

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009546.D
 Acq On : 12 Jul 2022 20:29
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

Quant Time: Jul 13 01:17:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	156156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	243654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	233088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57149	52.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.480%			
35) Dibromofluoromethane	7.710	113	62264	48.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.140%			
50) Toluene-d8	10.179	98	185550	53.328	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 106.660%			
62) 4-Bromofluorobenzene	12.477	95	102492	56.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 113.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	63549	53.068	ug/l	100
3) Chloromethane	2.107	50	74002	55.337	ug/l	93
4) Vinyl Chloride	2.241	62	89685	58.905	ug/l	98
5) Bromomethane	2.631	94	56767	51.897	ug/l	94
6) Chloroethane	2.778	64	51180	57.575	ug/l	98
7) Trichlorofluoromethane	3.113	101	118464	58.277	ug/l	89
8) Diethyl Ether	3.521	74	40602	52.207	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.881	101	71067	51.599	ug/l	95
10) Methyl Iodide	4.076	142	95567	51.502	ug/l	90
11) Tert butyl alcohol	4.942	59	38653	185.100	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	67848	53.112	ug/l	86
13) Acrolein	3.716	56	21525	183.406	ug/l	100
14) Allyl chloride	4.460	41	116159	52.850	ug/l	96
15) Acrylonitrile	5.149	53	110234	257.600	ug/l	99
16) Acetone	3.936	43	81843	215.448	ug/l	95
17) Carbon Disulfide	4.180	76	199449	47.250	ug/l	99
18) Methyl Acetate	4.466	43	52186	46.789	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	208760	53.994	ug/l	96
20) Methylene Chloride	4.704	84	85680	47.390	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	80695	53.912	ug/l	88
22) Diisopropyl ether	6.106	45	274844	58.819	ug/l	95
23) Vinyl Acetate	6.045	43	875575	269.682	ug/l	97
24) 1,1-Dichloroethane	6.003	63	140627	53.368	ug/l	99
25) 2-Butanone	6.978	43	148869	242.255	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	117011	45.054	ug/l	96
27) cis-1,2-Dichloroethene	6.972	96	93485	53.051	ug/l	89
28) Bromochloromethane	7.325	49	58808	53.099	ug/l #	87
29) Tetrahydrofuran	7.338	42	103700	260.903	ug/l	94
30) Chloroform	7.496	83	149739	51.922	ug/l	97
31) Cyclohexane	7.777	56	130980	51.126	ug/l	91
32) 1,1,1-Trichloroethane	7.691	97	135191	53.170	ug/l	97
36) 1,1-Dichloropropene	7.905	75	115972	55.564	ug/l	98
37) Ethyl Acetate	7.063	43	69480	53.106	ug/l	98
38) Carbon Tetrachloride	7.892	117	124884	55.946	ug/l	98
39) Methylcyclohexane	9.179	83	143316	57.203	ug/l	92
40) Benzene	8.155	78	334610	54.595	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	38592m	56.806	ug/l	
42) 1,2-Dichloroethane	8.228	62	101051	54.917	ug/l	93
43) Isopropyl Acetate	8.264	43	135151	55.364	ug/l	94
44) Trichloroethene	8.935	130	94104	54.351	ug/l	98
45) 1,2-Dichloropropane	9.209	63	85172	54.912	ug/l	96
46) Dibromomethane	9.301	93	50420	55.385	ug/l	99
47) Bromodichloromethane	9.490	83	119905	55.337	ug/l	99
48) Methyl methacrylate	9.289	41	60925	57.927	ug/l	94
49) 1,4-Dioxane	9.289	88	14344	1069.923	ug/l	92
51) 4-Methyl-2-Pentanone	10.063	43	367208	286.037	ug/l	96
52) Toluene	10.240	92	226130	57.899	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	128550	56.297	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	138993	54.590	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	72860	55.478	ug/l	97
56) Ethyl methacrylate	10.508	69	103516	59.368	ug/l	87
57) 1,3-Dichloropropane	10.782	76	122643	56.647	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	239507	281.188	ug/l	96
59) 2-Hexanone	10.825	43	255105	286.773	ug/l	93
60) Dibromochloromethane	10.977	129	90970	57.200	ug/l	100
61) 1,2-Dibromoethane	11.087	107	71503	56.791	ug/l	98
64) Tetrachloroethene	10.715	164	94990	48.742	ug/l	95
65) Chlorobenzene	11.514	112	251819	55.008	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	94715	55.003	ug/l	98
67) Ethyl Benzene	11.587	91	446824	55.910	ug/l	96
68) m/p-Xylenes	11.697	106	360874	115.780	ug/l	92
69) o-Xylene	12.026	106	172891	57.870	ug/l	92
70) Styrene	12.038	104	298762	59.871	ug/l	95
71) Bromoform	12.203	173	63578	57.927	ug/l #	97
73) Isopropylbenzene	12.325	105	461429	54.809	ug/l	99
74) N-amyl acetate	12.142	43	134818	56.283	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	92848	55.081	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	66344m	50.912	ug/l	
77) Bromobenzene	12.605	156	109507	53.430	ug/l	96
78) n-propylbenzene	12.666	91	560671	55.124	ug/l	98
79) 2-Chlorotoluene	12.751	91	318204	55.881	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	386814	54.968	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.373	75	32466	50.990	ug/l	88
82) 4-Chlorotoluene	12.849	91	329606	55.233	ug/l	97
83) tert-Butylbenzene	13.074	119	352566	56.315	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	388880	55.520	ug/l	97
85) sec-Butylbenzene	13.251	105	517855	56.165	ug/l	98
86) p-Isopropyltoluene	13.367	119	428707	55.780	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	219388	54.228	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	221174	54.016	ug/l	99
89) n-Butylbenzene	13.690	91	399883	55.717	ug/l	97
90) Hexachloroethane	13.958	117	83013	55.049	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	202219	54.556	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15235	51.564	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	116143	51.375	ug/l	100
94) Hexachlorobutadiene	15.111	225	64214	51.665	ug/l	98
95) Naphthalene	15.233	128	247404	52.930	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	101302	51.736	ug/l	99

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

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