

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072221\
 Data File : VD069802.D
 Acq On : 22 Jul 2021 10:41
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:15:16 PM

Quant Time: Jul 23 04:27:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:26:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	573499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1043009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	982247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	468931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	71838	10.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	21.780%#
35) Dibromofluoromethane	7.909	113	68194	10.372	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.740%#
50) Toluene-d8	10.338	98	255051	10.060	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	20.120%#
62) 4-Bromofluorobenzene	12.626	95	81811	9.655	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	19.320%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	67676	11.211	ug/l	98
3) Chloromethane	2.209	50	94852	10.832	ug/l	98
4) Vinyl Chloride	2.350	62	99308	10.783	ug/l	97
5) Bromomethane	2.762	94	67389	11.171	ug/l	98
6) Chloroethane	2.921	64	65139	10.912	ug/l	95
7) Trichlorofluoromethane	3.273	101	122398	10.765	ug/l	96
8) Diethyl Ether	3.709	74	30171	9.434	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.091	101	79303	10.983	ug/l	97
10) Methyl Iodide	4.297	142	52701	8.353	ug/l	100
11) Tert butyl alcohol	5.226	59	17688	51.882	ug/l #	91
12) 1,1-Dichloroethene	4.068	96	65336	9.957	ug/l	96
13) Acrolein	3.932	56	23145	48.445	ug/l	100
14) Allyl chloride	4.709	41	88955	9.247	ug/l	97
15) Acrylonitrile	5.420	53	73644	48.952	ug/l	97
16) Acetone	4.156	43	60038	50.389	ug/l	100
17) Carbon Disulfide	4.409	76	246460	10.505	ug/l	99
18) Methyl Acetate	4.720	43	34371	9.942	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	126176	9.281	ug/l	100
20) Methylene Chloride	4.962	84	124602	11.482	ug/l	97
21) trans-1,2-Dichloroethene	5.468	96	78315	10.129	ug/l	96
22) Diisopropyl ether	6.367	45	198018	9.472	ug/l	96
23) Vinyl Acetate	6.303	43	420842	42.013	ug/l	98
24) 1,1-Dichloroethane	6.267	63	149455	10.351	ug/l	99
25) 2-Butanone	7.209	43	75715	46.859	ug/l	94
26) 2,2-Dichloropropane	7.209	77	111473	10.153	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	82505	10.000	ug/l	98
28) Bromochloromethane	7.544	49	60259	10.992	ug/l	98
29) Tetrahydrofuran	7.567	42	46793	44.762	ug/l	97
30) Chloroform	7.709	83	151527	10.438	ug/l	96
31) Cyclohexane	7.985	56	128711	9.987	ug/l #	94
32) 1,1,1-Trichloroethane	7.903	97	125449	10.440	ug/l	99
36) 1,1-Dichloropropene	8.109	75	111411	9.898	ug/l	98
37) Ethyl Acetate	7.297	43	38657	9.434	ug/l	98
38) Carbon Tetrachloride	8.097	117	103269	10.044	ug/l	99
39) Methylcyclohexane	9.350	83	118925	9.225	ug/l	95
40) Benzene	8.350	78	330321	10.130	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	18546m	9.072	ug/l	
42) 1,2-Dichloroethane	8.426	62	88242	10.232	ug/l	97
43) Isopropyl Acetate	8.450	43	69203	9.417	ug/l	96
44) Trichloroethene	9.108	130	81342	10.129	ug/l	97
45) 1,2-Dichloropropane	9.379	63	88250	10.303	ug/l	98
46) Dibromomethane	9.473	93	43625	10.361	ug/l	98
47) Bromodichloromethane	9.661	83	111356	10.180	ug/l	96
48) Methyl methacrylate	9.450	41	30559	8.643	ug/l	89
49) 1,4-Dioxane	9.461	88	8077	181.578	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	175625	45.924	ug/l	96
52) Toluene	10.403	92	190244	9.617	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	92549	10.079	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	108865	9.793	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	60165	10.117	ug/l	94
56) Ethyl methacrylate	10.655	69	56399	8.662	ug/l	96
57) 1,3-Dichloropropane	10.938	76	98073	9.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	108696	38.971	ug/l	98
59) 2-Hexanone	10.979	43	112278	44.386	ug/l	93
60) Dibromochloromethane	11.138	129	66307	9.845	ug/l	96
61) 1,2-Dibromoethane	11.244	107	52060	9.723	ug/l	97
64) Tetrachloroethene	10.867	164	65726	10.497	ug/l	90
65) Chlorobenzene	11.667	112	204144	10.032	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	75033	10.249	ug/l	97
67) Ethyl Benzene	11.738	91	341834	9.541	ug/l	99
68) m/p-Xylenes	11.850	106	264770	19.063	ug/l	97
69) o-Xylene	12.173	106	116724	9.244	ug/l	99
70) Styrene	12.191	104	201706	9.218	ug/l	100
71) Bromoform	12.355	173	35037	9.855	ug/l #	99
73) Isopropylbenzene	12.473	105	301053	8.935	ug/l	100
74) N-amyl acetate	12.285	43	60744	8.765	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	67051	9.965	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	59783m	16.329	ug/l	
77) Bromobenzene	12.755	156	73212	9.648	ug/l	98
78) n-propylbenzene	12.814	91	393964	9.104	ug/l	99
79) 2-Chlorotoluene	12.902	91	240437	9.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	264699	9.184	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	14772	8.991	ug/l	92
82) 4-Chlorotoluene	12.996	91	249851	9.508	ug/l	98
83) tert-Butylbenzene	13.214	119	210244	8.972	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	264292	9.295	ug/l	99
85) sec-Butylbenzene	13.391	105	341013	9.205	ug/l	99
86) p-Isopropyltoluene	13.508	119	271632	9.025	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	158160	9.927	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	161000	10.139	ug/l	99
89) n-Butylbenzene	13.832	91	265953	8.954	ug/l	98
90) Hexachloroethane	14.102	117	62169	9.752	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	137405	9.992	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8719	8.999	ug/l	89
93) 1,2,4-Trichlorobenzene	15.149	180	67633	9.116	ug/l	99
94) Hexachlorobutadiene	15.255	225	43455	9.575	ug/l	99
95) Naphthalene	15.385	128	109028	8.233	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	56184	8.757	ug/l	97

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

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