

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101723\
 Data File : VY016011.D
 Acq On : 17 Oct 2023 17:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 18 06:11:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	220981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	359844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	334397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	126032	49.973	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.940%		
35) Dibromofluoromethane	7.728	113	113889	50.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.540%		
50) Toluene-d8	10.185	98	415856	49.018	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.040%		
62) 4-Bromofluorobenzene	12.483	95	151623	50.191	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	83674	45.253	ug/l	97
3) Chloromethane	2.119	50	103120	34.652	ug/l	98
4) Vinyl Chloride	2.253	62	114666	48.478	ug/l	100
5) Bromomethane	2.662	94	79246	59.231	ug/l	99
6) Chloroethane	2.802	64	70381	46.043	ug/l	99
7) Trichlorofluoromethane	3.125	101	198631	49.509	ug/l	99
8) Diethyl Ether	3.540	74	74853	49.920	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	104460	45.790	ug/l	94
10) Methyl Iodide	4.094	142	135683	51.723	ug/l	95
11) Tert butyl alcohol	5.088	59	194151m	132.688	ug/l	
12) 1,1-Dichloroethene	3.869	96	99434	46.269	ug/l	93
13) Acrolein	3.747	56	104004	218.350	ug/l	100
14) Allyl chloride	4.485	41	162579	46.816	ug/l	91
15) Acrylonitrile	5.192	53	300510	227.501	ug/l	98
16) Acetone	3.991	43	223941	152.860	ug/l	90
17) Carbon Disulfide	4.198	76	294121	44.777	ug/l	97
18) Methyl Acetate	4.509	43	238618	46.957	ug/l	93
19) Methyl tert-butyl Ether	5.247	73	350931	48.712	ug/l	98
20) Methylene Chloride	4.722	84	125241	44.304	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	115257	45.883	ug/l	96
22) Diisopropyl ether	6.137	45	345821	47.955	ug/l	96
23) Vinyl Acetate	6.082	43	1201506	253.262	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	200092	46.635	ug/l	98
25) 2-Butanone	7.021	43	396359	185.892	ug/l	93
26) 2,2-Dichloropropane	6.990	77	168515	47.298	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	130948	46.361	ug/l	93
28) Bromochloromethane	7.344	49	99995	52.225	ug/l	91
29) Tetrahydrofuran	7.374	42	318999	218.256	ug/l	90
30) Chloroform	7.521	83	212826	47.790	ug/l	95
31) Cyclohexane	7.795	56	174103	43.366	ug/l	90
32) 1,1,1-Trichloroethane	7.710	97	186194	47.010	ug/l	97
36) 1,1-Dichloropropene	7.929	75	160027	46.816	ug/l	98
37) Ethyl Acetate	7.094	43	223568	42.389	ug/l	99
38) Carbon Tetrachloride	7.911	117	167178	46.440	ug/l	98
39) Methylcyclohexane	9.191	83	197962	45.139	ug/l	93
40) Benzene	8.167	78	462929	46.807	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	79371	45.642	ug/l #	90
42) 1,2-Dichloroethane	8.246	62	153328	48.316	ug/l	93
43) Isopropyl Acetate	8.289	43	277281	48.937	ug/l #	97
44) Trichloroethene	8.947	130	136712	44.855	ug/l	97
45) 1,2-Dichloropropane	9.222	63	120938	47.921	ug/l	95
46) Dibromomethane	9.313	93	84745	47.773	ug/l	97
47) Bromodichloromethane	9.502	83	171514	47.881	ug/l	98
48) Methyl methacrylate	9.301	41	122633	48.999	ug/l	86
49) 1,4-Dioxane	9.368	88	49908m	1008.841	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	920939	220.547	ug/l	90
52) Toluene	10.246	92	299732	47.401	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	192762	47.994	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	204930	47.465	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	119331	47.249	ug/l	96
56) Ethyl methacrylate	10.514	69	192520	48.693	ug/l #	84
57) 1,3-Dichloropropane	10.794	76	197247	46.036	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	471941	272.012	ug/l	95
59) 2-Hexanone	10.837	43	747031	209.579	ug/l	88
60) Dibromochloromethane	10.989	129	136183	47.416	ug/l	99
61) 1,2-Dibromoethane	11.093	107	125577	45.952	ug/l	100
64) Tetrachloroethene	10.727	164	127492	43.736	ug/l	97
65) Chlorobenzene	11.520	112	327002	46.671	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	123559	47.639	ug/l	98
67) Ethyl Benzene	11.593	91	575503	46.975	ug/l	99
68) m/p-Xylenes	11.703	106	448592	94.880	ug/l	95
69) o-Xylene	12.032	106	216440	47.883	ug/l	97
70) Styrene	12.044	104	369886	48.082	ug/l	96
71) Bromoform	12.209	173	103187	46.718	ug/l #	98
73) Isopropylbenzene	12.331	105	558158	46.996	ug/l	99
74) N-amyl acetate	12.148	43	230958	48.135	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	173077	47.444	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	152204m	46.357	ug/l	
77) Bromobenzene	12.611	156	141323	47.399	ug/l	93
78) n-propylbenzene	12.672	91	683937	47.356	ug/l	99
79) 2-Chlorotoluene	12.757	91	384876	47.115	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	471970	47.833	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	64759	46.463	ug/l	92
82) 4-Chlorotoluene	12.855	91	397530	47.350	ug/l	100
83) tert-Butylbenzene	13.074	119	401968	46.361	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	484692	48.936	ug/l	99
85) sec-Butylbenzene	13.257	105	601662	46.757	ug/l	100
86) p-Isopropyltoluene	13.373	119	505853	47.043	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	272211	47.542	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	271873	47.021	ug/l	99
89) n-Butylbenzene	13.696	91	481267	47.595	ug/l	96
90) Hexachloroethane	13.965	117	95907	46.536	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	253982	47.278	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	42976	41.182	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	167844	47.534	ug/l	98
94) Hexachlorobutadiene	15.111	225	78508	43.790	ug/l	98
95) Naphthalene	15.239	128	546064	47.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	157798	46.614	ug/l	97

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

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