

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031721\
 Data File : VD068648.D
 Acq On : 17 Mar 2021 20:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 2:18:07 PM

Quant Time: Mar 18 00:58:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	197237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	350381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	333091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	191238	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.337	65	108560	55.09	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.18%			
35) Dibromofluoromethane	7.920	113	116541	55.21	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.42%			
50) Toluene-d8	10.343	98	425663	50.63	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.26%			
62) 4-Bromofluorobenzene	12.631	95	155858	57.52	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	87876	45.91	ug/l	92
3) Chloromethane	2.208	50	121640	50.29	ug/l	98
4) Vinyl Chloride	2.350	62	143672	50.02	ug/l	99
5) Bromomethane	2.767	94	103094	50.41	ug/l	99
6) Chloroethane	2.926	64	98847	53.22	ug/l	100
7) Trichlorofluoromethane	3.273	101	170760	52.12	ug/l	95
8) Diethyl Ether	3.714	74	53790	55.14	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	104199	52.20	ug/l	94
10) Methyl Iodide	4.302	142	106286	44.81	ug/l	95
11) Tert butyl alcohol	5.220	59	33149	315.05	ug/l #	88
12) 1,1-Dichloroethene	4.073	96	102289	51.64	ug/l	98
13) Acrolein	3.926	56	37480	249.23	ug/l	98
14) Allyl chloride	4.714	41	127993	50.05	ug/l	95
15) Acrylonitrile	5.420	53	123906	300.94	ug/l	99
16) Acetone	4.161	43	76966	245.88	ug/l	95
17) Carbon Disulfide	4.414	76	306898	47.29	ug/l	100
18) Methyl Acetate	4.720	43	49820	61.75	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	248432	57.85	ug/l #	90
20) Methylene Chloride	4.973	84	134710	58.23	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	131581	55.64	ug/l	99
22) Diisopropyl ether	6.373	45	309300	54.92	ug/l	93
23) Vinyl Acetate	6.308	43	818510	280.12	ug/l	100
24) 1,1-Dichloroethane	6.267	63	213515	55.31	ug/l	98
25) 2-Butanone	7.214	43	121454	269.92	ug/l	94
26) 2,2-Dichloropropane	7.214	77	174480	54.25	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	146611	56.47	ug/l	98
28) Bromochloromethane	7.549	49	88761	58.90	ug/l	85
29) Tetrahydrofuran	7.567	42	81411	278.63	ug/l	99
30) Chloroform	7.714	83	231766	56.85	ug/l	99
31) Cyclohexane	7.990	56	162445	45.33	ug/l	93
32) 1,1,1-Trichloroethane	7.908	97	195614	56.22	ug/l	98
36) 1,1-Dichloropropene	8.114	75	164849	49.50	ug/l	98
37) Ethyl Acetate	7.296	43	52100	47.15	ug/l	98
38) Carbon Tetrachloride	8.096	117	167591	53.55	ug/l	98
39) Methylcyclohexane	9.355	83	197733	48.14	ug/l	98
40) Benzene	8.355	78	506947	53.06	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	32073	50.00	ug/l	89
42) 1,2-Dichloroethane	8.426	62	141568	56.35	ug/l	98
43) Isopropyl Acetate	8.455	43	111742	55.02	ug/l	96
44) Trichloroethene	9.114	130	139397	53.16	ug/l	93
45) 1,2-Dichloropropane	9.390	63	126841	55.54	ug/l	95
46) Dibromomethane	9.479	93	70590	56.82	ug/l	95
47) Bromodichloromethane	9.661	83	184417	57.38	ug/l	97
48) Methyl methacrylate	9.455	41	54266	50.13	ug/l #	82
49) 1,4-Dioxane	9.467	88	15035	1061.08	ug/l	94
51) 4-Methyl-2-Pentanone	10.232	43	297143	279.59	ug/l	99
52) Toluene	10.408	92	329518	54.01	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	167613	56.43	ug/l	98
54) cis-1,3-Dichloropropene	10.090	75	200372	55.29	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	99208	57.70	ug/l	95
56) Ethyl methacrylate	10.661	69	112533	56.94	ug/l	96
57) 1,3-Dichloropropane	10.943	76	165657	55.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.943	63	275302	277.65	ug/l	96
59) 2-Hexanone	10.984	43	199465	281.58	ug/l	100
60) Dibromochloromethane	11.137	129	127066	59.70	ug/l	99
61) 1,2-Dibromoethane	11.249	107	95902	57.00	ug/l	99
64) Tetrachloroethene	10.879	164	110526	50.81	ug/l	94
65) Chlorobenzene	11.667	112	359516	53.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	135042	57.27	ug/l	98
67) Ethyl Benzene	11.743	91	645993	53.35	ug/l	94
68) m/p-Xylenes	11.855	106	497574	108.20	ug/l	100
69) o-Xylene	12.178	106	227973	53.83	ug/l	95
70) Styrene	12.196	104	407780	56.30	ug/l	98
71) Bromoform	12.361	173	71970	60.08	ug/l #	98
73) Isopropylbenzene	12.478	105	627314	44.23	ug/l	100
74) N-amyl acetate	12.284	43	109822	45.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.731	83	121265	49.70	ug/l	99
76) 1,2,3-Trichloropropane	12.778	75	80212m	47.25	ug/l	
77) Bromobenzene	12.761	156	158655	49.02	ug/l	96
78) n-propylbenzene	12.820	91	790671	46.65	ug/l	98
79) 2-Chlorotoluene	12.908	91	453873	48.25	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	557487	47.96	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.525	75	33098	45.50	ug/l	96
82) 4-Chlorotoluene	13.002	91	467028	47.19	ug/l	100
83) tert-Butylbenzene	13.220	119	460679	46.54	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	572191	49.15	ug/l	99
85) sec-Butylbenzene	13.396	105	684934	48.99	ug/l	98
86) p-Isopropyltoluene	13.514	119	656365	51.72	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	332375	53.17	ug/l	100
88) 1,4-Dichlorobenzene	13.590	146	321501	51.91	ug/l	100
89) n-Butylbenzene	13.837	91	614755	50.22	ug/l	97
90) Hexachloroethane	14.108	117	107210	42.50	ug/l	91
91) 1,2-Dichlorobenzene	13.884	146	284473	53.05	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	19782	45.99	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	200929	48.51	ug/l	99
94) Hexachlorobutadiene	15.261	225	107413	46.73	ug/l	99
95) Naphthalene	15.396	128	360407	48.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	173021	48.26	ug/l	97

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

