

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014760.D
 Acq On : 21 Jul 2023 20:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

Quant Time: Jul 22 05:42:38 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	7.789	168	221567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	370218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	336477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	137940	54.633	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.260%			
35) Dibromofluoromethane	7.716	113	128856	54.676	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.360%			
50) Toluene-d8	10.179	98	462776	53.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.520%			
62) 4-Bromofluorobenzene	12.477	95	175648	52.722	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	76513	42.386	ug/l	97
3) Chloromethane	2.107	50	112711	55.546	ug/l	98
4) Vinyl Chloride	2.247	62	130963	57.749	ug/l	99
5) Bromomethane	2.637	94	92280	61.574	ug/l	100
6) Chloroethane	2.784	64	86038	60.737	ug/l	99
7) Trichlorofluoromethane	3.119	101	189733	49.815	ug/l	98
8) Diethyl Ether	3.521	74	72726	51.320	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	112068	48.005	ug/l	96
10) Methyl Iodide	4.082	142	120783	48.863	ug/l	98
11) Tert butyl alcohol	4.960	59	119640	226.884	ug/l #	82
12) 1,1-Dichloroethene	3.863	96	104309	47.807	ug/l	90
13) Acrolein	3.729	56	50931	192.997	ug/l	98
14) Allyl chloride	4.472	41	173808	44.865	ug/l	97
15) Acrylonitrile	5.161	53	219998	281.525	ug/l	98
16) Acetone	3.948	43	178581	223.201	ug/l	92
17) Carbon Disulfide	4.186	76	272603	43.640	ug/l	100
18) Methyl Acetate	4.472	43	178634	58.180	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	373581	52.710	ug/l	100
20) Methylene Chloride	4.710	84	135163	52.187	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	121452	49.050	ug/l	96
22) Diisopropyl ether	6.118	45	389687	49.476	ug/l	91
23) Vinyl Acetate	6.057	43	1167497	247.698	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	222306	49.328	ug/l	98
25) 2-Butanone	6.984	43	306294	261.672	ug/l	95
26) 2,2-Dichloropropane	6.978	77	183080	42.625	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	147416	51.148	ug/l	93
28) Bromochloromethane	7.332	49	101173	52.126	ug/l	91
29) Tetrahydrofuran	7.344	42	203551	282.413	ug/l	91
30) Chloroform	7.502	83	239049	51.438	ug/l	98
31) Cyclohexane	7.783	56	178478	42.583	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	208776	49.915	ug/l	98
36) 1,1-Dichloropropene	7.917	75	169208	48.010	ug/l	99
37) Ethyl Acetate	7.069	43	131893	54.354	ug/l #	95
38) Carbon Tetrachloride	7.899	117	184778	49.597	ug/l	99
39) Methylcyclohexane	9.179	83	207110	45.106	ug/l	96
40) Benzene	8.161	78	498824	49.765	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	70227m	56.267	ug/l	
42) 1,2-Dichloroethane	8.234	62	164963	51.970	ug/l	96
43) Isopropyl Acetate	8.270	43	240625	52.057	ug/l	96
44) Trichloroethene	8.941	130	141249	50.365	ug/l	98
45) 1,2-Dichloropropane	9.215	63	127936	48.879	ug/l	97
46) Dibromomethane	9.301	93	84195	53.025	ug/l	96
47) Bromodichloromethane	9.496	83	190797	50.983	ug/l	99
48) Methyl methacrylate	9.289	41	109441	52.618	ug/l	92
49) 1,4-Dioxane	9.295	88	29445	1137.264	ug/l #	62
51) 4-Methyl-2-Pentanone	10.069	43	685574	282.486	ug/l	94
52) Toluene	10.240	92	322463	50.274	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	199035	48.622	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	214665	48.222	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	118270	53.472	ug/l	96
56) Ethyl methacrylate	10.508	69	178648	52.901	ug/l	91
57) 1,3-Dichloropropane	10.788	76	196655	51.549	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	409229	260.073	ug/l	94
59) 2-Hexanone	10.831	43	496503	280.534	ug/l	91
60) Dibromochloromethane	10.983	129	143533	52.929	ug/l	99
61) 1,2-Dibromoethane	11.087	107	119146	53.998	ug/l	99
64) Tetrachloroethene	10.715	164	145227	53.665	ug/l	97
65) Chlorobenzene	11.514	112	356549	49.726	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	137845	50.988	ug/l	99
67) Ethyl Benzene	11.593	91	629333	48.612	ug/l	99
68) m/p-Xylenes	11.697	106	488331	98.817	ug/l	96
69) o-Xylene	12.026	106	237514	49.345	ug/l	100
70) Styrene	12.044	104	409010	50.417	ug/l	98
71) Bromoform	12.209	173	97547	53.232	ug/l #	100
73) Isopropylbenzene	12.325	105	628253	47.154	ug/l	100
74) N-amyl acetate	12.142	43	219076	49.095	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	152460	50.179	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	114243m	53.160	ug/l	
77) Bromobenzene	12.605	156	150939	49.630	ug/l	97
78) n-propylbenzene	12.672	91	750524	46.747	ug/l	99
79) 2-Chlorotoluene	12.757	91	430759	46.582	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	528214	47.471	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	49785	44.854	ug/l	94
82) 4-Chlorotoluene	12.855	91	445490	46.776	ug/l	100
83) tert-Butylbenzene	13.074	119	465131	47.124	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	521209	47.730	ug/l	99
85) sec-Butylbenzene	13.251	105	687109	47.455	ug/l	99
86) p-Isopropyltoluene	13.367	119	572705	48.445	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	291888	49.313	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	293311	49.450	ug/l	99
89) n-Butylbenzene	13.696	91	541548	47.085	ug/l	96
90) Hexachloroethane	13.958	117	113189	46.614	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	272236	50.199	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30462	52.426	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	172489	50.105	ug/l	98
94) Hexachlorobutadiene	15.111	225	91600	48.420	ug/l	99
95) Naphthalene	15.233	128	430842	53.719	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	155086	50.690	ug/l	99

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

