

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073820.D
 Acq On : 07 Jul 2022 20:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022
 Supervised By :Semsettin Yesilyurt 07/08/2022

Quant Time: Jul 08 06:36:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 05:39:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	99055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	193016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	186808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	84476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	54149	44.429	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.860%		
35) Dibromofluoromethane	7.902	113	52187	44.065	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.140%		
50) Toluene-d8	10.332	98	164068	40.894	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery =	81.780%#		
62) 4-Bromofluorobenzene	12.620	95	76178	46.193	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery =	92.380%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	24370	44.763	ug/l	96
3) Chloromethane	2.209	50	35339	48.775	ug/l	100
4) Vinyl Chloride	2.344	62	43995	48.036	ug/l	98
5) Bromomethane	2.750	94	32190	49.468	ug/l	93
6) Chloroethane	2.903	64	36146	44.560	ug/l	94
7) Trichlorofluoromethane	3.262	101	69722	42.091	ug/l	92
8) Diethyl Ether	3.703	74	24384	48.065	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.085	101	44413	43.369	ug/l	97
10) Methyl Iodide	4.291	142	25688	38.141	ug/l	99
11) Tert butyl alcohol	5.232	59	26350	63.343	ug/l #	86
12) 1,1-Dichloroethene	4.062	96	34928	43.011	ug/l	95
13) Acrolein	3.920	56	18484	208.233	ug/l	98
14) Allyl chloride	4.703	41	66824	43.560	ug/l	98
15) Acrylonitrile	5.420	53	75436	259.743	ug/l	99
16) Acetone	4.156	43	60519	279.275	ug/l	91
17) Carbon Disulfide	4.397	76	46656	41.874	ug/l	98
18) Methyl Acetate	4.709	43	32620	49.454	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	155114	51.807	ug/l	95
20) Methylene Chloride	4.956	84	68595	63.252	ug/l	98
21) trans-1,2-Dichloroethene	5.456	96	40257	41.678	ug/l	97
22) Diisopropyl ether	6.361	45	205887	52.035	ug/l	98
23) Vinyl Acetate	6.297	43	579721	273.512	ug/l	99
24) 1,1-Dichloroethane	6.256	63	105371	47.425	ug/l	98
25) 2-Butanone	7.203	43	98684	246.475	ug/l	96
26) 2,2-Dichloropropane	7.197	77	89714	43.329	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	63153	46.412	ug/l	97
28) Bromochloromethane	7.538	49	45284	52.333	ug/l	97
29) Tetrahydrofuran	7.555	42	61727	261.209	ug/l	96
30) Chloroform	7.702	83	124571	50.542	ug/l	98
31) Cyclohexane	7.979	56	58843	45.725	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	98815	47.374	ug/l	97
36) 1,1-Dichloropropene	8.102	75	67973	44.861	ug/l	97
37) Ethyl Acetate	7.291	43	45241	50.065	ug/l	99
38) Carbon Tetrachloride	8.085	117	77399	44.932	ug/l	93
39) Methylcyclohexane	9.349	83	65277	41.724	ug/l	99
40) Benzene	8.344	78	210049	46.889	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	28264	56.908	ug/l	88
42) 1,2-Dichloroethane	8.414	62	77572	50.318	ug/l	100
43) Isopropyl Acetate	8.444	43	93141	51.150	ug/l	100
44) Trichloroethene	9.102	130	54261	45.562	ug/l	97
45) 1,2-Dichloropropane	9.379	63	65287	50.714	ug/l	95
46) Dibromomethane	9.467	93	36806	49.906	ug/l	98
47) Bromodichloromethane	9.649	83	100115	50.168	ug/l #	94
48) Methyl methacrylate	9.449	41	42788	51.554	ug/l	99
49) 1,4-Dioxane	9.455	88	9657	1052.335	ug/l	89
51) 4-Methyl-2-Pentanone	10.220	43	249637	262.485	ug/l	99
52) Toluene	10.391	92	140809	47.516	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	90500	49.067	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	98478	48.175	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	53583	51.822	ug/l	96
56) Ethyl methacrylate	10.649	69	70940	53.742	ug/l	97
57) 1,3-Dichloropropane	10.938	76	89499	50.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	120675	231.360	ug/l	98
59) 2-Hexanone	10.973	43	166427	262.384	ug/l	100
60) Dibromochloromethane	11.132	129	66508	52.141	ug/l	99
61) 1,2-Dibromoethane	11.238	107	50710	53.293	ug/l	92
64) Tetrachloroethene	10.867	164	37981	46.329	ug/l	92
65) Chlorobenzene	11.661	112	169945	47.619	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.726	131	70170	51.048	ug/l	96
67) Ethyl Benzene	11.732	91	302460	46.746	ug/l	98
68) m/p-Xylenes	11.843	106	226561	92.569	ug/l	99
69) o-Xylene	12.167	106	113631	48.232	ug/l	97
70) Styrene	12.185	104	203066	49.095	ug/l	98
71) Bromoform	12.349	173	36722	52.053	ug/l #	98
73) Isopropylbenzene	12.467	105	311999	47.983	ug/l	100
74) N-amyl acetate	12.273	43	93587	50.997	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	72082	53.351	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	47960m	52.145	ug/l	
77) Bromobenzene	12.749	156	66609	49.215	ug/l	98
78) n-propylbenzene	12.808	91	383495	47.050	ug/l	100
79) 2-Chlorotoluene	12.896	91	224946	48.785	ug/l	98
80) 1,3,5-Trimethylbenzene	12.943	105	261970	48.215	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	19475	47.305	ug/l	96
82) 4-Chlorotoluene	12.990	91	232790	47.884	ug/l	99
83) tert-Butylbenzene	13.208	119	227896	47.338	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	261686	48.649	ug/l	100
85) sec-Butylbenzene	13.385	105	345641	46.903	ug/l	99
86) p-Isopropyltoluene	13.502	119	285116	48.520	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	139224	49.012	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	136672	47.544	ug/l	98
89) n-Butylbenzene	13.826	91	278921	46.975	ug/l	100
90) Hexachloroethane	14.096	117	57442	48.505	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	124516	49.532	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	12000	53.408	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	70866	49.303	ug/l	99
94) Hexachlorobutadiene	15.243	225	33601	48.485	ug/l	97
95) Naphthalene	15.379	128	169148	52.079	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	63148	49.721	ug/l	97

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

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