

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010213.D
 Acq On : 25 Aug 2022 19:03
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2022
 Supervised By :Semsettin Yesilyurt 08/27/2022

Quant Time: Aug 26 06:48:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:12:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	165113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	254319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	249201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	68133	49.071	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.140%		
35) Dibromofluoromethane	7.710	113	75387	45.211	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.420%		
50) Toluene-d8	10.173	98	122673	21.199	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	42.400%#		
62) 4-Bromofluorobenzene	12.477	95	105115	47.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	94.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	38290	33.446	ug/l	97
3) Chloromethane	2.107	50	67607	48.521	ug/l	100
4) Vinyl Chloride	2.241	62	77427	50.935	ug/l	99
5) Bromomethane	2.637	94	60827	49.684	ug/l	99
6) Chloroethane	2.778	64	56263	52.000	ug/l	97
7) Trichlorofluoromethane	3.113	101	73533	50.260	ug/l	93
8) Diethyl Ether	3.515	74	47543	47.450	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.887	101	81023	47.077	ug/l	94
10) Methyl Iodide	4.076	142	92093	48.737	ug/l	89
11) Tert butyl alcohol	4.954	59	41560	235.187	ug/l #	95
12) 1,1-Dichloroethene	3.857	96	73312	47.712	ug/l	88
13) Acrolein	3.716	56	12354	172.865	ug/l	99
14) Allyl chloride	4.466	41	134265	49.620	ug/l	91
15) Acrylonitrile	5.149	53	132658	245.339	ug/l	98
16) Acetone	3.936	43	96778	215.886	ug/l	91
17) Carbon Disulfide	4.180	76	189930	48.547	ug/l	99
18) Methyl Acetate	4.466	43	66288	49.624	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	225738	49.746	ug/l	97
20) Methylene Chloride	4.704	84	118716	57.577	ug/l	90
21) trans-1,2-Dichloroethene	5.204	96	86695	48.731	ug/l	91
22) Diisopropyl ether	6.106	45	329218	54.565	ug/l	94
23) Vinyl Acetate	6.051	43	1008467	284.764	ug/l	96
24) 1,1-Dichloroethane	6.009	63	168973	49.153	ug/l	98
25) 2-Butanone	6.978	43	180273	242.195	ug/l	96
26) 2,2-Dichloropropane	6.972	77	138510	43.667	ug/l	93
27) cis-1,2-Dichloroethene	6.972	96	106634	49.670	ug/l	89
28) Bromochloromethane	7.325	49	61018	52.837	ug/l	96
29) Tetrahydrofuran	7.338	42	124128	276.023	ug/l	96
30) Chloroform	7.496	83	177518	49.816	ug/l	99
31) Cyclohexane	7.777	56	140776	50.015	ug/l	97
32) 1,1,1-Trichloroethane	7.691	97	146900	49.091	ug/l	97
36) 1,1-Dichloropropene	7.911	75	128605	52.441	ug/l	98
37) Ethyl Acetate	7.063	43	83755	53.430	ug/l	97
38) Carbon Tetrachloride	7.892	117	132612	51.053	ug/l	98
39) Methylcyclohexane	9.179	83	73962	27.195	ug/l	87
40) Benzene	8.149	78	382870	51.008	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	38045m	48.639	ug/l	
42) 1,2-Dichloroethane	8.228	62	107859	51.697	ug/l	93
43) Isopropyl Acetate	8.264	43	149130	54.668	ug/l	95
44) Trichloroethene	8.935	130	102953	49.698	ug/l	99
45) 1,2-Dichloropropane	9.209	63	49399	25.055	ug/l	99
46) Dibromomethane	9.301	93	28194	25.922	ug/l	93
47) Bromodichloromethane	9.490	83	69776	26.065	ug/l	96
48) Methyl methacrylate	9.289	41	28257	24.099	ug/l #	82
49) 1,4-Dioxane	9.289	88	6193	489.586	ug/l	86
51) 4-Methyl-2-Pentanone	10.063	43	169313	113.310	ug/l	94
52) Toluene	10.240	92	125145	26.616	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	67693	25.521	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	75170	24.463	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	43370	26.282	ug/l	96
56) Ethyl methacrylate	10.508	69	52703	26.155	ug/l #	81
57) 1,3-Dichloropropane	10.782	76	69138	25.818	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	85673	104.519	ug/l	93
59) 2-Hexanone	10.831	43	128668	127.228	ug/l	89
60) Dibromochloromethane	10.983	129	77914	40.047	ug/l	99
61) 1,2-Dibromoethane	11.087	107	79311	52.249	ug/l	99
64) Tetrachloroethene	10.715	164	60393	29.430	ug/l	98
65) Chlorobenzene	11.514	112	274346	50.517	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	104523	50.526	ug/l	97
67) Ethyl Benzene	11.587	91	493688	52.894	ug/l	99
68) m/p-Xylenes	11.703	106	381216	106.373	ug/l	94
69) o-Xylene	12.026	106	181633	53.102	ug/l	93
70) Styrene	12.038	104	315052	53.808	ug/l	95
71) Bromoform	12.203	173	66029	50.558	ug/l #	99
73) Isopropylbenzene	12.325	105	489206	51.777	ug/l	100
74) N-amyl acetate	12.142	43	143061	55.328	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	105133	50.594	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	86240m	57.166	ug/l	
77) Bromobenzene	12.605	156	114773	49.178	ug/l	98
78) n-propylbenzene	12.666	91	611468	52.016	ug/l	100
79) 2-Chlorotoluene	12.751	91	336196	50.810	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	409935	51.043	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	36217	51.045	ug/l #	84
82) 4-Chlorotoluene	12.849	91	348648	50.381	ug/l	98
83) tert-Butylbenzene	13.074	119	360500	52.243	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	411253	51.760	ug/l	98
85) sec-Butylbenzene	13.251	105	552082	52.551	ug/l	99
86) p-Isopropyltoluene	13.367	119	455587	53.174	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	234259	49.304	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	231942	48.406	ug/l	98
89) n-Butylbenzene	13.696	91	431697	52.515	ug/l	100
90) Hexachloroethane	13.958	117	90411	49.993	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	208862	49.164	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	16036	51.382	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	120536	47.411	ug/l	99
94) Hexachlorobutadiene	15.111	225	69436	58.412	ug/l	97
95) Naphthalene	15.233	128	249215	46.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	108373	48.378	ug/l	100

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

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