

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081722\
 Data File : VD074121.D
 Acq On : 17 Aug 2022 13:45
 Operator : VA/SY
 Sample : VD0817SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/18/2022
 Supervised By :Mahesh Dadoda 08/18/2022

Quant Time: Aug 18 03:18:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	133969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	219598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	204704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	108970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	55812	57.017	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.040%			
35) Dibromofluoromethane	7.908	113	72712	51.816	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.640%			
50) Toluene-d8	10.332	98	185849	43.621	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.240%			
62) 4-Bromofluorobenzene	12.620	95	95134	54.072	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	28001	24.384	ug/l	98
3) Chloromethane	2.208	50	33035	22.932	ug/l	91
4) Vinyl Chloride	2.350	62	45519	22.987	ug/l	97
5) Bromomethane	2.756	94	39136	24.767	ug/l	94
6) Chloroethane	2.914	64	40680	25.025	ug/l	89
7) Trichlorofluoromethane	3.267	101	104922	49.338	ug/l	97
8) Diethyl Ether	3.708	74	23446	39.901	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.091	101	57210	45.930	ug/l	91
10) Methyl Iodide	4.297	142	55345	42.208	ug/l	99
11) Tert butyl alcohol	5.220	59	6935m	83.113	ug/l	
12) 1,1-Dichloroethene	4.061	96	45954	43.435	ug/l	84
13) Acrolein	3.926	56	10868	166.346	ug/l	99
14) Allyl chloride	4.702	41	32169	20.660	ug/l #	88
15) Acrylonitrile	5.414	53	27210	115.931	ug/l	94
16) Acetone	4.155	43	39436	158.369	ug/l	100
17) Carbon Disulfide	4.402	76	98640	37.359	ug/l #	94
18) Methyl Acetate	4.720	43	14283	24.309	ug/l #	88
19) Methyl tert-butyl Ether	5.473	73	57771	21.356	ug/l	98
20) Methylene Chloride	4.955	84	39017	21.596	ug/l #	81
21) trans-1,2-Dichloroethene	5.467	96	28156	20.975	ug/l #	80
22) Diisopropyl ether	6.355	45	75339	22.351	ug/l #	89
23) Vinyl Acetate	6.302	43	181941m	105.343	ug/l	
24) 1,1-Dichloroethane	6.255	63	52286	22.439	ug/l	97
25) 2-Butanone	7.208	43	31325	91.480	ug/l #	70
26) 2,2-Dichloropropane	7.196	77	51933	21.497	ug/l	97
27) cis-1,2-Dichloroethene	7.202	96	33585	21.227	ug/l	87
28) Bromochloromethane	7.544	49	18743	21.552	ug/l #	72
29) Tetrahydrofuran	7.555	42	19445	103.912	ug/l #	85
30) Chloroform	7.702	83	60816	22.327	ug/l	98
31) Cyclohexane	7.979	56	38701	20.116	ug/l #	82
32) 1,1,1-Trichloroethane	7.896	97	57237	22.286	ug/l	96
36) 1,1-Dichloropropene	8.108	75	40020	20.912	ug/l	95
37) Ethyl Acetate	7.279	43	15210	20.041	ug/l	99
38) Carbon Tetrachloride	8.091	117	48334	21.884	ug/l	98
39) Methylcyclohexane	9.343	83	43840	20.778	ug/l	98
40) Benzene	8.343	78	115447	21.348	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	9419	24.560	ug/l #	27
42) 1,2-Dichloroethane	8.420	62	35560	21.767	ug/l	97
43) Isopropyl Acetate	8.443	43	28905	20.752	ug/l #	58
44) Trichloroethene	9.102	130	36018	22.746	ug/l	81
45) 1,2-Dichloropropane	9.379	63	29705	22.676	ug/l	99
46) Dibromomethane	9.461	93	18546	22.335	ug/l	99
47) Bromodichloromethane	9.655	83	46551	21.807	ug/l	98
48) Methyl methacrylate	9.449	41	12578	19.751	ug/l #	73
49) 1,4-Dioxane	9.449	88	3990	493.933	ug/l #	80
51) 4-Methyl-2-Pentanone	10.220	43	78402	109.944	ug/l	97
52) Toluene	10.390	92	77759	21.990	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	39319	21.610	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	44836	21.311	ug/l #	87
55) 1,1,2-Trichloroethane	10.790	97	24746	22.393	ug/l	92
56) Ethyl methacrylate	10.655	69	23575	20.980	ug/l	86
57) 1,3-Dichloropropane	10.932	76	36878	21.053	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	42717	99.028	ug/l	92
59) 2-Hexanone	10.973	43	48256	98.956	ug/l	93
60) Dibromochloromethane	11.132	129	32759	21.924	ug/l	95
61) 1,2-Dibromoethane	11.232	107	23387	21.792	ug/l	98
64) Tetrachloroethene	10.867	164	28882	22.300	ug/l	95
65) Chlorobenzene	11.661	112	86581	21.620	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	34083	21.655	ug/l	99
67) Ethyl Benzene	11.732	91	144179	21.030	ug/l	97
68) m/p-Xylenes	11.843	106	116975	42.499	ug/l	96
69) o-Xylene	12.167	106	52651	20.994	ug/l	98
70) Styrene	12.184	104	96480	22.065	ug/l	94
71) Bromoform	12.349	173	18384	22.294	ug/l #	98
73) Isopropylbenzene	12.467	105	144518	21.099	ug/l	97
74) N-amyl acetate	12.279	43	26954	20.496	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	28490	22.731	ug/l	95
76) 1,2,3-Trichloropropane	12.767	75	17268m	17.784	ug/l	
77) Bromobenzene	12.749	156	35762	21.622	ug/l	84
78) n-propylbenzene	12.808	91	182811	21.551	ug/l	97
79) 2-Chlorotoluene	12.896	91	106149	22.028	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	126109	21.569	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	6857	19.694	ug/l	91
82) 4-Chlorotoluene	12.990	91	112011	21.940	ug/l	96
83) tert-Butylbenzene	13.208	119	107667	20.806	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	125911	20.953	ug/l	100
85) sec-Butylbenzene	13.384	105	167363	21.052	ug/l	99
86) p-Isopropyltoluene	13.496	119	137545	20.744	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	74655	20.664	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	74497	20.583	ug/l	99
89) n-Butylbenzene	13.826	91	129516	20.389	ug/l	97
90) Hexachloroethane	14.090	117	29443	21.194	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	65505	20.301	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	4737	21.881	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	37250	17.987	ug/l	99
94) Hexachlorobutadiene	15.243	225	21618	17.423	ug/l	99
95) Naphthalene	15.378	128	64087	18.379	ug/l	97
96) 1,2,3-Trichlorobenzene	15.573	180	33511	18.302	ug/l	92

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

