

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009560.D
 Acq On : 13 Jul 2022 17:11
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 02:45:10 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	7.777	168	153684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	239217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	225256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	52888	48.683	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.360%		
35) Dibromofluoromethane	7.710	113	57523	45.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.400%		
50) Toluene-d8	10.173	98	170576	49.317	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	98.640%		
62) 4-Bromofluorobenzene	12.477	95	96846	54.508	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	109.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	166886	141.603	ug/l	100
3) Chloromethane	2.107	50	67709	51.446	ug/l	96
4) Vinyl Chloride	2.241	62	83507	55.729	ug/l	99
5) Bromomethane	2.625	94	56325	52.321	ug/l	100
6) Chloroethane	2.778	64	48122	55.006	ug/l	97
7) Trichlorofluoromethane	3.107	101	109548	54.758	ug/l	96
8) Diethyl Ether	3.515	74	38080	49.752	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.881	101	65624	48.414	ug/l	95
10) Methyl Iodide	4.076	142	85417	47.155	ug/l	91
11) Tert butyl alcohol	4.948	59	40892	200.871	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	63369	50.404	ug/l #	80
13) Acrolein	3.717	56	20884	181.236	ug/l	99
14) Allyl chloride	4.466	41	108686	50.245	ug/l	97
15) Acrylonitrile	5.149	53	107386	254.981	ug/l	98
16) Acetone	3.936	43	86912	232.472	ug/l	94
17) Carbon Disulfide	4.180	76	179968	43.688	ug/l	98
18) Methyl Acetate	4.466	43	50604	46.100	ug/l	96
19) Methyl tert-butyl Ether	5.210	73	197772	51.974	ug/l	99
20) Methylene Chloride	4.698	84	83444	46.841	ug/l	89
21) trans-1,2-Dichloroethene	5.204	96	74464	50.549	ug/l	87
22) Diisopropyl ether	6.106	45	262542	57.090	ug/l	94
23) Vinyl Acetate	6.045	43	871707	272.823	ug/l	97
24) 1,1-Dichloroethane	6.003	63	131639	50.760	ug/l	98
25) 2-Butanone	6.972	43	156007	257.954	ug/l	95
26) 2,2-Dichloropropane	6.972	77	127297	49.803	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	87897	50.682	ug/l	91
28) Bromochloromethane	7.326	49	58663	53.820	ug/l	89
29) Tetrahydrofuran	7.338	42	106171	271.417	ug/l	94
30) Chloroform	7.496	83	140784	49.602	ug/l	99
31) Cyclohexane	7.771	56	122065	48.412	ug/l	91
32) 1,1,1-Trichloroethane	7.691	97	126812	50.677	ug/l	98
36) 1,1-Dichloropropene	7.905	75	108417	52.907	ug/l	97
37) Ethyl Acetate	7.064	43	71593	55.736	ug/l	97
38) Carbon Tetrachloride	7.893	117	115364	52.640	ug/l	95
39) Methylcyclohexane	9.179	83	129747	52.748	ug/l	91
40) Benzene	8.149	78	312864	51.993	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	40554m	60.801	ug/l	
42) 1,2-Dichloroethane	8.228	62	96532	53.434	ug/l	92
43) Isopropyl Acetate	8.265	43	132664	55.353	ug/l	96
44) Trichloroethene	8.929	130	89231	52.492	ug/l	100
45) 1,2-Dichloropropane	9.210	63	80034	52.556	ug/l	98
46) Dibromomethane	9.301	93	47898	53.590	ug/l	97
47) Bromodichloromethane	9.490	83	112026	52.660	ug/l	99
48) Methyl methacrylate	9.289	41	57359	55.548	ug/l	90
49) 1,4-Dioxane	9.283	88	14392	1093.415	ug/l	89
51) 4-Methyl-2-Pentanone	10.063	43	365816	290.238	ug/l	95
52) Toluene	10.240	92	211501	55.158	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	123882	55.259	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	133632	53.458	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	70640	54.785	ug/l	94
56) Ethyl methacrylate	10.508	69	99708	58.245	ug/l	87
57) 1,3-Dichloropropane	10.782	76	115658	54.412	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	225067	269.136	ug/l	96
59) 2-Hexanone	10.831	43	262981	301.110	ug/l	95
60) Dibromochloromethane	10.977	129	86700	55.527	ug/l	100
61) 1,2-Dibromoethane	11.081	107	67253	54.407	ug/l	99
64) Tetrachloroethene	10.715	164	87779	46.608	ug/l	97
65) Chlorobenzene	11.514	112	234360	52.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	88859	53.396	ug/l	98
67) Ethyl Benzene	11.587	91	414951	53.727	ug/l	97
68) m/p-Xylenes	11.697	106	335253	111.300	ug/l	92
69) o-Xylene	12.026	106	162601	56.318	ug/l	90
70) Styrene	12.038	104	280618	58.190	ug/l	95
71) Bromoform	12.203	173	60751	57.276	ug/l #	100
73) Isopropylbenzene	12.325	105	429692	50.686	ug/l	99
74) N-amyl acetate	12.142	43	134576	55.793	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	88957	52.407	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	62511m	47.638	ug/l	
77) Bromobenzene	12.605	156	103687	50.240	ug/l	95
78) n-propylbenzene	12.666	91	528827	51.633	ug/l	98
79) 2-Chlorotoluene	12.752	91	297455	51.875	ug/l	96
80) 1,3,5-Trimethylbenzene	12.806	105	363263	51.264	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.374	75	33487	52.229	ug/l	89
82) 4-Chlorotoluene	12.849	91	313262	52.130	ug/l	97
83) tert-Butylbenzene	13.075	119	327344	51.924	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	369198	52.345	ug/l	97
85) sec-Butylbenzene	13.251	105	489460	52.717	ug/l	99
86) p-Isopropyltoluene	13.367	119	410942	53.098	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	211199	51.842	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	211824	51.374	ug/l	100
89) n-Butylbenzene	13.697	91	383456	53.058	ug/l	98
90) Hexachloroethane	13.959	117	77720	51.182	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	196199	52.565	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15284	51.372	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	114281	50.201	ug/l	100
94) Hexachlorobutadiene	15.111	225	61068	48.793	ug/l	98
95) Naphthalene	15.233	128	240059	51.003	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	99084	50.253	ug/l	100

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

