

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092022\
 Data File : VD074363.D
 Acq On : 20 Sep 2022 13:53
 Operator : VA/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 21 02:24:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	96224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	163053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	151166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	73098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50202	53.564	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.120%			
35) Dibromofluoromethane	7.805	113	52653	49.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.060%			
50) Toluene-d8	10.269	98	209985	56.670	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.340%			
62) 4-Bromofluorobenzene	12.569	95	64643	51.668	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	17138	19.334	ug/l	97
3) Chloromethane	2.140	50	27570	32.706	ug/l	89
4) Vinyl Chloride	2.275	62	16689	20.173	ug/l	95
5) Bromomethane	2.669	94	5097	9.965	ug/l	91
6) Chloroethane	2.822	64	10140	20.862	ug/l	95
7) Trichlorofluoromethane	3.164	101	31972	19.832	ug/l	90
8) Diethyl Ether	3.581	74	11406	22.195	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.958	101	21557	21.266	ug/l	97
10) Methyl Iodide	4.164	142	13699	10.940	ug/l	97
11) Tert butyl alcohol	5.011	59	24181	381.775	ug/l #	74
12) 1,1-Dichloroethene	3.934	96	21110	20.458	ug/l	96
13) Acrolein	3.799	56	6249	91.484	ug/l	99
14) Allyl chloride	4.558	41	30567	20.469	ug/l	98
15) Acrylonitrile	5.252	53	24866	109.778	ug/l	99
16) Acetone	4.016	43	20030	94.861	ug/l	92
17) Carbon Disulfide	4.264	76	62477	18.595	ug/l	98
18) Methyl Acetate	4.564	43	13395	22.444	ug/l	97
19) Methyl tert-butyl Ether	5.311	73	48895	22.128	ug/l	96
20) Methylene Chloride	4.793	84	35646	22.121	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	23472	20.544	ug/l	94
22) Diisopropyl ether	6.210	45	68827	21.882	ug/l	96
23) Vinyl Acetate	6.152	43	169085	114.065	ug/l	97
24) 1,1-Dichloroethane	6.099	63	44100	21.783	ug/l	99
25) 2-Butanone	7.081	43	31551	100.321	ug/l	94
26) 2,2-Dichloropropane	7.075	77	36539	21.863	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	27171	21.465	ug/l	98
28) Bromochloromethane	7.422	49	15389	19.685	ug/l	96
29) Tetrahydrofuran	7.440	42	19377	107.509	ug/l	99
30) Chloroform	7.593	83	43858	22.031	ug/l	99
31) Cyclohexane	7.869	56	39600	20.146	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	36678	20.886	ug/l	98
36) 1,1-Dichloropropene	8.004	75	33139	20.216	ug/l	97
37) Ethyl Acetate	7.163	43	14758	22.472	ug/l	95
38) Carbon Tetrachloride	7.987	117	25215	17.358	ug/l	98
39) Methylcyclohexane	9.275	83	39134	19.737	ug/l	97
40) Benzene	8.246	78	97360	21.182	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8028	22.521	ug/l	95
42) 1,2-Dichloroethane	8.322	62	24845	21.165	ug/l	98
43) Isopropyl Acetate	8.357	43	26281	21.691	ug/l	96
44) Trichloroethene	9.028	130	26781	22.162	ug/l	97
45) 1,2-Dichloropropane	9.304	63	25420	21.991	ug/l	95
46) Dibromomethane	9.393	93	12403	20.860	ug/l	96
47) Bromodichloromethane	9.581	83	30946	21.130	ug/l	98
48) Methyl methacrylate	9.375	41	12690	21.643	ug/l	96
49) 1,4-Dioxane	9.381	88	2805	431.074	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	69754	109.578	ug/l	97
52) Toluene	10.334	92	60734	21.452	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	29847	22.843	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	37554	22.215	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	17636	22.517	ug/l	98
56) Ethyl methacrylate	10.593	69	22711	22.136	ug/l	99
57) 1,3-Dichloropropane	10.875	76	31194	22.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	13169	70.107	ug/l	94
59) 2-Hexanone	10.916	43	46279	103.937	ug/l	99
60) Dibromochloromethane	11.075	129	20557	21.918	ug/l	99
61) 1,2-Dibromoethane	11.175	107	16301	21.672	ug/l	99
64) Tetrachloroethene	10.804	164	23598	23.030	ug/l	92
65) Chlorobenzene	11.604	112	64221	20.622	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	22038	20.607	ug/l	97
67) Ethyl Benzene	11.681	91	117987	20.651	ug/l	99
68) m/p-Xylenes	11.787	106	90872	41.522	ug/l	100
69) o-Xylene	12.116	106	42241	21.120	ug/l	97
70) Styrene	12.134	104	73139	21.472	ug/l	100
71) Bromoform	12.298	173	11620	20.248	ug/l #	95
73) Isopropylbenzene	12.416	105	114868	20.432	ug/l	100
74) N-amyl acetate	12.228	43	26259	21.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	21149	21.651	ug/l	94
76) 1,2,3-Trichloropropane	12.716	75	14071m	20.805	ug/l	
77) Bromobenzene	12.698	156	25044	20.386	ug/l	98
78) n-propylbenzene	12.757	91	144930	20.781	ug/l	99
79) 2-Chlorotoluene	12.845	91	75300	20.474	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	94195	20.490	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.463	75	5810	21.530	ug/l #	100
82) 4-Chlorotoluene	12.940	91	77348	20.280	ug/l	97
83) tert-Butylbenzene	13.157	119	82893	20.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	93282	20.625	ug/l	99
85) sec-Butylbenzene	13.339	105	126237	20.868	ug/l	99
86) p-Isopropyltoluene	13.451	119	104663	20.702	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	51188	20.270	ug/l	97
88) 1,4-Dichlorobenzene	13.528	146	52102	21.111	ug/l	99
89) n-Butylbenzene	13.781	91	100751	20.347	ug/l	99
90) Hexachloroethane	14.045	117	14510	15.207	ug/l	99
91) 1,2-Dichlorobenzene	13.822	146	44773	21.028	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	3082	21.225	ug/l	84
93) 1,2,4-Trichlorobenzene	15.092	180	30199	21.025	ug/l	97
94) Hexachlorobutadiene	15.192	225	17166	21.036	ug/l	97
95) Naphthalene	15.322	128	53872	20.235	ug/l	98
96) 1,2,3-Trichlorobenzene	15.510	180	26833	21.737	ug/l	96

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

