

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020521\
 Data File : VD068309.D
 Acq On : 05 Feb 2021 19:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/8/2021 11:51:32 AM

Quant Time: Feb 05 21:45:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	393515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	683185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	622741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	289141	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	165099	43.86	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.72%		
35) Dibromofluoromethane	7.920	113	182296	48.26	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.52%		
50) Toluene-d8	10.344	98	619879	41.03	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	82.06%		
62) 4-Bromofluorobenzene	12.632	95	229385	42.16	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.32%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	174849	37.40	ug/l	99
3) Chloromethane	2.209	50	203343	40.39	ug/l	98
4) Vinyl Chloride	2.350	62	252070	45.02	ug/l	99
5) Bromomethane	2.773	94	187314	48.78	ug/l	97
6) Chloroethane	2.926	64	170225	49.77	ug/l	100
7) Trichlorofluoromethane	3.279	101	323851	44.06	ug/l	94
8) Diethyl Ether	3.709	74	100564	46.47	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.103	101	193601	45.17	ug/l	96
10) Methyl Iodide	4.303	142	212663	44.59	ug/l	94
11) Tert butyl alcohol	5.226	59	62931	163.75	ug/l	98
12) 1,1-Dichloroethene	4.073	96	187918	43.59	ug/l	96
13) Acrolein	3.926	56	60326	203.36	ug/l	97
14) Allyl chloride	4.720	41	240549	38.36	ug/l	95
15) Acrylonitrile	5.426	53	204548	238.63	ug/l	100
16) Acetone	4.156	43	142414	211.88	ug/l	94
17) Carbon Disulfide	4.409	76	545070	39.25	ug/l	100
18) Methyl Acetate	4.720	43	86299	49.47	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	466842	46.84	ug/l	94
20) Methylene Chloride	4.967	84	235680	50.26	ug/l	98
21) trans-1,2-Dichloroethene	5.479	96	221467	44.75	ug/l	98
22) Diisopropyl ether	6.367	45	553482	43.74	ug/l	98
23) Vinyl Acetate	6.309	43	1490110	220.91	ug/l	98
24) 1,1-Dichloroethane	6.267	63	374310	45.65	ug/l	99
25) 2-Butanone	7.214	43	223115	220.45	ug/l	93
26) 2,2-Dichloropropane	7.214	77	319003	41.12	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	262432	48.84	ug/l	98
28) Bromochloromethane	7.550	49	125234	44.83	ug/l	87
29) Tetrahydrofuran	7.567	42	143682	219.00	ug/l	98
30) Chloroform	7.714	83	399429	48.21	ug/l	96
31) Cyclohexane	7.985	56	305994	37.54	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	338346	45.31	ug/l	96
36) 1,1-Dichloropropene	8.114	75	299860	43.52	ug/l	97
37) Ethyl Acetate	7.291	43	104558	42.90	ug/l	96
38) Carbon Tetrachloride	8.103	117	299691	46.47	ug/l	98
39) Methylcyclohexane	9.355	83	361575	40.14	ug/l	96
40) Benzene	8.356	78	882374	45.81	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	59670	40.57	ug/l	93
42) 1,2-Dichloroethane	8.426	62	245106	47.62	ug/l	99
43) Isopropyl Acetate	8.456	43	210377	41.42	ug/l	99
44) Trichloroethene	9.114	130	249951	47.25	ug/l	99
45) 1,2-Dichloropropane	9.391	63	214359	45.44	ug/l	96
46) Dibromomethane	9.479	93	119547	50.01	ug/l	95
47) Bromodichloromethane	9.667	83	313364	48.59	ug/l	99
48) Methyl methacrylate	9.461	41	97081	38.40	ug/l	82
49) 1,4-Dioxane	9.467	88	27163	969.74	ug/l #	90
51) 4-Methyl-2-Pentanone	10.232	43	529005	224.08	ug/l	100
52) Toluene	10.408	92	576472	45.93	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	293369	44.94	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	347701	44.74	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	169655	50.08	ug/l	93
56) Ethyl methacrylate	10.661	69	203256	45.05	ug/l	95
57) 1,3-Dichloropropane	10.950	76	285134	47.70	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.944	63	486362	233.57	ug/l	95
59) 2-Hexanone	10.985	43	352018	215.11	ug/l	98
60) Dibromochloromethane	11.144	129	210378	49.53	ug/l	100
61) 1,2-Dibromoethane	11.249	107	165134	49.41	ug/l	100
64) Tetrachloroethene	10.879	164	192920	43.95	ug/l	98
65) Chlorobenzene	11.673	112	621387	46.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	227954	48.98	ug/l	97
67) Ethyl Benzene	11.744	91	1114776	45.50	ug/l	97
68) m/p-Xylenes	11.855	106	838572	90.66	ug/l	100
69) o-Xylene	12.179	106	394134	45.88	ug/l	95
70) Styrene	12.196	104	675722	46.09	ug/l	99
71) Bromoform	12.361	173	119978	50.86	ug/l #	96
73) Isopropylbenzene	12.479	105	1047565	43.54	ug/l	100
74) N-amyl acetate	12.291	43	194094	38.81	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	182036	47.57	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	133760m	47.85	ug/l	
77) Bromobenzene	12.761	156	242821	47.08	ug/l	93
78) n-propylbenzene	12.820	91	1229912	43.21	ug/l	98
79) 2-Chlorotoluene	12.908	91	697609	43.65	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	866713	43.25	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	54893	39.73	ug/l	97
82) 4-Chlorotoluene	13.008	91	737324	44.37	ug/l	98
83) tert-Butylbenzene	13.220	119	744824	43.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	873970	43.94	ug/l	98
85) sec-Butylbenzene	13.402	105	1034681	43.56	ug/l	98
86) p-Isopropyltoluene	13.514	119	936712	43.36	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	464054	46.79	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	454884	46.55	ug/l	99
89) n-Butylbenzene	13.843	91	878438	42.37	ug/l	99
90) Hexachloroethane	14.108	117	171438	43.94	ug/l	92
91) 1,2-Dichlorobenzene	13.891	146	399538	47.03	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	27543	43.98	ug/l	90
93) 1,2,4-Trichlorobenzene	15.161	180	273075	46.89	ug/l	100
94) Hexachlorobutadiene	15.267	225	143567	44.47	ug/l	99
95) Naphthalene	15.396	128	508107	46.54	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	235047	47.85	ug/l	98

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

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