

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014897.D
 Acq On : 28 Jul 2023 09:54
 Operator : SY/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 : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 29 07:49:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	195139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	297039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125219	56.311	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.620%			
35) Dibromofluoromethane	7.710	113	111947	53.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.600%			
50) Toluene-d8	10.173	98	398921	51.513	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.477	95	148499	50.011	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	64735	40.718	ug/l	98
3) Chloromethane	2.107	50	100614	56.300	ug/l	99
4) Vinyl Chloride	2.241	62	113545	56.850	ug/l	96
5) Bromomethane	2.631	94	73718	55.851	ug/l	99
6) Chloroethane	2.778	64	76380	61.222	ug/l	99
7) Trichlorofluoromethane	3.113	101	166526	49.643	ug/l	99
8) Diethyl Ether	3.521	74	66077	52.943	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	98292	47.806	ug/l	95
10) Methyl Iodide	4.076	142	104874	48.206	ug/l	98
11) Tert butyl alcohol	4.960	59	114319	248.954	ug/l #	84
12) 1,1-Dichloroethene	3.857	96	90684	47.191	ug/l	93
13) Acrolein	3.723	56	46743	201.115	ug/l	100
14) Allyl chloride	4.466	41	155986	45.718	ug/l	97
15) Acrylonitrile	5.155	53	211592	307.438	ug/l	99
16) Acetone	3.948	43	224915	319.183	ug/l	95
17) Carbon Disulfide	4.180	76	228985	41.622	ug/l	100
18) Methyl Acetate	4.472	43	171325	63.356	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	345269	55.313	ug/l	100
20) Methylene Chloride	4.704	84	120113	52.699	ug/l	91
21) trans-1,2-Dichloroethene	5.204	96	107652	49.365	ug/l	96
22) Diisopropyl ether	6.112	45	353165	50.912	ug/l	91
23) Vinyl Acetate	6.051	43	1129944	272.198	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	200983	50.637	ug/l	98
25) 2-Butanone	6.978	43	328969	319.106	ug/l	98
26) 2,2-Dichloropropane	6.972	77	181285	47.923	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	132702	52.279	ug/l	94
28) Bromochloromethane	7.319	49	91593	53.581	ug/l	94
29) Tetrahydrofuran	7.344	42	200004	315.072	ug/l	93
30) Chloroform	7.496	83	216855	52.982	ug/l	96
31) Cyclohexane	7.777	56	153721	41.644	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	186075	50.512	ug/l	99
36) 1,1-Dichloropropene	7.911	75	149237	47.510	ug/l	99
37) Ethyl Acetate	7.063	43	128305	59.326	ug/l	96
38) Carbon Tetrachloride	7.892	117	163370	49.200	ug/l	99
39) Methylcyclohexane	9.179	83	178442	43.603	ug/l	94
40) Benzene	8.155	78	447125	50.049	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	65411m	58.801	ug/l	
42) 1,2-Dichloroethane	8.228	62	154602	54.648	ug/l	95
43) Isopropyl Acetate	8.264	43	232531	56.443	ug/l	98
44) Trichloroethene	8.935	130	125139	50.064	ug/l	97
45) 1,2-Dichloropropane	9.209	63	117467	50.355	ug/l	97
46) Dibromomethane	9.301	93	77543	54.793	ug/l	95
47) Bromodichloromethane	9.490	83	176470	52.907	ug/l	99
48) Methyl methacrylate	9.289	41	103668	55.923	ug/l	94
49) 1,4-Dioxane	9.301	88	29332	1271.104	ug/l #	52
51) 4-Methyl-2-Pentanone	10.063	43	676669	312.830	ug/l	95
52) Toluene	10.240	92	284261	49.725	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	187731	51.455	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	199947	50.395	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	110048	55.825	ug/l	94
56) Ethyl methacrylate	10.502	69	165166	54.875	ug/l	91
57) 1,3-Dichloropropane	10.782	76	183814	54.061	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	418170	298.175	ug/l	94
59) 2-Hexanone	10.825	43	503998	319.508	ug/l	93
60) Dibromochloromethane	10.977	129	131809	54.535	ug/l	100
61) 1,2-Dibromoethane	11.081	107	109231	55.544	ug/l	99
64) Tetrachloroethene	10.715	164	122082	51.102	ug/l	98
65) Chlorobenzene	11.508	112	321031	50.717	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	125031	52.388	ug/l	98
67) Ethyl Benzene	11.587	91	558817	48.897	ug/l	98
68) m/p-Xylenes	11.697	106	431674	98.950	ug/l	96
69) o-Xylene	12.026	106	210908	49.635	ug/l	98
70) Styrene	12.038	104	365165	50.989	ug/l	97
71) Bromoform	12.203	173	90297	55.818	ug/l #	100
73) Isopropylbenzene	12.325	105	556034	46.976	ug/l	100
74) N-amyl acetate	12.136	43	206855	52.179	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	147571	54.671	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	116742m	61.146	ug/l	
77) Bromobenzene	12.605	156	136460	50.505	ug/l	97
78) n-propylbenzene	12.666	91	666934	46.759	ug/l	100
79) 2-Chlorotoluene	12.751	91	381324	46.416	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	465400	47.080	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	49494	50.193	ug/l	95
82) 4-Chlorotoluene	12.849	91	388996	45.975	ug/l	98
83) tert-Butylbenzene	13.068	119	404486	46.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	467194	48.158	ug/l	98
85) sec-Butylbenzene	13.245	105	602277	46.821	ug/l	99
86) p-Isopropyltoluene	13.367	119	507117	48.285	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	268083	50.980	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	267527	50.769	ug/l	99
89) n-Butylbenzene	13.690	91	476897	46.672	ug/l	97
90) Hexachloroethane	13.952	117	98376	45.603	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	247603	51.392	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	28786	55.764	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	162327	53.076	ug/l	99
94) Hexachlorobutadiene	15.105	225	82384	49.018	ug/l	98
95) Naphthalene	15.233	128	411307	57.725	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	147196	54.154	ug/l	99

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

