

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013889.D
 Acq On : 26 May 2023 11:54
 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 05/29/2023
 Supervised By :Mahesh Dadoda 05/30/2023

Quant Time: May 26 16:48:00 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	274032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	420322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	372202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	147322	46.470	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.940%		
35) Dibromofluoromethane	7.716	113	129482	47.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.400%		
50) Toluene-d8	10.179	98	477689	46.302	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.600%		
62) 4-Bromofluorobenzene	12.483	95	164551	47.984	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	120335	47.940	ug/l	95
3) Chloromethane	2.113	50	138162	45.181	ug/l	99
4) Vinyl Chloride	2.253	62	140699	44.991	ug/l	97
5) Bromomethane	2.656	94	105968	42.641	ug/l	95
6) Chloroethane	2.796	64	88755	43.555	ug/l	100
7) Trichlorofluoromethane	3.131	101	230363	43.769	ug/l	100
8) Diethyl Ether	3.534	74	69184	42.856	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	123875	43.417	ug/l	100
10) Methyl Iodide	4.088	142	148463	43.830	ug/l	98
11) Tert butyl alcohol	4.966	59	52867	217.681	ug/l	95
12) 1,1-Dichloroethene	3.875	96	116628	43.510	ug/l	95
13) Acrolein	3.729	56	81042	221.841	ug/l	96
14) Allyl chloride	4.479	41	209463	42.803	ug/l	98
15) Acrylonitrile	5.161	53	176038	212.679	ug/l	99
16) Acetone	3.954	43	196980	209.345	ug/l	97
17) Carbon Disulfide	4.198	76	354844	44.349	ug/l	99
18) Methyl Acetate	4.485	43	133970	41.040	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	322111	44.034	ug/l	99
20) Methylene Chloride	4.716	84	162778	48.726	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	132215	45.375	ug/l	97
22) Diisopropyl ether	6.112	45	431592	45.679	ug/l	99
23) Vinyl Acetate	6.058	43	1235276	224.467	ug/l	100
24) 1,1-Dichloroethane	6.021	63	246498	44.688	ug/l	99
25) 2-Butanone	6.990	43	231811	201.897	ug/l	96
26) 2,2-Dichloropropane	6.978	77	215958	43.465	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	142297	43.472	ug/l	98
28) Bromochloromethane	7.332	49	65733	40.600	ug/l	99
29) Tetrahydrofuran	7.350	42	140994	205.679	ug/l	98
30) Chloroform	7.502	83	244650	43.748	ug/l	99
31) Cyclohexane	7.783	56	199870	41.033	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	224624	44.029	ug/l	99
36) 1,1-Dichloropropene	7.917	75	181952	44.008	ug/l	99
37) Ethyl Acetate	7.076	43	104010	41.241	ug/l	99
38) Carbon Tetrachloride	7.899	117	210116	44.688	ug/l	98
39) Methylcyclohexane	9.185	83	210820	43.540	ug/l	100
40) Benzene	8.161	78	513892	43.275	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	51222	37.224	ug/l	94
42) 1,2-Dichloroethane	8.234	62	166766	42.892	ug/l	100
43) Isopropyl Acetate	8.271	43	186429	40.566	ug/l	99
44) Trichloroethene	8.941	130	137081	42.847	ug/l	98
45) 1,2-Dichloropropane	9.216	63	130860	43.017	ug/l	99
46) Dibromomethane	9.307	93	75679	43.438	ug/l	98
47) Bromodichloromethane	9.496	83	185824	43.766	ug/l	100
48) Methyl methacrylate	9.295	41	90846	42.096	ug/l	100
49) 1,4-Dioxane	9.313	88	16974	828.989	ug/l #	96
51) 4-Methyl-2-Pentanone	10.069	43	503763	205.689	ug/l	100
52) Toluene	10.246	92	319864	44.177	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	188827	43.691	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	209209	43.209	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	101270	43.206	ug/l	95
56) Ethyl methacrylate	10.508	69	133662	42.720	ug/l	99
57) 1,3-Dichloropropane	10.788	76	170842	42.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	186843	187.155	ug/l	99
59) 2-Hexanone	10.831	43	360871	207.145	ug/l	100
60) Dibromochloromethane	10.984	129	127770	43.093	ug/l	100
61) 1,2-Dibromoethane	11.087	107	96095	43.097	ug/l	100
64) Tetrachloroethene	10.721	164	120335	43.696	ug/l	96
65) Chlorobenzene	11.514	112	337581	43.275	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	132292	43.939	ug/l	100
67) Ethyl Benzene	11.593	91	633321	45.114	ug/l	99
68) m/p-Xylenes	11.703	106	474513	89.318	ug/l	100
69) o-Xylene	12.032	106	223518	44.665	ug/l	98
70) Styrene	12.044	104	374310	44.157	ug/l	98
71) Bromoform	12.209	173	83509	42.437	ug/l	98
73) Isopropylbenzene	12.331	105	597074	43.778	ug/l	100
74) N-amyl acetate	12.142	43	165004	40.240	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	115670	40.969	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	77563m	35.897	ug/l	
77) Bromobenzene	12.611	156	143206	42.792	ug/l	98
78) n-propylbenzene	12.672	91	736869	43.733	ug/l	99
79) 2-Chlorotoluene	12.758	91	403822	42.907	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	503906	44.759	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	41802	41.995	ug/l	99
82) 4-Chlorotoluene	12.855	91	417392	42.908	ug/l	99
83) tert-Butylbenzene	13.075	119	424573	43.300	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	495143	44.805	ug/l	100
85) sec-Butylbenzene	13.258	105	640413	43.968	ug/l	100
86) p-Isopropyltoluene	13.373	119	534174	44.372	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	279008	43.166	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	273626	42.522	ug/l	99
89) n-Butylbenzene	13.696	91	502087	43.491	ug/l	100
90) Hexachloroethane	13.965	117	104675	42.349	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	247230	43.040	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19624	39.673	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	151925	42.663	ug/l	98
94) Hexachlorobutadiene	15.111	225	94729	42.189	ug/l	99
95) Naphthalene	15.239	128	285493	37.733	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	131407	41.495	ug/l	99

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

