

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014419.D
 Acq On : 23 Jun 2023 19:45
 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 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

Quant Time: Jun 23 23:15:17 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	7.795	168	225784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	347505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	336314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	186844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	153887	54.895	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.780%			
35) Dibromofluoromethane	7.722	113	110238	51.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.700%			
50) Toluene-d8	10.185	98	427499	50.091	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.180%			
62) 4-Bromofluorobenzene	12.483	95	158189	51.919	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	88799	42.369	ug/l	99
3) Chloromethane	2.113	50	92533	45.116	ug/l	97
4) Vinyl Chloride	2.253	62	98506	44.066	ug/l	99
5) Bromomethane	2.650	94	93724	47.718	ug/l	97
6) Chloroethane	2.796	64	70722	47.762	ug/l	98
7) Trichlorofluoromethane	3.125	101	206722	46.839	ug/l	98
8) Diethyl Ether	3.534	74	67998	50.533	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	94709	45.405	ug/l	94
10) Methyl Iodide	4.095	142	116411	42.676	ug/l	94
11) Tert butyl alcohol	4.960	59	99372	280.480	ug/l #	81
12) 1,1-Dichloroethene	3.875	96	98560	47.384	ug/l	97
13) Acrolein	3.735	56	90808	242.485	ug/l	98
14) Allyl chloride	4.485	41	158862	47.821	ug/l	91
15) Acrylonitrile	5.168	53	195939	260.408	ug/l	100
16) Acetone	3.954	43	181081	205.283	ug/l	96
17) Carbon Disulfide	4.198	76	303085	47.085	ug/l	98
18) Methyl Acetate	4.479	43	151221	49.867	ug/l	93
19) Methyl tert-butyl Ether	5.228	73	354166	55.358	ug/l	98
20) Methylene Chloride	4.716	84	135784	53.713	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	114458	50.045	ug/l	98
22) Diisopropyl ether	6.125	45	334018	50.595	ug/l	96
23) Vinyl Acetate	6.064	43	926897m	274.992	ug/l	
24) 1,1-Dichloroethane	6.027	63	194839	49.701	ug/l	99
25) 2-Butanone	6.990	43	260083	236.721	ug/l	95
26) 2,2-Dichloropropane	6.990	77	188959	45.585	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	131785	51.187	ug/l	95
28) Bromochloromethane	7.338	49	86777	50.756	ug/l #	81
29) Tetrahydrofuran	7.350	42	171855	262.324	ug/l	89
30) Chloroform	7.515	83	229602	51.920	ug/l	97
31) Cyclohexane	7.789	56	153543	44.343	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	214815	51.033	ug/l	99
36) 1,1-Dichloropropene	7.923	75	155685	47.056	ug/l	98
37) Ethyl Acetate	7.082	43	113133	49.618	ug/l	97
38) Carbon Tetrachloride	7.905	117	203156	48.795	ug/l	99
39) Methylcyclohexane	9.185	83	176991	46.498	ug/l	95
40) Benzene	8.167	78	465387	49.665	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	50415m	44.616	ug/l	
42) 1,2-Dichloroethane	8.240	62	187581	52.799	ug/l	98
43) Isopropyl Acetate	8.277	43	204798	50.868	ug/l	96
44) Trichloroethene	8.941	130	130321	48.440	ug/l	95
45) 1,2-Dichloropropane	9.222	63	107728	48.758	ug/l	94
46) Dibromomethane	9.313	93	77861	51.568	ug/l	95
47) Bromodichloromethane	9.502	83	180657	51.335	ug/l	98
48) Methyl methacrylate	9.295	41	97761	52.281	ug/l	93
49) 1,4-Dioxane	9.301	88	25442	1077.674	ug/l #	60
51) 4-Methyl-2-Pentanone	10.075	43	586529	258.123	ug/l	97
52) Toluene	10.246	92	307170	50.947	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	199128	52.191	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	200136	50.855	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	104374	51.624	ug/l	97
56) Ethyl methacrylate	10.514	69	157285	54.473	ug/l	96
57) 1,3-Dichloropropane	10.795	76	178649	52.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	366287	270.816	ug/l	92
59) 2-Hexanone	10.837	43	440309	257.154	ug/l	98
60) Dibromochloromethane	10.990	129	144958	54.048	ug/l	99
61) 1,2-Dibromoethane	11.093	107	106744	53.027	ug/l	99
64) Tetrachloroethene	10.721	164	139966	48.907	ug/l	97
65) Chlorobenzene	11.520	112	339408	49.123	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	140675	50.545	ug/l	98
67) Ethyl Benzene	11.593	91	608547	49.462	ug/l	100
68) m/p-Xylenes	11.709	106	475240	98.896	ug/l	99
69) o-Xylene	12.032	106	227769	49.812	ug/l	98
70) Styrene	12.044	104	406532	51.873	ug/l	99
71) Bromoform	12.209	173	105917	51.492	ug/l #	100
73) Isopropylbenzene	12.331	105	602702	47.905	ug/l	100
74) N-amyl acetate	12.148	43	197375	49.536	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	129680	48.231	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	120357m	51.351	ug/l	
77) Bromobenzene	12.611	156	160173	48.964	ug/l	94
78) n-propylbenzene	12.672	91	722042	47.570	ug/l	98
79) 2-Chlorotoluene	12.758	91	423328	48.835	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	531447	48.831	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	48008	46.633	ug/l	93
82) 4-Chlorotoluene	12.855	91	448504	48.568	ug/l	99
83) tert-Butylbenzene	13.075	119	459490	49.247	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	535406	49.646	ug/l	99
85) sec-Butylbenzene	13.258	105	648469	48.061	ug/l	99
86) p-Isopropyltoluene	13.373	119	566420	48.486	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	311567	49.380	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	311148	49.052	ug/l	99
89) n-Butylbenzene	13.696	91	510516	47.829	ug/l	98
90) Hexachloroethane	13.965	117	105638	47.533	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	287876	49.978	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	30909	52.013	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	190703	50.959	ug/l	98
94) Hexachlorobutadiene	15.117	225	106368	47.318	ug/l	98
95) Naphthalene	15.239	128	427126	53.087	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	173298	50.857	ug/l	98

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

