

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011122\
 Data File : VY007126.D
 Acq On : 11 Jan 2022 20:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 05:10:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	129612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	222090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	195304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80399	51.851	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.700%			
35) Dibromofluoromethane	7.722	113	72320	48.859	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.720%			
50) Toluene-d8	10.185	98	260324	47.614	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.483	95	91765	46.537	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	25468	56.867	ug/l	98
3) Chloromethane	2.119	50	53741	57.288	ug/l	98
4) Vinyl Chloride	2.266	62	71360	52.398	ug/l	98
5) Bromomethane	2.668	94	47196	52.162	ug/l	98
6) Chloroethane	2.808	64	44914	53.829	ug/l	93
7) Trichlorofluoromethane	3.131	101	90509	54.276	ug/l	96
8) Diethyl Ether	3.534	74	43027	52.829	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	70635	49.288	ug/l	99
10) Methyl Iodide	4.095	142	109136	49.185	ug/l	98
11) Tert butyl alcohol	4.991	59	34806	281.537	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	71713	48.401	ug/l	99
13) Acrolein	3.741	56	8627	241.315	ug/l	97
14) Allyl chloride	4.485	41	115995	51.525	ug/l	98
15) Acrylonitrile	5.174	53	107775	288.208	ug/l	97
16) Acetone	3.966	43	89944	309.172	ug/l	100
17) Carbon Disulfide	4.198	76	205497	48.414	ug/l	100
18) Methyl Acetate	4.485	43	78500	58.825	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	160755	54.590	ug/l	100
20) Methylene Chloride	4.722	84	81792	53.667	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	78493	49.115	ug/l	95
22) Diisopropyl ether	6.125	45	247911	54.147	ug/l	99
23) Vinyl Acetate	6.064	43	779198	293.883	ug/l	98
24) 1,1-Dichloroethane	6.021	63	145269	52.009	ug/l	100
25) 2-Butanone	6.996	43	140147	311.775	ug/l	97
26) 2,2-Dichloropropane	6.990	77	101358	46.766	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	89618	49.810	ug/l	97
28) Bromochloromethane	7.338	49	65352	62.676	ug/l	93
29) Tetrahydrofuran	7.356	42	97072	301.505	ug/l	98
30) Chloroform	7.515	83	151233	51.422	ug/l	99
31) Cyclohexane	7.789	56	126799	47.511	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	127768	49.956	ug/l	99
36) 1,1-Dichloropropene	7.923	75	112193	47.835	ug/l	99
37) Ethyl Acetate	7.082	43	68264	59.470	ug/l	97
38) Carbon Tetrachloride	7.905	117	118536	48.369	ug/l	98
39) Methylcyclohexane	9.191	83	138191	47.111	ug/l	100
40) Benzene	8.167	78	311466	49.323	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	39901	61.143	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	105157	54.540	ug/l	98
43) Isopropyl Acetate	8.277	43	132740	59.593	ug/l	97
44) Trichloroethene	8.941	130	82636	47.294	ug/l	98
45) 1,2-Dichloropropane	9.222	63	80319	51.375	ug/l	95
46) Dibromomethane	9.307	93	49196	52.778	ug/l	99
47) Bromodichloromethane	9.502	83	120296	51.668	ug/l	98
48) Methyl methacrylate	9.295	41	59099	58.855	ug/l	98
49) 1,4-Dioxane	9.313	88	12461	1311.876	ug/l #	83
51) 4-Methyl-2-Pentanone	10.075	43	344511	313.990	ug/l	97
52) Toluene	10.246	92	196537	48.888	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	127226	52.293	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	139313	50.770	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	67152	53.024	ug/l	97
56) Ethyl methacrylate	10.514	69	100563	56.529	ug/l	97
57) 1,3-Dichloropropane	10.795	76	117825	53.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	224791	276.840	ug/l	99
59) 2-Hexanone	10.837	43	233174	327.585	ug/l	96
60) Dibromochloromethane	10.990	129	81817	51.777	ug/l	100
61) 1,2-Dibromoethane	11.093	107	67420	53.213	ug/l	100
64) Tetrachloroethene	10.721	164	68211	48.952	ug/l	97
65) Chlorobenzene	11.520	112	207991	49.488	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	78224	50.268	ug/l	99
67) Ethyl Benzene	11.599	91	383208	48.542	ug/l	98
68) m/p-Xylenes	11.709	106	282358	95.626	ug/l	99
69) o-Xylene	12.032	106	134172	48.509	ug/l	98
70) Styrene	12.050	104	234115	50.093	ug/l	100
71) Bromoform	12.209	173	49947	56.046	ug/l #	98
73) Isopropylbenzene	12.337	105	347870	46.838	ug/l	99
74) N-amyl acetate	12.148	43	115196	60.929	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	80440	56.792	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	60615m	60.848	ug/l	
77) Bromobenzene	12.611	156	79787	48.647	ug/l	94
78) n-propylbenzene	12.678	91	424267	46.760	ug/l	100
79) 2-Chlorotoluene	12.764	91	246462	47.748	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	283141	46.345	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	29234	55.120	ug/l #	96
82) 4-Chlorotoluene	12.861	91	255532	47.948	ug/l	99
83) tert-Butylbenzene	13.081	119	245369	45.604	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	286220	47.663	ug/l	100
85) sec-Butylbenzene	13.258	105	352884	45.008	ug/l	100
86) p-Isopropyltoluene	13.373	119	291568	45.424	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	154732	48.883	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	152829	48.493	ug/l	99
89) n-Butylbenzene	13.703	91	279892	44.706	ug/l	99
90) Hexachloroethane	13.965	117	58748	46.184	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	139336	50.132	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14438	61.211	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	84432	51.202	ug/l	99
94) Hexachlorobutadiene	15.117	225	37438	44.100	ug/l	98
95) Naphthalene	15.239	128	206817	59.808	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	74566	53.608	ug/l	98

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

