

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062823\
 Data File : VY014470.D
 Acq On : 28 Jun 2023 10:34
 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 06/29/2023
 Supervised By :Mahesh Dadoda 06/29/2023

Quant Time: Jun 29 02:13:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	265002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	379272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	196526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	155736	47.333	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.660%		
35) Dibromofluoromethane	7.716	113	122363	52.220	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.440%		
50) Toluene-d8	10.179	98	479165	51.442	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.880%		
62) 4-Bromofluorobenzene	12.483	95	169770	51.053	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	114313	46.471	ug/l	99
3) Chloromethane	2.113	50	112751	46.838	ug/l	98
4) Vinyl Chloride	2.253	62	127635	48.647	ug/l	97
5) Bromomethane	2.643	94	101016	43.819	ug/l	97
6) Chloroethane	2.790	64	82723	47.599	ug/l	98
7) Trichlorofluoromethane	3.125	101	252910	48.824	ug/l	100
8) Diethyl Ether	3.527	74	74196	46.979	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	122904	50.202	ug/l	97
10) Methyl Iodide	4.088	142	159962	49.472	ug/l	97
11) Tert butyl alcohol	4.948	59	92589	219.061	ug/l #	83
12) 1,1-Dichloroethene	3.875	96	120714	49.446	ug/l	89
13) Acrolein	3.729	56	131767	298.758	ug/l	99
14) Allyl chloride	4.479	41	188135	48.251	ug/l	92
15) Acrylonitrile	5.155	53	202956	229.815	ug/l	100
16) Acetone	3.942	43	258129	249.322	ug/l	99
17) Carbon Disulfide	4.192	76	368804	48.816	ug/l	99
18) Methyl Acetate	4.479	43	154793	43.490	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	367069	48.884	ug/l	99
20) Methylene Chloride	4.710	84	135358	44.679	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	135766	50.577	ug/l	98
22) Diisopropyl ether	6.112	45	378826	48.890	ug/l	97
23) Vinyl Acetate	6.058	43	1175619	297.166	ug/l	96
24) 1,1-Dichloroethane	6.015	63	225836	49.082	ug/l	99
25) 2-Butanone	6.978	43	298552	231.521	ug/l	98
26) 2,2-Dichloropropane	6.978	77	237416	48.799	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	149413	49.445	ug/l	97
28) Bromochloromethane	7.338	49	94859	47.272	ug/l #	82
29) Tetrahydrofuran	7.344	42	173426	225.545	ug/l	90
30) Chloroform	7.508	83	257184	49.550	ug/l	96
31) Cyclohexane	7.783	56	191086	47.019	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	249693	50.540	ug/l	98
36) 1,1-Dichloropropene	7.917	75	185235	51.299	ug/l	98
37) Ethyl Acetate	7.076	43	118152	47.479	ug/l	97
38) Carbon Tetrachloride	7.905	117	237601	52.289	ug/l	99
39) Methylcyclohexane	9.185	83	219620	52.865	ug/l	96
40) Benzene	8.161	78	532236	52.041	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	72984m	59.179	ug/l	
42) 1,2-Dichloroethane	8.234	62	192874	49.742	ug/l	99
43) Isopropyl Acetate	8.271	43	212245	48.302	ug/l	97
44) Trichloroethene	8.941	130	148019	50.410	ug/l	98
45) 1,2-Dichloropropane	9.215	63	123339	51.148	ug/l	97
46) Dibromomethane	9.307	93	83996	50.972	ug/l	96
47) Bromodichloromethane	9.496	83	197910	51.528	ug/l	97
48) Methyl methacrylate	9.295	41	98532	48.280	ug/l	94
49) 1,4-Dioxane	9.295	88	25568	992.300	ug/l #	62
51) 4-Methyl-2-Pentanone	10.069	43	600956	242.320	ug/l	97
52) Toluene	10.246	92	350651	53.287	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	213217	51.203	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	224073	52.169	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	113982	51.654	ug/l	94
56) Ethyl methacrylate	10.508	69	160923	51.065	ug/l	96
57) 1,3-Dichloropropane	10.788	76	188616	50.819	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	363274	246.092	ug/l	93
59) 2-Hexanone	10.831	43	465953	249.338	ug/l	97
60) Dibromochloromethane	10.983	129	152962	52.256	ug/l	99
61) 1,2-Dibromoethane	11.087	107	115414	52.532	ug/l	98
64) Tetrachloroethene	10.721	164	155900	51.752	ug/l	98
65) Chlorobenzene	11.520	112	379227	52.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	152811	52.162	ug/l	98
67) Ethyl Benzene	11.593	91	688151	53.137	ug/l	98
68) m/p-Xylenes	11.703	106	535449	105.858	ug/l	100
69) o-Xylene	12.032	106	253162	52.599	ug/l	99
70) Styrene	12.044	104	441351	53.502	ug/l	100
71) Bromoform	12.209	173	110812	51.180	ug/l	98
73) Isopropylbenzene	12.331	105	681348	51.488	ug/l	99
74) N-amyl acetate	12.142	43	200351	47.806	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	137132	48.490	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	94254m	38.233	ug/l	
77) Bromobenzene	12.611	156	174243	50.641	ug/l	93
78) n-propylbenzene	12.672	91	820378	51.386	ug/l	98
79) 2-Chlorotoluene	12.758	91	464405	50.934	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	589847	51.527	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	51526	47.584	ug/l	93
82) 4-Chlorotoluene	12.855	91	487551	50.195	ug/l	98
83) tert-Butylbenzene	13.075	119	500661	51.016	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	589181	51.941	ug/l	99
85) sec-Butylbenzene	13.251	105	737018	51.932	ug/l	99
86) p-Isopropyltoluene	13.373	119	636487	51.800	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	337113	50.796	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	338821	50.783	ug/l	100
89) n-Butylbenzene	13.696	91	579526	51.619	ug/l	99
90) Hexachloroethane	13.965	117	117535	50.281	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	310258	51.210	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	29918	47.865	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	201843	51.279	ug/l	100
94) Hexachlorobutadiene	15.111	225	117975	49.896	ug/l	97
95) Naphthalene	15.239	128	417548	49.339	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	177932	49.645	ug/l	100

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

