

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014202.D
 Acq On : 16 Jun 2023 14:19
 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 : John Carlone 06/19/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 16 23:19:21 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	7.783	168	204105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	311705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	287469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	129879	45.697	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.400%		
35) Dibromofluoromethane	7.710	113	115287	52.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.300%		
50) Toluene-d8	10.179	98	394912	47.785	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.580%		
62) 4-Bromofluorobenzene	12.483	95	159974	54.492	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	108.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	107084	47.076	ug/l	98
3) Chloromethane	2.113	50	136070	47.177	ug/l	100
4) Vinyl Chloride	2.247	62	138128	49.257	ug/l	97
5) Bromomethane	2.631	94	98035	42.371	ug/l	99
6) Chloroethane	2.784	64	87203	45.764	ug/l	95
7) Trichlorofluoromethane	3.113	101	229065	50.282	ug/l	100
8) Diethyl Ether	3.522	74	69783	45.874	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	117477	51.095	ug/l	99
10) Methyl Iodide	4.082	142	151830	50.010	ug/l	98
11) Tert butyl alcohol	4.942	59	97009	298.831	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	114129	48.974	ug/l	97
13) Acrolein	3.723	56	44631	336.745	ug/l	99
14) Allyl chloride	4.473	41	207829	49.199	ug/l	98
15) Acrylonitrile	5.155	53	181085	230.792	ug/l	99
16) Acetone	3.942	43	221534	258.582	ug/l	99
17) Carbon Disulfide	4.186	76	357741	47.373	ug/l	99
18) Methyl Acetate	4.473	43	151081	45.433	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	322988	46.992	ug/l	98
20) Methylene Chloride	4.704	84	159647	59.016	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	127353	48.996	ug/l	95
22) Diisopropyl ether	6.113	45	403542	49.894	ug/l	95
23) Vinyl Acetate	6.052	43	1161781	243.454	ug/l	99
24) 1,1-Dichloroethane	6.009	63	231334	49.608	ug/l	98
25) 2-Butanone	6.978	43	262677	249.079	ug/l	97
26) 2,2-Dichloropropane	6.972	77	219209	50.049	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	145351	49.989	ug/l	98
28) Bromochloromethane	7.326	49	89500	47.195	ug/l	95
29) Tetrahydrofuran	7.344	42	155795	232.972	ug/l	98
30) Chloroform	7.503	83	249426	50.417	ug/l	95
31) Cyclohexane	7.783	56	190689	50.084	ug/l	99
32) 1,1,1-Trichloroethane	7.698	97	223551	50.101	ug/l	98
36) 1,1-Dichloropropene	7.911	75	181092	52.547	ug/l	99
37) Ethyl Acetate	7.070	43	108189	45.498	ug/l	99
38) Carbon Tetrachloride	7.893	117	206069	51.816	ug/l	99
39) Methylcyclohexane	9.185	83	208129	54.432	ug/l	96
40) Benzene	8.155	78	521197	50.859	ug/l	100

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41) Methacrylonitrile	7.301	41	54741m	45.108	ug/l	
42) 1,2-Dichloroethane	8.234	62	178653	49.299	ug/l	100
43) Isopropyl Acetate	8.271	43	200390	48.082	ug/l	99
44) Trichloroethene	8.935	130	141576	51.708	ug/l	97
45) 1,2-Dichloropropane	9.210	63	130218	50.027	ug/l	97
46) Dibromomethane	9.301	93	76818	47.944	ug/l	98
47) Bromodichloromethane	9.496	83	190517	50.783	ug/l	97
48) Methyl methacrylate	9.289	41	95769	49.267	ug/l	98
49) 1,4-Dioxane	9.295	88	20553	1009.523	ug/l #	58
51) 4-Methyl-2-Pentanone	10.069	43	545611	240.969	ug/l	99
52) Toluene	10.240	92	326920	51.462	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	197970	50.127	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	215351	49.977	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	105775	49.772	ug/l	97
56) Ethyl methacrylate	10.508	69	141774	48.366	ug/l	99
57) 1,3-Dichloropropane	10.789	76	178061	48.989	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	385192	289.031	ug/l	99
59) 2-Hexanone	10.831	43	405993	248.259	ug/l	99
60) Dibromochloromethane	10.984	129	137097	50.403	ug/l	99
61) 1,2-Dibromoethane	11.087	107	100928	48.121	ug/l	99
64) Tetrachloroethene	10.721	164	126421	51.594	ug/l	96
65) Chlorobenzene	11.514	112	352763	51.070	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	140950	51.880	ug/l	98
67) Ethyl Benzene	11.593	91	642982	53.180	ug/l	100
68) m/p-Xylenes	11.703	106	495447	106.534	ug/l	98
69) o-Xylene	12.032	106	234518	53.338	ug/l	99
70) Styrene	12.044	104	405701	54.063	ug/l	99
71) Bromoform	12.209	173	94072	50.559	ug/l #	99
73) Isopropylbenzene	12.331	105	616797	51.830	ug/l	100
74) N-amyl acetate	12.142	43	182158	48.303	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	126343	47.514	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	95270m	46.550	ug/l	
77) Bromobenzene	12.605	156	154460	49.384	ug/l	97
78) n-propylbenzene	12.672	91	760782	52.341	ug/l	99
79) 2-Chlorotoluene	12.758	91	430223	51.441	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	534518	52.457	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	44858	47.378	ug/l	95
82) 4-Chlorotoluene	12.855	91	454558	51.288	ug/l	99
83) tert-Butylbenzene	13.075	119	454890	52.533	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	539114	53.449	ug/l	100
85) sec-Butylbenzene	13.252	105	685006	54.413	ug/l	100
86) p-Isopropyltoluene	13.367	119	574675	53.338	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	304725	51.027	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	306293	50.906	ug/l	99
89) n-Butylbenzene	13.697	91	538623	53.899	ug/l	99
90) Hexachloroethane	13.959	117	111271	51.828	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	275505	51.367	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23206	45.828	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	173820	51.158	ug/l	99
94) Hexachlorobutadiene	15.111	225	105247	53.654	ug/l	97
95) Naphthalene	15.239	128	340888	49.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	154189	50.221	ug/l	99

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

