

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030922\
 Data File : VY007800.D
 Acq On : 09 Mar 2022 12:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2022
 Supervised By : Mahesh Dadoda 03/10/2022

Quant Time: Mar 10 01:02:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	228151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	356431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	323807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	96680	40.477	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.960%		
35) Dibromofluoromethane	7.722	113	92923	40.778	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.560%		
50) Toluene-d8	10.179	98	331518	39.521	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	79.040%		
62) 4-Bromofluorobenzene	12.483	95	114888	42.489	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	84.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65884	43.585	ug/l	96
3) Chloromethane	2.119	50	108220	45.635	ug/l	100
4) Vinyl Chloride	2.253	62	150428	43.950	ug/l	100
5) Bromomethane	2.656	94	130403	47.140	ug/l	98
6) Chloroethane	2.796	64	115458	43.986	ug/l	99
7) Trichlorofluoromethane	3.131	101	187534	47.955	ug/l	92
8) Diethyl Ether	3.534	74	59792	47.516	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.899	101	117764	49.332	ug/l	95
10) Methyl Iodide	4.094	142	106986	36.836	ug/l	94
11) Tert butyl alcohol	4.954	59	45068	217.935	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	101028	47.685	ug/l	92
13) Acrolein	3.729	56	34065	184.212	ug/l	98
14) Allyl chloride	4.491	41	159358	50.007	ug/l #	91
15) Acrylonitrile	5.161	53	164161	247.150	ug/l	99
16) Acetone	3.948	43	143288	294.896	ug/l	92
17) Carbon Disulfide	4.198	76	249273	48.554	ug/l	99
18) Methyl Acetate	4.485	43	66410	46.294	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	312720	47.558	ug/l	97
20) Methylene Chloride	4.716	84	126298	54.532	ug/l	87
21) trans-1,2-Dichloroethene	5.228	96	117956	47.715	ug/l	89
22) Diisopropyl ether	6.125	45	403529	53.007	ug/l	94
23) Vinyl Acetate	6.064	43	1273713	264.571	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	228710	49.722	ug/l	99
25) 2-Butanone	6.984	43	222547	273.030	ug/l	92
26) 2,2-Dichloropropane	6.984	77	208973	51.051	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	142600	49.193	ug/l	92
28) Bromochloromethane	7.338	49	89676	45.842	ug/l	94
29) Tetrahydrofuran	7.350	42	141408	253.547	ug/l	89
30) Chloroform	7.508	83	246869	51.804	ug/l	98
31) Cyclohexane	7.789	56	190394	51.886	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	218859	51.604	ug/l	98
36) 1,1-Dichloropropene	7.917	75	179126	49.969	ug/l	99
37) Ethyl Acetate	7.076	43	96962	48.972	ug/l	97
38) Carbon Tetrachloride	7.899	117	196824	51.472	ug/l	96
39) Methylcyclohexane	9.185	83	210679	47.821	ug/l	90
40) Benzene	8.161	78	506619	50.782	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	46702m	49.360	ug/l	
42) 1,2-Dichloroethane	8.240	62	159417	51.210	ug/l	96
43) Isopropyl Acetate	8.277	43	188377	51.447	ug/l	96
44) Trichloroethene	8.941	130	132854	47.949	ug/l	95
45) 1,2-Dichloropropane	9.215	63	135275	52.434	ug/l	99
46) Dibromomethane	9.307	93	79210	51.148	ug/l	93
47) Bromodichloromethane	9.496	83	192313	52.946	ug/l	99
48) Methyl methacrylate	9.295	41	81837	51.564	ug/l	86
49) 1,4-Dioxane	9.295	88	17684	945.864	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	513405	262.054	ug/l	93
52) Toluene	10.246	92	330706	51.267	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	190343	51.041	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	211404	51.309	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	110026	52.224	ug/l	97
56) Ethyl methacrylate	10.514	69	138370	49.469	ug/l	87
57) 1,3-Dichloropropane	10.794	76	182937	51.348	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	382799	250.946	ug/l	98
59) 2-Hexanone	10.831	43	367629	278.645	ug/l	92
60) Dibromochloromethane	10.990	129	135269	53.921	ug/l	99
61) 1,2-Dibromoethane	11.093	107	101200	50.395	ug/l	98
64) Tetrachloroethene	10.721	164	114122	47.547	ug/l	98
65) Chlorobenzene	11.520	112	357165	50.628	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	138022	52.318	ug/l	98
67) Ethyl Benzene	11.593	91	660822	51.942	ug/l	99
68) m/p-Xylenes	11.703	106	515211	105.545	ug/l	93
69) o-Xylene	12.032	106	242904	52.511	ug/l	95
70) Styrene	12.044	104	422675	54.571	ug/l	95
71) Bromoform	12.209	173	82769	50.388	ug/l #	99
73) Isopropylbenzene	12.331	105	673005	50.515	ug/l	99
74) N-amyl acetate	12.148	43	171971	48.490	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	137403	49.173	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	102839m	53.847	ug/l	
77) Bromobenzene	12.611	156	150016	48.885	ug/l	96
78) n-propylbenzene	12.672	91	820023	51.007	ug/l	99
79) 2-Chlorotoluene	12.758	91	435884	50.668	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	547067	51.353	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	44176	47.288	ug/l	92
82) 4-Chlorotoluene	12.855	91	449768	50.828	ug/l	96
83) tert-Butylbenzene	13.075	119	491324	50.140	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	544535	51.893	ug/l	98
85) sec-Butylbenzene	13.251	105	762711	52.617	ug/l	99
86) p-Isopropyltoluene	13.373	119	626017	52.289	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	316172	51.775	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	309293	51.318	ug/l	97
89) n-Butylbenzene	13.696	91	599800	53.008	ug/l	99
90) Hexachloroethane	13.965	117	117920	51.961	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	277695	51.213	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20001	47.264	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	165601	48.240	ug/l	99
94) Hexachlorobutadiene	15.111	225	96501	47.546	ug/l	99
95) Naphthalene	15.239	128	323706	46.353	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	142632	46.619	ug/l	100

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

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