

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014733.D
 Acq On : 21 Jul 2023 09:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 22 05:30:33 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	289248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	469917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	419682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	208365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	145564	44.163	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.320%		
35) Dibromofluoromethane	7.722	113	134720	45.036	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.080%		
50) Toluene-d8	10.185	98	475442	43.110	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.220%		
62) 4-Bromofluorobenzene	12.483	95	177971	42.086	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	94443	40.077	ug/l	97
3) Chloromethane	2.113	50	127354	48.077	ug/l	96
4) Vinyl Chloride	2.253	62	147859	49.944	ug/l	97
5) Bromomethane	2.643	94	104679	53.504	ug/l	98
6) Chloroethane	2.790	64	96249	52.047	ug/l	97
7) Trichlorofluoromethane	3.125	101	227979	45.851	ug/l	99
8) Diethyl Ether	3.533	74	87274	47.175	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	136743	44.869	ug/l	96
10) Methyl Iodide	4.094	142	149954	46.585	ug/l	97
11) Tert butyl alcohol	4.960	59	155679	226.048	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	124900	43.850	ug/l	90
13) Acrolein	3.735	56	73882	214.457	ug/l	96
14) Allyl chloride	4.478	41	211772	41.874	ug/l	95
15) Acrylonitrile	5.161	53	262276	257.093	ug/l	98
16) Acetone	3.954	43	311820	298.538	ug/l	90
17) Carbon Disulfide	4.198	76	327651	40.179	ug/l	98
18) Methyl Acetate	4.478	43	205142	51.180	ug/l	93
19) Methyl tert-butyl Ether	5.228	73	449737	48.607	ug/l	100
20) Methylene Chloride	4.716	84	145955	42.371	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	144828	44.805	ug/l	97
22) Diisopropyl ether	6.124	45	467487	45.466	ug/l	90
23) Vinyl Acetate	6.063	43	1453119	236.158	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	261261	44.407	ug/l	98
25) 2-Butanone	6.990	43	428668	280.527	ug/l	94
26) 2,2-Dichloropropane	6.984	77	255628	45.590	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	174312	46.328	ug/l	96
28) Bromochloromethane	7.338	49	125708	49.612	ug/l	92
29) Tetrahydrofuran	7.350	42	243199	258.468	ug/l	91
30) Chloroform	7.508	83	280788	46.282	ug/l	95
31) Cyclohexane	7.789	56	219608	40.136	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	251258	46.015	ug/l	98
36) 1,1-Dichloropropene	7.923	75	204288	45.666	ug/l	99
37) Ethyl Acetate	7.075	43	158926	51.599	ug/l #	95
38) Carbon Tetrachloride	7.905	117	222960	47.148	ug/l	98
39) Methylcyclohexane	9.185	83	254078	43.595	ug/l	95
40) Benzene	8.167	78	586787	46.121	ug/l	99

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41) Methacrylonitrile	7.313	41	73430m	46.351	ug/l	
42) 1,2-Dichloroethane	8.240	62	193536	48.036	ug/l	94
43) Isopropyl Acetate	8.277	43	291550	49.692	ug/l	96
44) Trichloroethene	8.941	130	164557	46.227	ug/l	99
45) 1,2-Dichloropropane	9.221	63	153311	46.147	ug/l	97
46) Dibromomethane	9.307	93	98121	48.685	ug/l	97
47) Bromodichloromethane	9.502	83	224240	47.207	ug/l	97
48) Methyl methacrylate	9.295	41	130495	49.429	ug/l	92
49) 1,4-Dioxane	9.301	88	35578	1082.599	ug/l #	50
51) 4-Methyl-2-Pentanone	10.075	43	804618	261.197	ug/l	93
52) Toluene	10.246	92	376420	46.235	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	246889	47.516	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	265742	47.031	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	139024	49.520	ug/l	99
56) Ethyl methacrylate	10.514	69	213590	49.829	ug/l	90
57) 1,3-Dichloropropane	10.794	76	235165	48.565	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	493991	247.334	ug/l	94
59) 2-Hexanone	10.837	43	622395	277.055	ug/l	92
60) Dibromochloromethane	10.989	129	169020	49.104	ug/l	100
61) 1,2-Dibromoethane	11.093	107	138861	49.581	ug/l	99
64) Tetrachloroethene	10.721	164	158647	47.002	ug/l	97
65) Chlorobenzene	11.520	112	411619	46.025	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	159577	47.324	ug/l	98
67) Ethyl Benzene	11.593	91	733794	45.444	ug/l	99
68) m/p-Xylenes	11.709	106	561472	91.092	ug/l	96
69) o-Xylene	12.032	106	274791	45.771	ug/l	98
70) Styrene	12.044	104	470425	46.491	ug/l	97
71) Bromoform	12.209	173	116356	50.907	ug/l #	99
73) Isopropylbenzene	12.331	105	730623	44.782	ug/l	100
74) N-amyl acetate	12.148	43	254947	46.658	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.587	83	180823	48.601	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	123339m	46.869	ug/l	
77) Bromobenzene	12.611	156	172468	46.310	ug/l	95
78) n-propylbenzene	12.672	91	869494	44.227	ug/l	99
79) 2-Chlorotoluene	12.757	91	497193	43.907	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	608760	44.678	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	65961	48.530	ug/l	95
82) 4-Chlorotoluene	12.855	91	508806	43.628	ug/l	99
83) tert-Butylbenzene	13.074	119	546223	45.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	596570	44.614	ug/l	100
85) sec-Butylbenzene	13.257	105	795463	44.864	ug/l	100
86) p-Isopropyltoluene	13.373	119	654351	45.202	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	337392	46.548	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	337697	46.494	ug/l	99
89) n-Butylbenzene	13.696	91	625078	44.382	ug/l	96
90) Hexachloroethane	13.964	117	132723	44.636	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	309688	46.634	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	34472	48.449	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	197705	46.899	ug/l	98
94) Hexachlorobutadiene	15.111	225	105017	45.333	ug/l	98
95) Naphthalene	15.239	128	488422	49.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	176821	47.196	ug/l	99

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

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