

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD073994.D
 Acq On : 09 Aug 2022 13:47
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 10 00:23:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 00:16:54 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/10/2022
 Supervised By :Mahesh Dadoda 08/11/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	153099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	258578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	236370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	109765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8110	5.950	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.900%#		
35) Dibromofluoromethane	7.908	113	8973	5.654	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.300%#		
50) Toluene-d8	10.332	98	25963	5.571	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.140%#		
62) 4-Bromofluorobenzene	12.620	95	10585	5.250	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.500%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	9908	7.020	ug/l	98
3) Chloromethane	2.208	50	12562	6.520	ug/l	96
4) Vinyl Chloride	2.338	62	16312	6.308	ug/l	98
5) Bromomethane	2.761	94	11916	7.394	ug/l	90
6) Chloroethane	2.908	64	10932	5.950	ug/l	90
7) Trichlorofluoromethane	3.256	101	16827	5.237	ug/l	91
8) Diethyl Ether	3.714	74	3495	5.409	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.079	101	9263	5.899	ug/l	95
10) Methyl Iodide	4.291	142	8135	5.938	ug/l #	93
11) Tert butyl alcohol	5.208	59	7291m	46.939	ug/l	
12) 1,1-Dichloroethene	4.055	96	7937	6.105	ug/l	85
13) Acrolein	3.920	56	572	6.403	ug/l #	16
14) Allyl chloride	4.702	41	10768	6.094	ug/l	94
15) Acrylonitrile	5.420	53	7761	25.790	ug/l	98
16) Acetone	4.161	43	9102	31.723	ug/l	95
17) Carbon Disulfide	4.397	76	23465	6.928	ug/l #	93
18) Methyl Acetate	4.726	43	6143	7.656	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	17143	5.056	ug/l #	88
20) Methylene Chloride	4.955	84	19607	8.545	ug/l #	82
21) trans-1,2-Dichloroethene	5.461	96	9108	5.972	ug/l #	84
22) Diisopropyl ether	6.355	45	19918	4.996	ug/l	94
23) Vinyl Acetate	6.302	43	47272m	4.589	ug/l	
24) 1,1-Dichloroethane	6.255	63	15117	5.527	ug/l	93
25) 2-Butanone	7.208	43	13101	30.192	ug/l	90
26) 2,2-Dichloropropane	7.196	77	17488	6.210	ug/l	92
27) cis-1,2-Dichloroethene	7.202	96	10062	5.605	ug/l	88
28) Bromochloromethane	7.538	49	5414	6.221	ug/l #	96
29) Tetrahydrofuran	7.555	42	5620	23.512	ug/l	92
30) Chloroform	7.696	83	17270	5.442	ug/l	95
31) Cyclohexane	7.973	56	14975	6.802	ug/l #	78
32) 1,1,1-Trichloroethane	7.891	97	17264	5.760	ug/l	96
36) 1,1-Dichloropropene	8.102	75	12574	5.676	ug/l	99
37) Ethyl Acetate	7.285	43	5701	5.772	ug/l #	88
38) Carbon Tetrachloride	8.085	117	14037	5.402	ug/l	84
39) Methylcyclohexane	9.349	83	12706	5.413	ug/l	98
40) Benzene	8.338	78	34070	5.447	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	2475	5.004	ug/l	96
42) 1,2-Dichloroethane	8.420	62	10630	5.264	ug/l	99
43) Isopropyl Acetate	8.449	43	9482	5.126	ug/l	98
44) Trichloroethene	9.108	130	10260	5.600	ug/l	97
45) 1,2-Dichloropropane	9.373	63	7694	5.007	ug/l #	85
46) Dibromomethane	9.467	93	5111	5.011	ug/l	92
47) Bromodichloromethane	9.655	83	13514	5.284	ug/l #	89
48) Methyl methacrylate	9.449	41	4527	5.485	ug/l #	83
49) 1,4-Dioxane	9.455	88	1123	96.868	ug/l #	61
51) 4-Methyl-2-Pentanone	10.220	43	23318	24.441	ug/l	93
52) Toluene	10.396	92	21318	5.175	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	11055	4.939	ug/l	91
54) cis-1,3-Dichloropropene	10.079	75	12994	5.115	ug/l #	91
55) 1,1,2-Trichloroethane	10.790	97	6872	5.122	ug/l	91
56) Ethyl methacrylate	10.655	69	6431	4.397	ug/l #	87
57) 1,3-Dichloropropane	10.937	76	10826	5.079	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	11315	22.089	ug/l	93
59) 2-Hexanone	10.973	43	15025	23.274	ug/l	93
60) Dibromochloromethane	11.126	129	8670	4.843	ug/l	98
61) 1,2-Dibromoethane	11.237	107	6558	4.994	ug/l	100
64) Tetrachloroethene	10.867	164	8863	5.912	ug/l	86
65) Chlorobenzene	11.661	112	24630	5.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	9529	5.347	ug/l	98
67) Ethyl Benzene	11.732	91	40235	5.135	ug/l	96
68) m/p-Xylenes	11.843	106	30669	9.742	ug/l	98
69) o-Xylene	12.167	106	14290	4.931	ug/l	97
70) Styrene	12.184	104	24156	4.761	ug/l	98
71) Bromoform	12.343	173	5004	4.700	ug/l #	99
73) Isopropylbenzene	12.467	105	37433	5.276	ug/l	98
74) N-amyl acetate	12.273	43	7394	4.817	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	7820	5.626	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	3942m	2.766	ug/l	
77) Bromobenzene	12.749	156	9527	5.459	ug/l	99
78) n-propylbenzene	12.808	91	45579	5.230	ug/l	97
79) 2-Chlorotoluene	12.890	91	26100	5.255	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	29789	4.914	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.508	75	1902	4.891	ug/l #	82
82) 4-Chlorotoluene	12.990	91	28087	5.324	ug/l	99
83) tert-Butylbenzene	13.208	119	26157	4.989	ug/l	95
84) 1,2,4-Trimethylbenzene	13.249	105	30235	4.957	ug/l	99
85) sec-Butylbenzene	13.384	105	40251	5.043	ug/l	98
86) p-Isopropyltoluene	13.502	119	33220	4.933	ug/l	97
87) 1,3-Dichlorobenzene	13.496	146	20579	5.635	ug/l	97
88) 1,4-Dichlorobenzene	13.578	146	21553	5.833	ug/l	93
89) n-Butylbenzene	13.826	91	33241	5.254	ug/l	95
90) Hexachloroethane	14.096	117	7079	5.199	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	16872	5.332	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	1318	5.345	ug/l	87
93) 1,2,4-Trichlorobenzene	15.137	180	10483	5.485	ug/l	98
94) Hexachlorobutadiene	15.243	225	6133	5.714	ug/l	94
95) Naphthalene	15.373	128	18338	5.093	ug/l	98
96) 1,2,3-Trichlorobenzene	15.567	180	9456	5.483	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

