

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD073988.D
 Acq On : 09 Aug 2022 10:49
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Aug 10 00:18:49 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

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	146947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	245835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	225847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	109950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	15839	12.107	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	24.220%#		
35) Dibromofluoromethane	7.903	113	17106	11.336	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.680%#		
50) Toluene-d8	10.332	98	55408	12.505	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	25.020%#		
62) 4-Bromofluorobenzene	12.620	95	19695	10.274	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.540%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	15539	11.471	ug/l	93
3) Chloromethane	2.209	50	21891	11.838	ug/l	99
4) Vinyl Chloride	2.344	62	26796	10.795	ug/l	93
5) Bromomethane	2.762	94	15598	10.084	ug/l #	79
6) Chloroethane	2.915	64	19824	11.241	ug/l	92
7) Trichlorofluoromethane	3.262	101	28071	9.103	ug/l	97
8) Diethyl Ether	3.709	74	6586	10.620	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	17093	11.341	ug/l	96
10) Methyl Iodide	4.291	142	13231	10.062	ug/l	93
11) Tert butyl alcohol	5.209	59	7565m	50.742	ug/l	
12) 1,1-Dichloroethene	4.062	96	13102	10.499	ug/l	88
13) Acrolein	3.920	56	6361	74.191	ug/l	96
14) Allyl chloride	4.709	41	18041	10.637	ug/l	98
15) Acrylonitrile	5.414	53	14995	51.915	ug/l	98
16) Acetone	4.162	43	15081	54.761	ug/l	94
17) Carbon Disulfide	4.397	76	38756	11.922	ug/l #	93
18) Methyl Acetate	4.714	43	7437	9.657	ug/l	99
19) Methyl tert-butyl Ether	5.485	73	31905	9.803	ug/l	98
20) Methylene Chloride	4.956	84	26654	12.102	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	15443	10.550	ug/l	92
22) Diisopropyl ether	6.356	45	38229	9.990	ug/l	97
23) Vinyl Acetate	6.303	43	100645m	10.179	ug/l	
24) 1,1-Dichloroethane	6.256	63	28688	10.927	ug/l	96
25) 2-Butanone	7.197	43	21631	51.936	ug/l	99
26) 2,2-Dichloropropane	7.197	77	28500	10.544	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	17850	10.359	ug/l	94
28) Bromochloromethane	7.538	49	8265	9.894	ug/l	97
29) Tetrahydrofuran	7.556	42	11624	50.667	ug/l	100
30) Chloroform	7.697	83	32392	10.634	ug/l	94
31) Cyclohexane	7.973	56	24221	11.462	ug/l #	93
32) 1,1,1-Trichloroethane	7.897	97	30700	10.671	ug/l	98
36) 1,1-Dichloropropene	8.103	75	22398	10.636	ug/l	99
37) Ethyl Acetate	7.285	43	9813	10.450	ug/l #	93
38) Carbon Tetrachloride	8.085	117	25538	10.338	ug/l	90
39) Methylcyclohexane	9.344	83	22608	10.132	ug/l	91
40) Benzene	8.344	78	62873	10.572	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	4949	10.524	ug/l	94
42) 1,2-Dichloroethane	8.420	62	20902	10.888	ug/l	98
43) Isopropyl Acetate	8.444	43	16860	9.587	ug/l	99
44) Trichloroethene	9.108	130	18292	10.502	ug/l	96
45) 1,2-Dichloropropane	9.379	63	15723	10.762	ug/l #	82
46) Dibromomethane	9.467	93	9960	10.272	ug/l	96
47) Bromodichloromethane	9.650	83	26027	10.704	ug/l #	97
48) Methyl methacrylate	9.450	41	7630	9.725	ug/l	94
49) 1,4-Dioxane	9.455	88	2162	196.158	ug/l	87
51) 4-Methyl-2-Pentanone	10.220	43	42841	47.233	ug/l	100
52) Toluene	10.391	92	38474	9.823	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	20278	9.530	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	23488	9.725	ug/l	95
55) 1,1,2-Trichloroethane	10.785	97	12623	9.897	ug/l	92
56) Ethyl methacrylate	10.649	69	12749	9.170	ug/l	95
57) 1,3-Dichloropropane	10.932	76	20233	9.985	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	19535	40.113	ug/l	97
59) 2-Hexanone	10.967	43	27827	45.339	ug/l	95
60) Dibromochloromethane	11.126	129	16839	9.894	ug/l	100
61) 1,2-Dibromoethane	11.238	107	12732	10.199	ug/l	99
64) Tetrachloroethene	10.867	164	15418	10.763	ug/l	93
65) Chlorobenzene	11.661	112	44666	10.285	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.726	131	16433	9.650	ug/l	93
67) Ethyl Benzene	11.732	91	73460	9.812	ug/l	96
68) m/p-Xylenes	11.844	106	60074	19.972	ug/l	94
69) o-Xylene	12.167	106	26108	9.428	ug/l	96
70) Styrene	12.179	104	46118	9.514	ug/l	97
71) Bromoform	12.349	173	10872	10.687	ug/l #	92
73) Isopropylbenzene	12.467	105	70535	9.925	ug/l	99
74) N-amyl acetate	12.273	43	15203	9.888	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	14524	10.431	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	8973m	6.286	ug/l	
77) Bromobenzene	12.743	156	18786	10.747	ug/l	95
78) n-propylbenzene	12.802	91	87902	10.070	ug/l	96
79) 2-Chlorotoluene	12.891	91	52118	10.477	ug/l	96
80) 1,3,5-Trimethylbenzene	12.943	105	60550	9.971	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	3634	9.330	ug/l #	78
82) 4-Chlorotoluene	12.991	91	53583	10.139	ug/l	97
83) tert-Butylbenzene	13.208	119	51408	9.788	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	59359	9.716	ug/l	96
85) sec-Butylbenzene	13.385	105	78847	9.863	ug/l	98
86) p-Isopropyltoluene	13.496	119	65314	9.682	ug/l	98
87) 1,3-Dichlorobenzene	13.496	146	35775	9.780	ug/l	96
88) 1,4-Dichlorobenzene	13.579	146	37967	10.257	ug/l	95
89) n-Butylbenzene	13.826	91	61675	9.732	ug/l	98
90) Hexachloroethane	14.090	117	14843	10.882	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	32639	10.298	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	2946	11.926	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	19085	9.968	ug/l	98
94) Hexachlorobutadiene	15.243	225	11001	10.232	ug/l	98
95) Naphthalene	15.379	128	32839	9.105	ug/l	97
96) 1,2,3-Trichlorobenzene	15.567	180	17626	10.203	ug/l	95

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

