

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069924.D
 Acq On : 29 Jul 2021 21:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/30/2021 6:19:58 PM

Quant Time: Jul 30 00:59:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	538256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	976308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	982537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	457220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	323320	52.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.460%			
35) Dibromofluoromethane	7.914	113	322697	52.431	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.860%			
50) Toluene-d8	10.338	98	1228755	51.776	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.626	95	426921	53.827	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	217621	38.412	ug/l	99
3) Chloromethane	2.209	50	359297	43.719	ug/l	98
4) Vinyl Chloride	2.344	62	383814	44.403	ug/l	100
5) Bromomethane	2.756	94	262095	51.452	ug/l	99
6) Chloroethane	2.914	64	268543	47.931	ug/l	92
7) Trichlorofluoromethane	3.267	101	472657	44.294	ug/l	100
8) Diethyl Ether	3.709	74	166133	55.350	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	302180	44.588	ug/l	98
10) Methyl Iodide	4.297	142	311374	46.775	ug/l	99
11) Tert butyl alcohol	5.220	59	81141	253.312	ug/l	98
12) 1,1-Dichloroethene	4.061	96	298225	48.426	ug/l	98
13) Acrolein	3.926	56	99999	223.014	ug/l	100
14) Allyl chloride	4.714	41	466461	51.662	ug/l	98
15) Acrylonitrile	5.420	53	389279	275.701	ug/l	99
16) Acetone	4.156	43	258353	231.028	ug/l	97
17) Carbon Disulfide	4.403	76	989970	44.958	ug/l	99
18) Methyl Acetate	4.714	43	187060	57.651	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	723315	56.687	ug/l	99
20) Methylene Chloride	4.961	84	453898	56.914	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	357254	49.231	ug/l	95
22) Diisopropyl ether	6.361	45	1117865	56.975	ug/l	98
23) Vinyl Acetate	6.303	43	2752087	254.583	ug/l	98
24) 1,1-Dichloroethane	6.261	63	698381	51.535	ug/l	99
25) 2-Butanone	7.208	43	428916	282.829	ug/l	100
26) 2,2-Dichloropropane	7.202	77	484744	47.041	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	417143	53.871	ug/l	96
28) Bromochloromethane	7.544	49	275497	53.545	ug/l	100
29) Tetrahydrofuran	7.561	42	289695	295.263	ug/l	97
30) Chloroform	7.708	83	704106	51.677	ug/l	100
31) Cyclohexane	7.979	56	522802	43.223	ug/l	100
32) 1,1,1-Trichloroethane	7.902	97	558077	49.485	ug/l	99
36) 1,1-Dichloropropene	8.108	75	487995	46.317	ug/l	98
37) Ethyl Acetate	7.291	43	214576	55.944	ug/l	99
38) Carbon Tetrachloride	8.091	117	453456	47.117	ug/l	88
39) Methylcyclohexane	9.349	83	513341	42.542	ug/l	93
40) Benzene	8.349	78	1560944	51.139	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	107349	53.331	ug/l	97
42) 1,2-Dichloroethane	8.420	62	411996	51.038	ug/l	98
43) Isopropyl Acetate	8.449	43	381321	55.432	ug/l	100
44) Trichloroethene	9.108	130	345052	45.903	ug/l	96
45) 1,2-Dichloropropane	9.385	63	392430	48.946	ug/l	100
46) Dibromomethane	9.473	93	206351	52.359	ug/l	98
47) Bromodichloromethane	9.655	83	530400	51.801	ug/l	100
48) Methyl methacrylate	9.455	41	169699	46.533	ug/l	88
49) 1,4-Dioxane	9.461	88	48613	1167.524	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	1043293	291.447	ug/l	99
52) Toluene	10.396	92	977958	52.817	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	443612	51.614	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	527219	50.668	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	293637	52.750	ug/l	99
56) Ethyl methacrylate	10.655	69	362062	52.404	ug/l	95
57) 1,3-Dichloropropane	10.938	76	513065	54.470	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	885902	289.094	ug/l	100
59) 2-Hexanone	10.979	43	702194	296.558	ug/l	100
60) Dibromochloromethane	11.138	129	340258	53.973	ug/l	99
61) 1,2-Dibromoethane	11.238	107	274264	54.724	ug/l	99
64) Tetrachloroethene	10.867	164	285860	45.642	ug/l	97
65) Chlorobenzene	11.661	112	1015805	49.902	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	363928	49.698	ug/l	98
67) Ethyl Benzene	11.738	91	1798370	50.180	ug/l	99
68) m/p-Xylenes	11.849	106	1394636	100.384	ug/l	99
69) o-Xylene	12.173	106	653490	51.740	ug/l	99
70) Styrene	12.185	104	1165251	53.236	ug/l	99
71) Bromoform	12.355	173	183736	51.665	ug/l #	99
73) Isopropylbenzene	12.473	105	1654996	50.378	ug/l	100
74) N-amyl acetate	12.279	43	371868	55.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	335230	51.097	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	230175m	47.362	ug/l	
77) Bromobenzene	12.755	156	377390	51.005	ug/l	99
78) n-propylbenzene	12.814	91	2097317	49.706	ug/l	100
79) 2-Chlorotoluene	12.896	91	1230314	50.199	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1419950	50.527	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	82505	51.503	ug/l	99
82) 4-Chlorotoluene	12.996	91	1271923	49.640	ug/l	99
83) tert-Butylbenzene	13.214	119	1148667	50.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1432639	51.675	ug/l	98
85) sec-Butylbenzene	13.390	105	1778745	49.245	ug/l	99
86) p-Isopropyltoluene	13.508	119	1450595	49.432	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	753041	48.476	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	734195	47.419	ug/l	99
89) n-Butylbenzene	13.832	91	1372578	47.395	ug/l	99
90) Hexachloroethane	14.102	117	295550	47.546	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	667546	49.788	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	49955	52.879	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	359358	49.677	ug/l	100
94) Hexachlorobutadiene	15.255	225	204925	46.310	ug/l	99
95) Naphthalene	15.384	128	721518	48.452	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	327136	52.293	ug/l	99

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

