53.836	ug/l	100
44) Trichloroethene	9.11	130	252739	52.219	ug/l	100
45) 1,2-Dichloropropane	9.39	63	230788	57.085	ug/l	97
46) Dibromomethane	9.48	93	119586	56.291	ug/l	96
47) Bromodichloromethane	9.67	83	313550	56.015	ug/l	99
48) Methyl methacrylate	9.46	41	121639	52.972	ug/l	95
49) 1,4-Dioxane	9.47	88	29732	1181.609	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	670917	285.637	ug/l	100
52) Toluene	10.41	92	590654	54.883	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	299051	54.871	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	357096	54.784	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	162465	55.754	ug/l	94
56) Ethyl methacrylate	10.67	69	205348	55.696	ug/l	99
57) 1,3-Dichloropropane	10.95	76	284092	55.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	299398	251.440	ug/l	100
59) 2-Hexanone	10.99	43	476788	286.576	ug/l	99
60) Dibromochloromethane	11.15	129	210384	55.741	ug/l	97
61) 1,2-Dibromoethane	11.25	107	158023	55.500	ug/l	99
64) Tetrachloroethene	10.88	164	213630	49.901	ug/l	98
65) Chlorobenzene	11.68	112	615699	53.430	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	230454	54.185	ug/l	98
67) Ethyl Benzene	11.75	91	1112932	53.159	ug/l	99
68) m/p-Xylenes	11.86	106	853275	106.783	ug/l	99
69) o-Xylene	12.18	106	381631	53.035	ug/l	100
70) Styrene	12.20	104	683377	54.642	ug/l	100
71) Bromoform	12.37	173	126964	55.462	ug/l #	99
73) Isopropylbenzene	12.48	105	1043735	51.189	ug/l	100
74) N-amyl acetate	12.30	43	233656	52.722	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172614	53.790	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	123305m	54.823	ug/l	
77) Bromobenzene	12.77	156	248644	50.614	ug/l	98
78) n-propylbenzene	12.83	91	1240613	51.956	ug/l	100
79) 2-Chlorotoluene	12.91	91	686711	51.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	855814	51.305	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58981	52.446	ug/l	98
82) 4-Chlorotoluene	13.01	91	718485	51.398	ug/l	100
83) tert-Butylbenzene	13.23	119	708450	49.228	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	856955	51.747	ug/l	99
85) sec-Butylbenzene	13.41	105	1015977	51.689	ug/l	100
86) p-Isopropyltoluene	13.53	119	953006	52.184	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	477744	51.941	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	466813	50.993	ug/l	99
89) n-Butylbenzene	13.86	91	878999	52.147	ug/l	100
90) Hexachloroethane	14.12	117	183826	53.158	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	409483	51.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26910	51.370	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278710	49.497	ug/l	100
94) Hexachlorobutadiene	15.28	225	167505	48.380	ug/l	99
95) Naphthalene	15.41	128	466576	49.853	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	238875	49.596	ug/l	100

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

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