

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013789.D
 Acq On : 17 May 2023 20:20
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023

Quant Time: May 18 07:19:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	236550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	374997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	338358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	143455	52.205	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.400%			
35) Dibromofluoromethane	7.722	113	124422	51.741	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.480%			
50) Toluene-d8	10.185	98	466036	51.120	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.483	95	158982	52.502	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	85062	50.084	ug/l	96
3) Chloromethane	2.113	50	121118	47.039	ug/l	98
4) Vinyl Chloride	2.253	62	121094	47.098	ug/l	98
5) Bromomethane	2.656	94	101034	44.314	ug/l	99
6) Chloroethane	2.802	64	83550	47.276	ug/l	96
7) Trichlorofluoromethane	3.131	101	189156	50.549	ug/l	99
8) Diethyl Ether	3.534	74	63973	51.091	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	107744	49.197	ug/l	99
10) Methyl Iodide	4.094	142	116431	48.390	ug/l	99
11) Tert butyl alcohol	4.978	59	71229	319.973	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	98053	49.395	ug/l	96
13) Acrolein	3.735	56	90789	228.296	ug/l	100
14) Allyl chloride	4.491	41	197696	50.556	ug/l	99
15) Acrylonitrile	5.174	53	190195	259.015	ug/l	99
16) Acetone	3.960	43	180095	217.228	ug/l	95
17) Carbon Disulfide	4.204	76	271363	47.573	ug/l	100
18) Methyl Acetate	4.485	43	146924	50.832	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	319788	53.098	ug/l	98
20) Methylene Chloride	4.722	84	152421	62.519	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	112786	50.458	ug/l	91
22) Diisopropyl ether	6.125	45	432244	51.966	ug/l	99
23) Vinyl Acetate	6.070	43	1264282	262.665	ug/l	99
24) 1,1-Dichloroethane	6.027	63	230059	50.595	ug/l	99
25) 2-Butanone	6.996	43	259244	240.545	ug/l	99
26) 2,2-Dichloropropane	6.990	77	190037	48.928	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	136007	51.639	ug/l	98
28) Bromochloromethane	7.344	49	74362	46.740	ug/l	99
29) Tetrahydrofuran	7.356	42	165353	256.417	ug/l	99
30) Chloroform	7.515	83	232235	50.683	ug/l	97
31) Cyclohexane	7.795	56	177444	45.038	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	198263	50.690	ug/l	100
36) 1,1-Dichloropropene	7.923	75	164931	49.640	ug/l	99
37) Ethyl Acetate	7.082	43	116396	50.929	ug/l	99
38) Carbon Tetrachloride	7.911	117	177336	50.594	ug/l	95
39) Methylcyclohexane	9.191	83	182304	48.275	ug/l	98
40) Benzene	8.167	78	482382	49.960	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	46764	41.175	ug/l	95
42) 1,2-Dichloroethane	8.240	62	161956	51.914	ug/l	100
43) Isopropyl Acetate	8.277	43	210122	50.653	ug/l	99
44) Trichloroethene	8.947	130	124707	49.408	ug/l	97
45) 1,2-Dichloropropane	9.222	63	134143	50.559	ug/l	100
46) Dibromomethane	9.313	93	75023	50.488	ug/l	99
47) Bromodichloromethane	9.502	83	182361	51.821	ug/l	97
48) Methyl methacrylate	9.295	41	97414	51.122	ug/l	100
49) 1,4-Dioxane	9.313	88	18948	1038.971	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	588202	254.630	ug/l	99
52) Toluene	10.246	92	295658	50.510	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	184349	50.809	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	204121	50.422	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	101584	50.264	ug/l	98
56) Ethyl methacrylate	10.514	69	143713	53.284	ug/l	97
57) 1,3-Dichloropropane	10.794	76	178278	51.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	224031	229.270	ug/l	98
59) 2-Hexanone	10.837	43	404313	246.231	ug/l	100
60) Dibromochloromethane	10.990	129	127861	52.212	ug/l	99
61) 1,2-Dibromoethane	11.093	107	96832	50.809	ug/l	100
64) Tetrachloroethene	10.721	164	106623	49.675	ug/l	98
65) Chlorobenzene	11.520	112	320752	50.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	126404	50.796	ug/l	99
67) Ethyl Benzene	11.599	91	580370	50.998	ug/l	99
68) m/p-Xylenes	11.703	106	432123	101.378	ug/l	98
69) o-Xylene	12.032	106	208049	51.310	ug/l	100
70) Styrene	12.044	104	357666	51.935	ug/l	100
71) Bromoform	12.209	173	84707	51.526	ug/l #	98
73) Isopropylbenzene	12.331	105	554826	50.810	ug/l	99
74) N-amyl acetate	12.148	43	182656	49.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	129961	50.240	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	86511m	44.316	ug/l	
77) Bromobenzene	12.611	156	135260	51.349	ug/l	98
78) n-propylbenzene	12.672	91	683034	50.778	ug/l	99
79) 2-Chlorotoluene	12.758	91	386586	50.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	457358	51.365	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	42780	48.790	ug/l	98
82) 4-Chlorotoluene	12.855	91	395542	50.018	ug/l	99
83) tert-Butylbenzene	13.081	119	404519	52.170	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	452376	51.837	ug/l	100
85) sec-Butylbenzene	13.257	105	596834	51.015	ug/l	100
86) p-Isopropyltoluene	13.373	119	482145	51.036	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	257108	50.137	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	256644	49.772	ug/l	99
89) n-Butylbenzene	13.696	91	459747	49.638	ug/l	100
90) Hexachloroethane	13.965	117	98290	49.235	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	232725	50.964	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20348	48.547	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	132374	48.849	ug/l	100
94) Hexachlorobutadiene	15.111	225	79925	47.479	ug/l	99
95) Naphthalene	15.239	128	269364	50.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	116147	47.638	ug/l	99

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

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