

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065141.D
 Acq On : 11 Feb 2020 10:32
 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
 2/12/2020 3:12:41 PM

Quant Time: Feb 12 07:07:01 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	469234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	607017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	222597	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
35) Dibromofluoromethane	7.92	113	226115	60.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.54%	
50) Toluene-d8	10.34	98	897646	60.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.22%	
62) 4-Bromofluorobenzene	12.64	95	276555	58.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	206065	52.772	ug/l	99
3) Chloromethane	2.21	50	253249	55.095	ug/l	96
4) Vinyl Chloride	2.35	62	263571	54.219	ug/l	100
5) Bromomethane	2.77	94	158860	50.400	ug/l	98
6) Chloroethane	2.93	64	163691	54.284	ug/l	98
7) Trichlorofluoromethane	3.27	101	383034	54.143	ug/l	95
8) Diethyl Ether	3.71	74	101743	50.097	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	223963	51.785	ug/l	98
10) Methyl Iodide	4.29	142	243255	49.279	ug/l	97
11) Tert butyl alcohol	5.25	59	57462	235.822	ug/l	99
12) 1,1-Dichloroethene	4.07	96	212982	51.420	ug/l	96
13) Acrolein	3.93	56	61168	204.095	ug/l	96
14) Allyl chloride	4.71	41	354484	51.494	ug/l	98
15) Acrylonitrile	5.43	53	224399	252.730	ug/l	99
16) Acetone	4.16	43	283948	284.776	ug/l	98
17) Carbon Disulfide	4.40	76	697634	52.457	ug/l	99
18) Methyl Acetate	4.73	43	105465	50.626	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	454528	49.624	ug/l	97
20) Methylene Chloride	4.96	84	233916	53.560	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	246321	52.563	ug/l	96
22) Diisopropyl ether	6.37	45	695752	53.582	ug/l	96
23) Vinyl Acetate	6.31	43	1933434	267.143	ug/l	99
24) 1,1-Dichloroethane	6.27	63	421637	53.647	ug/l	99
25) 2-Butanone	7.23	43	323304	271.825	ug/l	100
26) 2,2-Dichloropropane	7.21	77	381348	54.133	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	260124	52.250	ug/l	99
28) Bromochloromethane	7.55	49	165301	55.483	ug/l	99
29) Tetrahydrofuran	7.57	42	187200	260.267	ug/l	98
30) Chloroform	7.71	83	422910	54.041	ug/l	99
31) Cyclohexane	7.98	56	399227	50.321	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	393006	53.912	ug/l	99
36) 1,1-Dichloropropene	8.11	75	343610	54.951	ug/l	99
37) Ethyl Acetate	7.30	43	132732	51.958	ug/l	99
38) Carbon Tetrachloride	8.10	117	352718	55.229	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	413937	53.631	ug/l	97
40) Benzene	8.36	78	971395	56.255	ug/l	99
41) Methacrylonitrile	7.53	41	74027m	52.599	ug/l	
42) 1,2-Dichloroethane	8.43	62	263985	53.654	ug/l	98
43) Isopropyl Acetate	8.46	43	250271	51.214	ug/l	99
44) Trichloroethene	9.11	130	263109	53.085	ug/l	100
45) 1,2-Dichloropropane	9.39	63	234887	56.735	ug/l	98
46) Dibromomethane	9.48	93	120679	55.471	ug/l	98
47) Bromodichloromethane	9.67	83	321390	56.067	ug/l	97
48) Methyl methacrylate	9.46	41	119334	50.748	ug/l	98
49) 1,4-Dioxane	9.47	88	27831	1080.085	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	656646	272.996	ug/l	100
52) Toluene	10.41	92	616560	55.945	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	303282	54.341	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	364625	54.625	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	165565	55.484	ug/l	96
56) Ethyl methacrylate	10.67	69	205512	54.431	ug/l	98
57) 1,3-Dichloropropane	10.96	76	286855	54.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	314288	258.263	ug/l	100
59) 2-Hexanone	10.99	43	515482	302.557	ug/l	100
60) Dibromochloromethane	11.14	129	218564	56.548	ug/l	99
61) 1,2-Dibromoethane	11.25	107	158912	54.501	ug/l	99
64) Tetrachloroethene	10.88	164	230771	52.908	ug/l	96
65) Chlorobenzene	11.68	112	633756	53.980	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	237949	54.913	ug/l	99
67) Ethyl Benzene	11.75	91	1164936	54.614	ug/l	98
68) m/p-Xylenes	11.86	106	895385	109.981	ug/l	100
69) o-Xylene	12.19	106	400734	54.660	ug/l	99
70) Styrene	12.20	104	709064	55.648	ug/l	100
71) Bromoform	12.37	173	124932	53.565	ug/l #	99
73) Isopropylbenzene	12.48	105	1089166	52.748	ug/l	100
74) N-amyl acetate	12.30	43	224130	49.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	169810	52.253	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	120542m	52.923	ug/l	
77) Bromobenzene	12.77	156	254704	51.198	ug/l	99
78) n-propylbenzene	12.83	91	1299599	53.744	ug/l	99
79) 2-Chlorotoluene	12.91	91	710928	52.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	890062	52.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	60066	52.741	ug/l	97
82) 4-Chlorotoluene	13.01	91	747244	52.786	ug/l	99
83) tert-Butylbenzene	13.23	119	747860	51.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	887520	52.921	ug/l	100
85) sec-Butylbenzene	13.41	105	1065333	53.521	ug/l	99
86) p-Isopropyltoluene	13.53	119	990648	53.566	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	490442	52.653	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	481833	51.974	ug/l	99
89) n-Butylbenzene	13.85	91	916087	53.667	ug/l	100
90) Hexachloroethane	14.12	117	191057	54.556	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	413123	51.781	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26159	49.310	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	280273	49.151	ug/l	99
94) Hexachlorobutadiene	15.28	225	174757	49.842	ug/l	100
95) Naphthalene	15.41	128	453083	47.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	239271	49.055	ug/l	100

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

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