

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013910.D
 Acq On : 30 May 2023 11:03
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 30 15:36:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	270819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	368971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	183251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	158192	50.490	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.716	113	138074	52.138	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.280%			
50) Toluene-d8	10.178	98	507607	50.433	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.477	95	176485	52.751	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	121337	48.913	ug/l	98
3) Chloromethane	2.113	50	141795	46.919	ug/l	98
4) Vinyl Chloride	2.253	62	141599	45.816	ug/l	100
5) Bromomethane	2.655	94	105840	43.095	ug/l	97
6) Chloroethane	2.796	64	90878	45.126	ug/l	98
7) Trichlorofluoromethane	3.125	101	238284	45.811	ug/l	96
8) Diethyl Ether	3.533	74	71860	45.042	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	126015	44.691	ug/l	100
10) Methyl Iodide	4.088	142	153416	45.830	ug/l	98
11) Tert butyl alcohol	4.936	59	80236	334.293	ug/l #	73
12) 1,1-Dichloroethene	3.875	96	119723	45.195	ug/l	97
13) Acrolein	3.728	56	86451	239.454	ug/l	99
14) Allyl chloride	4.484	41	220089	45.508	ug/l	99
15) Acrylonitrile	5.161	53	187689	229.445	ug/l	99
16) Acetone	3.954	43	252116	271.120	ug/l	98
17) Carbon Disulfide	4.192	76	358959	45.396	ug/l	99
18) Methyl Acetate	4.478	43	142460	44.159	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	344222	47.615	ug/l	100
20) Methylene Chloride	4.716	84	143944	43.318	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	134945	46.862	ug/l	96
22) Diisopropyl ether	6.118	45	420702	45.054	ug/l	100
23) Vinyl Acetate	6.057	43	1227442	225.689	ug/l	100
24) 1,1-Dichloroethane	6.015	63	237222	43.517	ug/l	98
25) 2-Butanone	6.990	43	267591	235.825	ug/l	99
26) 2,2-Dichloropropane	6.984	77	225502	45.924	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	145542	44.991	ug/l	99
28) Bromochloromethane	7.331	49	65853	41.157	ug/l	98
29) Tetrahydrofuran	7.350	42	149465	220.623	ug/l	98
30) Chloroform	7.508	83	250743	45.369	ug/l	99
31) Cyclohexane	7.783	56	200358	41.622	ug/l	99
32) 1,1,1-Trichloroethane	7.703	97	229771	45.572	ug/l	99
36) 1,1-Dichloropropene	7.917	75	183128	45.401	ug/l	99
37) Ethyl Acetate	7.075	43	110203	44.790	ug/l	99
38) Carbon Tetrachloride	7.898	117	210526	45.895	ug/l	98
39) Methylcyclohexane	9.179	83	207156	43.854	ug/l	95
40) Benzene	8.161	78	527780	45.556	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	63965m	47.648	ug/l	
42) 1,2-Dichloroethane	8.234	62	176485	46.527	ug/l	98
43) Isopropyl Acetate	8.270	43	195735	43.656	ug/l	99
44) Trichloroethene	8.941	130	141137	45.218	ug/l	99
45) 1,2-Dichloropropane	9.215	63	134267	45.240	ug/l	100
46) Dibromomethane	9.301	93	77974	45.875	ug/l	99
47) Bromodichloromethane	9.496	83	189851	45.833	ug/l	99
48) Methyl methacrylate	9.288	41	90663	43.062	ug/l	93
49) 1,4-Dioxane	9.313	88	18795	940.885	ug/l #	98
51) 4-Methyl-2-Pentanone	10.069	43	534902	223.866	ug/l	99
52) Toluene	10.239	92	326683	46.248	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	195828	46.444	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	215022	45.521	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	102681	44.904	ug/l	96
56) Ethyl methacrylate	10.508	69	144697	47.404	ug/l	99
57) 1,3-Dichloropropane	10.788	76	178701	45.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	186836	191.829	ug/l	100
59) 2-Hexanone	10.831	43	404265	237.858	ug/l	100
60) Dibromochloromethane	10.983	129	136874	47.319	ug/l	99
61) 1,2-Dibromoethane	11.087	107	102046	46.911	ug/l	100
64) Tetrachloroethene	10.715	164	121822	44.623	ug/l	98
65) Chlorobenzene	11.514	112	350468	45.320	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	138955	46.556	ug/l	99
67) Ethyl Benzene	11.593	91	638911	45.911	ug/l	100
68) m/p-Xylenes	11.703	106	489212	92.891	ug/l	99
69) o-Xylene	12.026	106	232912	46.950	ug/l	97
70) Styrene	12.044	104	395100	47.017	ug/l	98
71) Bromoform	12.209	173	91639	46.976	ug/l #	97
73) Isopropylbenzene	12.331	105	617441	45.269	ug/l	100
74) N-amyl acetate	12.142	43	178147	43.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	124685	44.160	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	92724m	42.912	ug/l	
77) Bromobenzene	12.605	156	150513	44.974	ug/l	99
78) n-propylbenzene	12.672	91	754492	44.777	ug/l	99
79) 2-Chlorotoluene	12.757	91	417361	44.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	513805	45.637	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	46692	46.906	ug/l	97
82) 4-Chlorotoluene	12.855	91	439786	45.208	ug/l	98
83) tert-Butylbenzene	13.074	119	441427	45.017	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	514244	46.532	ug/l	99
85) sec-Butylbenzene	13.251	105	654365	44.924	ug/l	100
86) p-Isopropyltoluene	13.367	119	540835	44.923	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	290233	44.901	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	288409	44.817	ug/l	99
89) n-Butylbenzene	13.696	91	515163	44.622	ug/l	100
90) Hexachloroethane	13.958	117	109320	44.226	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	262362	45.672	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22028	44.531	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	158872	44.612	ug/l	99
94) Hexachlorobutadiene	15.111	225	98456	43.848	ug/l	97
95) Naphthalene	15.239	128	310987	40.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	139399	44.017	ug/l	99

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

