

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081822\
 Data File : VD074138.D
 Acq On : 18 Aug 2022 18:11
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/19/2022
 Supervised By :Mahesh Dadoda 08/23/2022

Quant Time: Aug 18 21:47:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 18 21:46:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	184653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	327055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	294675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	136240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	11103	6.691	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.380%#		
35) Dibromofluoromethane	7.902	113	11553	5.702	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.400%#		
50) Toluene-d8	10.331	98	37783	6.143	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	12.280%#		
62) 4-Bromofluorobenzene	12.620	95	13632	5.338	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.680%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	12035	6.551	ug/l	99
3) Chloromethane	2.208	50	9564	4.725	ug/l	97
4) Vinyl Chloride	2.344	62	8385	3.266	ug/l	89
5) Bromomethane	2.761	94	5187	2.564	ug/l	98
6) Chloroethane	2.914	64	4875	2.295	ug/l	99
7) Trichlorofluoromethane	3.267	101	19245	4.948	ug/l	93
8) Diethyl Ether	3.702	74	5071	5.936	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	11156	5.290	ug/l	95
10) Methyl Iodide	4.291	142	10191	5.232	ug/l	91
11) Tert butyl alcohol	5.208	59	6075m	49.370	ug/l	
12) 1,1-Dichloroethene	4.049	96	10378	5.888	ug/l #	74
13) Acrolein	3.926	56	2325	20.208	ug/l	98
14) Allyl chloride	4.708	41	15699	6.710	ug/l #	93
15) Acrylonitrile	5.414	53	11912	34.323	ug/l	95
16) Acetone	4.161	43	11546	31.938	ug/l	98
17) Carbon Disulfide	4.396	76	33807	7.218	ug/l	99
18) Methyl Acetate	4.714	43	6951	7.344	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	21402	5.535	ug/l	98
20) Methylene Chloride	4.949	84	38050	13.399	ug/l	88
21) trans-1,2-Dichloroethene	5.461	96	11533	5.956	ug/l	92
22) Diisopropyl ether	6.361	45	30442	6.112	ug/l #	93
23) Vinyl Acetate	6.296	43	63529	24.829	ug/l #	93
24) 1,1-Dichloroethane	6.249	63	20979	6.245	ug/l #	96
25) 2-Butanone	7.208	43	18323	36.931	ug/l #	60
26) 2,2-Dichloropropane	7.196	77	20143	6.030	ug/l	94
27) cis-1,2-Dichloroethene	7.202	96	12126	5.394	ug/l	90
28) Bromochloromethane	7.532	49	7743	6.399	ug/l	89
29) Tetrahydrofuran	7.555	42	8894	31.732	ug/l	93
30) Chloroform	7.696	83	21501	5.585	ug/l	100
31) Cyclohexane	7.973	56	22745	7.838	ug/l #	67
32) 1,1,1-Trichloroethane	7.890	97	19362	5.415	ug/l	96
36) 1,1-Dichloropropene	8.102	75	16574	5.599	ug/l	95
37) Ethyl Acetate	7.296	43	7823	6.605	ug/l #	94
38) Carbon Tetrachloride	8.090	117	16799	5.077	ug/l	95
39) Methylcyclohexane	9.343	83	18485	5.617	ug/l	95
40) Benzene	8.343	78	45706	5.462	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	3015	4.944	ug/l #	79
42) 1,2-Dichloroethane	8.414	62	14153	5.664	ug/l	96
43) Isopropyl Acetate	8.443	43	12857	5.870	ug/l	93
44) Trichloroethene	9.102	130	12701	5.280	ug/l	98
45) 1,2-Dichloropropane	9.379	63	11768	5.792	ug/l	90
46) Dibromomethane	9.467	93	6247	4.972	ug/l	99
47) Bromodichloromethane	9.649	83	16804	5.210	ug/l	96
48) Methyl methacrylate	9.443	41	6303	6.207	ug/l	93
49) 1,4-Dioxane	9.461	88	1118	89.490	ug/l #	73
51) 4-Methyl-2-Pentanone	10.220	43	32355	28.796	ug/l	98
52) Toluene	10.390	92	26718	4.953	ug/l	99
53) t-1,3-Dichloropropene	10.602	75	13256	4.785	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	16147	4.981	ug/l	90
55) 1,1,2-Trichloroethane	10.784	97	8818	5.298	ug/l	92
56) Ethyl methacrylate	10.655	69	8755	5.027	ug/l	96
57) 1,3-Dichloropropane	10.937	76	15269	5.675	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.931	63	14891	23.593	ug/l	99
59) 2-Hexanone	10.973	43	21593	28.449	ug/l	98
60) Dibromochloromethane	11.131	129	10750	4.829	ug/l	98
61) 1,2-Dibromoethane	11.231	107	8100	5.006	ug/l	94
64) Tetrachloroethene	10.867	164	10859	5.759	ug/l	97
65) Chlorobenzene	11.655	112	29710	5.083	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.731	131	10966	4.802	ug/l	96
67) Ethyl Benzene	11.731	91	49936	4.962	ug/l	98
68) m/p-Xylenes	11.843	106	37528	9.340	ug/l	98
69) o-Xylene	12.173	106	17248	4.724	ug/l	96
70) Styrene	12.178	104	29398	4.613	ug/l	98
71) Bromoform	12.343	173	5708	4.846	ug/l #	99
73) Isopropylbenzene	12.467	105	43809	4.817	ug/l	98
74) N-amyl acetate	12.273	43	10605	5.778	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	9328	5.581	ug/l	93
76) 1,2,3-Trichloropropane	12.761	75	8022m	6.152	ug/l	
77) Bromobenzene	12.743	156	11191	5.152	ug/l	93
78) n-propylbenzene	12.802	91	56321	4.983	ug/l	99
79) 2-Chlorotoluene	12.896	91	32684	5.080	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	37097	4.790	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.508	75	2313	4.863	ug/l	97
82) 4-Chlorotoluene	12.990	91	35938	5.288	ug/l	100
83) tert-Butylbenzene	13.208	119	30970	4.656	ug/l	96
84) 1,2,4-Trimethylbenzene	13.249	105	36795	4.743	ug/l	100
85) sec-Butylbenzene	13.384	105	47731	4.671	ug/l	99
86) p-Isopropyltoluene	13.502	119	40625	4.783	ug/l	100
87) 1,3-Dichlorobenzene	13.496	146	22518	4.912	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	22113	4.847	ug/l	90
89) n-Butylbenzene	13.825	91	40232	4.914	ug/l	96
90) Hexachloroethane	14.090	117	8399	4.748	ug/l	96
91) 1,2-Dichlorobenzene	13.872	146	20129	4.943	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.484	75	1693	5.918	ug/l	75
93) 1,2,4-Trichlorobenzene	15.137	180	10705	4.186	ug/l	98
94) Hexachlorobutadiene	15.243	225	6018	4.008	ug/l	91
95) Naphthalene	15.378	128	20181	4.559	ug/l	98
96) 1,2,3-Trichlorobenzene	15.566	180	9549	4.214	ug/l	96

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

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