

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007918.D
 Acq On : 18 Mar 2022 22:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 01:39:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	245790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	424900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	381113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	136166	48.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.180%		
35) Dibromofluoromethane	7.715	113	143436	48.068	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.140%		
50) Toluene-d8	10.178	98	475371	53.144	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.280%		
62) 4-Bromofluorobenzene	12.483	95	186707	43.596	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	76963	47.896	ug/l	99
3) Chloromethane	2.113	50	103981	52.841	ug/l	96
4) Vinyl Chloride	2.247	62	132931	53.739	ug/l	98
5) Bromomethane	2.649	94	97595	60.321	ug/l	97
6) Chloroethane	2.790	64	96289	47.904	ug/l	97
7) Trichlorofluoromethane	3.125	101	204555	45.391	ug/l	93
8) Diethyl Ether	3.527	74	80821	48.323	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.905	101	134514	46.213	ug/l	91
10) Methyl Iodide	4.088	142	137390	51.063	ug/l	90
11) Tert butyl alcohol	4.954	59	86534	265.050	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	117090	43.872	ug/l	83
13) Acrolein	3.728	56	20968	106.631	ug/l	96
14) Allyl chloride	4.478	41	205681	45.818	ug/l #	92
15) Acrylonitrile	5.155	53	234393	262.971	ug/l	98
16) Acetone	3.948	43	168238	226.293	ug/l #	88
17) Carbon Disulfide	4.192	76	248924	48.786	ug/l	99
18) Methyl Acetate	4.478	43	99748	57.204	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	430735	51.450	ug/l	96
20) Methylene Chloride	4.716	84	160447	56.209	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	136151	45.567	ug/l	89
22) Diisopropyl ether	6.118	45	487569	50.484	ug/l #	92
23) Vinyl Acetate	6.057	43	1621449	268.050	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	268117	49.287	ug/l	97
25) 2-Butanone	6.984	43	292919	245.977	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	229760	45.570	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	178191	49.685	ug/l	87
28) Bromochloromethane	7.331	49	115509	53.758	ug/l	84
29) Tetrahydrofuran	7.350	42	195672	256.443	ug/l #	87
30) Chloroform	7.502	83	288284	51.271	ug/l	100
31) Cyclohexane	7.783	56	202186	49.577	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	246645	48.703	ug/l	96
36) 1,1-Dichloropropene	7.917	75	190120	42.956	ug/l	96
37) Ethyl Acetate	7.069	43	131593	48.728	ug/l #	94
38) Carbon Tetrachloride	7.898	117	211977	44.821	ug/l	98
39) Methylcyclohexane	9.185	83	230170	46.743	ug/l	90
40) Benzene	8.161	78	586313	45.333	ug/l	96

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41) Methacrylonitrile	7.307	41	71361m	42.847	ug/l	
42) 1,2-Dichloroethane	8.234	62	180920	48.314	ug/l	92
43) Isopropyl Acetate	8.270	43	255731	49.119	ug/l #	91
44) Trichloroethene	8.941	130	160917	44.995	ug/l	100
45) 1,2-Dichloropropane	9.215	63	157213	46.945	ug/l	95
46) Dibromomethane	9.307	93	94450	48.211	ug/l	94
47) Bromodichloromethane	9.496	83	231811	48.979	ug/l	99
48) Methyl methacrylate	9.288	41	109362	47.220	ug/l #	84
49) 1,4-Dioxane	9.294	88	26689	961.921	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	675685	246.327	ug/l	90
52) Toluene	10.246	92	375613	45.222	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	236199	46.782	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	261521	46.449	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	140071	49.212	ug/l	97
56) Ethyl methacrylate	10.508	69	195820	47.923	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	230337	48.528	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	510967	254.911	ug/l	95
59) 2-Hexanone	10.831	43	470748	239.984	ug/l	88
60) Dibromochloromethane	10.983	129	167870	49.245	ug/l	99
61) 1,2-Dibromoethane	11.087	107	133065	48.325	ug/l	99
64) Tetrachloroethene	10.721	164	124241	41.893	ug/l	95
65) Chlorobenzene	11.514	112	423768	46.417	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	168004	48.876	ug/l	98
67) Ethyl Benzene	11.593	91	736378	45.280	ug/l	98
68) m/p-Xylenes	11.703	106	570496	89.930	ug/l	93
69) o-Xylene	12.026	106	284536	46.370	ug/l	92
70) Styrene	12.044	104	486492	47.156	ug/l	96
71) Bromoform	12.209	173	107255	48.715	ug/l #	99
73) Isopropylbenzene	12.331	105	749311	46.515	ug/l	99
74) N-amyl acetate	12.142	43	231066	48.618	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.580	83	175137	50.507	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	127520m	48.886	ug/l	
77) Bromobenzene	12.611	156	174258	47.338	ug/l	100
78) n-propylbenzene	12.672	91	887377	45.618	ug/l	98
79) 2-Chlorotoluene	12.757	91	509923	46.593	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	612258	46.217	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	57955	46.666	ug/l #	84
82) 4-Chlorotoluene	12.855	91	519393	45.684	ug/l	99
83) tert-Butylbenzene	13.074	119	557895	47.061	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	600062	46.207	ug/l	98
85) sec-Butylbenzene	13.251	105	819646	46.135	ug/l	100
86) p-Isopropyltoluene	13.367	119	659664	45.736	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	338889	47.138	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	340875	47.307	ug/l	98
89) n-Butylbenzene	13.696	91	627439	45.330	ug/l	98
90) Hexachloroethane	13.958	117	137677	47.824	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	312942	48.392	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28652	48.029	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	183189	44.812	ug/l	97
94) Hexachlorobutadiene	15.111	225	90356	41.430	ug/l	98
95) Naphthalene	15.239	128	448093	49.130	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	165110	45.793	ug/l	98

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

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