

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014301.D
 Acq On : 20 Jun 2023 22:31
 Operator : KP/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 :Krupa Patel 06/22/2023
 Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 21 02:10:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	205454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	308062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	301095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	140679	49.172	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.340%		
35) Dibromofluoromethane	7.722	113	119262	54.589	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.180%		
50) Toluene-d8	10.185	98	411117	50.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.660%		
62) 4-Bromofluorobenzene	12.483	95	173026	59.635	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	119.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	104659	45.708	ug/l	99
3) Chloromethane	2.113	50	119389	41.121	ug/l	99
4) Vinyl Chloride	2.253	62	125909	44.605	ug/l	98
5) Bromomethane	2.631	94	94764	40.689	ug/l	98
6) Chloroethane	2.790	64	83678	43.626	ug/l	94
7) Trichlorofluoromethane	3.125	101	235249	51.300	ug/l	100
8) Diethyl Ether	3.534	74	77846	50.839	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	123037	53.162	ug/l	99
10) Methyl Iodide	4.095	142	143269	46.881	ug/l	99
11) Tert butyl alcohol	4.966	59	111963	345.903	ug/l #	83
12) 1,1-Dichloroethene	3.875	96	115660	49.305	ug/l	93
13) Acrolein	3.735	56	31219	233.831	ug/l	100
14) Allyl chloride	4.485	41	205635	48.360	ug/l	99
15) Acrylonitrile	5.168	53	244056	309.005	ug/l	99
16) Acetone	3.954	43	211470	245.215	ug/l	98
17) Carbon Disulfide	4.198	76	352343	46.351	ug/l	98
18) Methyl Acetate	4.485	43	239146	71.443	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	376018	54.349	ug/l	99
20) Methylene Chloride	4.716	84	179533	66.384	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	133797	51.137	ug/l	99
22) Diisopropyl ether	6.125	45	437079	53.686	ug/l	96
23) Vinyl Acetate	6.064	43	1232191	256.513	ug/l	98
24) 1,1-Dichloroethane	6.021	63	244561	52.100	ug/l	99
25) 2-Butanone	6.990	43	340790	321.027	ug/l	99
26) 2,2-Dichloropropane	6.990	77	209032	47.412	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	154762	52.876	ug/l	99
28) Bromochloromethane	7.338	49	93615	49.041	ug/l	96
29) Tetrahydrofuran	7.356	42	227528	338.006	ug/l	99
30) Chloroform	7.509	83	267528	53.721	ug/l	95
31) Cyclohexane	7.789	56	200566	52.332	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	241256	53.714	ug/l	99
36) 1,1-Dichloropropene	7.923	75	190683	55.985	ug/l	99
37) Ethyl Acetate	7.076	43	139165	59.217	ug/l	97
38) Carbon Tetrachloride	7.905	117	225004	57.246	ug/l	99
39) Methylcyclohexane	9.191	83	216795	57.369	ug/l	100
40) Benzene	8.167	78	557759	55.071	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	75297m	62.781	ug/l	
42) 1,2-Dichloroethane	8.240	62	199294	55.645	ug/l	100
43) Isopropyl Acetate	8.277	43	242778	58.942	ug/l	98
44) Trichloroethene	8.947	130	151410	55.954	ug/l	96
45) 1,2-Dichloropropane	9.222	63	141866	55.147	ug/l	98
46) Dibromomethane	9.313	93	89777	56.694	ug/l	100
47) Bromodichloromethane	9.502	83	207072	55.849	ug/l	99
48) Methyl methacrylate	9.295	41	122762	63.901	ug/l	97
49) 1,4-Dioxane	9.307	88	29082	1445.343	ug/l #	60
51) 4-Methyl-2-Pentanone	10.075	43	761644	340.358	ug/l	100
52) Toluene	10.246	92	355225	56.579	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	217101	55.621	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	233746	54.888	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	124929	59.480	ug/l	98
56) Ethyl methacrylate	10.514	69	176274	60.846	ug/l	98
57) 1,3-Dichloropropane	10.795	76	208566	58.060	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	436379	327.126	ug/l	98
59) 2-Hexanone	10.837	43	555068	343.430	ug/l	99
60) Dibromochloromethane	10.990	129	158412	58.928	ug/l	99
61) 1,2-Dibromoethane	11.093	107	121708	58.714	ug/l	100
64) Tetrachloroethene	10.721	164	159285	62.065	ug/l	98
65) Chlorobenzene	11.520	112	382959	52.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	153106	53.804	ug/l	98
67) Ethyl Benzene	11.593	91	697176	55.053	ug/l	100
68) m/p-Xylenes	11.709	106	536590	110.160	ug/l	99
69) o-Xylene	12.032	106	257237	55.857	ug/l	99
70) Styrene	12.044	104	443989	56.488	ug/l	99
71) Bromoform	12.209	173	114962	58.990	ug/l #	98
73) Isopropylbenzene	12.331	105	680553	52.725	ug/l	100
74) N-amyl acetate	12.148	43	214999	52.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	159656	55.356	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	137266m	61.836	ug/l	
77) Bromobenzene	12.611	156	173587	51.168	ug/l	99
78) n-propylbenzene	12.672	91	847047	53.728	ug/l	99
79) 2-Chlorotoluene	12.758	91	476049	52.478	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	592370	53.599	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	55575	54.117	ug/l	99
82) 4-Chlorotoluene	12.855	91	500882	52.105	ug/l	99
83) tert-Butylbenzene	13.075	119	512171	54.533	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	595987	54.477	ug/l	99
85) sec-Butylbenzene	13.258	105	748132	54.790	ug/l	100
86) p-Isopropyltoluene	13.373	119	628750	53.803	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	339801	52.461	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	339205	51.977	ug/l	99
89) n-Butylbenzene	13.696	91	593031	54.713	ug/l	99
90) Hexachloroethane	13.965	117	125454	53.874	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	311297	53.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	32521	59.212	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	191971	52.091	ug/l	99
94) Hexachlorobutadiene	15.111	225	116174	54.603	ug/l	98
95) Naphthalene	15.239	128	431889	57.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	177988	53.448	ug/l	100

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

