

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065247.D
 Acq On : 20 Feb 2020 10:27
 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
 2/21/2020 3:22:46 PM

Quant Time: Feb 21 04:16:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	529931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	219017	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	7.92	113	230193	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.34	98	918654	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	282177	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	245537	55.242	ug/l	97
3) Chloromethane	2.21	50	285136	50.401	ug/l	97
4) Vinyl Chloride	2.36	62	291135	50.608	ug/l	96
5) Bromomethane	2.77	94	164548	47.307	ug/l	95
6) Chloroethane	2.93	64	173611	49.441	ug/l	99
7) Trichlorofluoromethane	3.27	101	414479	50.324	ug/l	97
8) Diethyl Ether	3.71	74	117220	47.150	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	266070	51.156	ug/l	99
10) Methyl Iodide	4.30	142	306407	56.739	ug/l	100
11) Tert butyl alcohol	5.24	59	56106	196.949	ug/l	98
12) 1,1-Dichloroethene	4.07	96	248948	50.669	ug/l	97
13) Acrolein	3.93	56	94166	272.485	ug/l	99
14) Allyl chloride	4.71	41	407027	51.014	ug/l	99
15) Acrylonitrile	5.43	53	251137	228.164	ug/l	99
16) Acetone	4.17	43	306029	262.604	ug/l	96
17) Carbon Disulfide	4.40	76	845717	51.342	ug/l	98
18) Methyl Acetate	4.72	43	115206	43.955	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	493313	48.148	ug/l	97
20) Methylene Chloride	4.97	84	273595	53.015	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	287436	51.461	ug/l	97
22) Diisopropyl ether	6.37	45	778229	50.596	ug/l	99
23) Vinyl Acetate	6.31	43	2104907	248.234	ug/l	100
24) 1,1-Dichloroethane	6.27	63	469816	49.245	ug/l	98
25) 2-Butanone	7.22	43	341333	231.500	ug/l	98
26) 2,2-Dichloropropane	7.21	77	416408	50.306	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	295781	49.993	ug/l	99
28) Bromochloromethane	7.55	49	183592	51.871	ug/l	100
29) Tetrahydrofuran	7.57	42	195881	226.738	ug/l	99
30) Chloroform	7.71	83	475659	49.488	ug/l	94
31) Cyclohexane	7.98	56	469300	50.066	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	434165	50.486	ug/l	100
36) 1,1-Dichloropropene	8.11	75	396012	53.981	ug/l	100
37) Ethyl Acetate	7.30	43	140857	45.929	ug/l	99
38) Carbon Tetrachloride	8.10	117	395603	52.972	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	486412	56.398	ug/l	100
40) Benzene	8.36	78	1103926	53.312	ug/l	99
41) Methacrylonitrile	7.53	41	94903	53.594	ug/l	89
42) 1,2-Dichloroethane	8.43	62	282068	49.549	ug/l	100
43) Isopropyl Acetate	8.46	43	260691	46.744	ug/l	97
44) Trichloroethene	9.11	130	306264	53.357	ug/l	99
45) 1,2-Dichloropropane	9.39	63	267216	51.897	ug/l	97
46) Dibromomethane	9.48	93	134701	50.845	ug/l	98
47) Bromodichloromethane	9.67	83	355835	50.967	ug/l	98
48) Methyl methacrylate	9.46	41	140005	54.311	ug/l	93
49) 1,4-Dioxane	9.47	88	29227	940.629	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	676463	238.811	ug/l	100
52) Toluene	10.41	92	705598	55.051	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	332639	51.401	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	410028	52.470	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	183548	49.224	ug/l	97
56) Ethyl methacrylate	10.67	69	217768	50.598	ug/l	98
57) 1,3-Dichloropropane	10.96	76	318109	50.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	295907	218.076	ug/l	100
59) 2-Hexanone	10.99	43	526869	259.835	ug/l	98
60) Dibromochloromethane	11.14	129	237108	49.681	ug/l	99
61) 1,2-Dibromoethane	11.25	107	177987	50.414	ug/l	99
64) Tetrachloroethene	10.88	164	260961	53.564	ug/l	97
65) Chlorobenzene	11.68	112	717960	52.083	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	260198	50.581	ug/l	100
67) Ethyl Benzene	11.75	91	1299275	53.816	ug/l	99
68) m/p-Xylenes	11.86	106	1009357	109.275	ug/l	99
69) o-Xylene	12.19	106	453209	55.381	ug/l	98
70) Styrene	12.20	104	793643	54.624	ug/l	100
71) Bromoform	12.37	173	137234	48.076	ug/l #	98
73) Isopropylbenzene	12.48	105	1236653	56.167	ug/l	100
74) N-amyl acetate	12.30	43	234140	47.858	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	189274	47.632	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	133863m	47.309	ug/l	
77) Bromobenzene	12.77	156	286007	52.312	ug/l	99
78) n-propylbenzene	12.83	91	1469507	55.540	ug/l	99
79) 2-Chlorotoluene	12.91	91	802440	54.137	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1010161	55.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	62345	47.574	ug/l	97
82) 4-Chlorotoluene	13.01	91	833882	52.992	ug/l	98
83) tert-Butylbenzene	13.23	119	875761	57.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1001391	55.171	ug/l	99
85) sec-Butylbenzene	13.41	105	1214903	55.474	ug/l	100
86) p-Isopropyltoluene	13.53	119	1127929	56.318	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	548990	51.941	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	538607	51.633	ug/l	99
89) n-Butylbenzene	13.86	91	1040400	56.374	ug/l	100
90) Hexachloroethane	14.12	117	213322	52.457	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	463178	51.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27943	45.632	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	316786	53.364	ug/l	99
94) Hexachlorobutadiene	15.28	225	206786	54.303	ug/l	100
95) Naphthalene	15.41	128	497655	51.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	266225	51.350	ug/l	98

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

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