

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014709.D
 Acq On : 18 Jul 2023 18:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 19 04:07:54 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 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	225098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	374832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	336363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	129779	50.595	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.180%			
35) Dibromofluoromethane	7.716	113	119988	50.286	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.580%			
50) Toluene-d8	10.179	98	432366	49.149	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.477	95	163535	48.482	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	81711	44.556	ug/l	98
3) Chloromethane	2.113	50	115855	56.200	ug/l	98
4) Vinyl Chloride	2.247	62	135352	58.749	ug/l	95
5) Bromomethane	2.637	94	101093	66.397	ug/l	99
6) Chloroethane	2.784	64	87172	60.573	ug/l	95
7) Trichlorofluoromethane	3.119	101	194817	50.348	ug/l	99
8) Diethyl Ether	3.527	74	74318	51.620	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	115155	48.554	ug/l	96
10) Methyl Iodide	4.088	142	106896	42.872	ug/l	97
11) Tert butyl alcohol	4.954	59	139721	265.971	ug/l #	87
12) 1,1-Dichloroethene	3.863	96	107795	48.630	ug/l	94
13) Acrolein	3.723	56	36471	136.034	ug/l	99
14) Allyl chloride	4.472	41	182294	46.317	ug/l	97
15) Acrylonitrile	5.161	53	227542	286.611	ug/l	99
16) Acetone	3.942	43	192012	236.223	ug/l	95
17) Carbon Disulfide	4.186	76	286529	45.150	ug/l	98
18) Methyl Acetate	4.472	43	180971	58.016	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	385184	53.494	ug/l	100
20) Methylene Chloride	4.710	84	150946	57.825	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	125361	49.835	ug/l	92
22) Diisopropyl ether	6.118	45	401672	50.198	ug/l	90
23) Vinyl Acetate	6.058	43	1244405	259.874	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	230565	50.358	ug/l	96
25) 2-Butanone	6.984	43	320241	269.295	ug/l	95
26) 2,2-Dichloropropane	6.978	77	198320	45.449	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	153217	52.327	ug/l	92
28) Bromochloromethane	7.332	49	99184	50.299	ug/l	91
29) Tetrahydrofuran	7.344	42	210054	286.863	ug/l	91
30) Chloroform	7.502	83	241482	51.147	ug/l	95
31) Cyclohexane	7.783	56	185318	43.522	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	216809	51.022	ug/l	98
36) 1,1-Dichloropropene	7.917	75	172537	48.352	ug/l	99
37) Ethyl Acetate	7.069	43	135531	55.166	ug/l #	94
38) Carbon Tetrachloride	7.899	117	192978	51.160	ug/l	98
39) Methylcyclohexane	9.179	83	212778	45.770	ug/l	95
40) Benzene	8.161	78	509733	50.228	ug/l	100

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41) Methacrylonitrile	7.307	41	61796m	48.902	ug/l	
42) 1,2-Dichloroethane	8.234	62	168819	52.530	ug/l	95
43) Isopropyl Acetate	8.271	43	250543	53.535	ug/l	97
44) Trichloroethene	8.941	130	144566	50.913	ug/l	97
45) 1,2-Dichloropropane	9.215	63	132016	49.817	ug/l	96
46) Dibromomethane	9.307	93	86098	53.556	ug/l	96
47) Bromodichloromethane	9.496	83	195883	51.698	ug/l	97
48) Methyl methacrylate	9.289	41	112496	53.421	ug/l	93
49) 1,4-Dioxane	9.295	88	31636	1206.847	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	704648	286.771	ug/l	94
52) Toluene	10.240	92	328536	50.591	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	206941	49.931	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	223681	49.629	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	121151	54.101	ug/l	98
56) Ethyl methacrylate	10.508	69	182940	53.505	ug/l	92
57) 1,3-Dichloropropane	10.788	76	203370	52.653	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	399565	250.806	ug/l	94
59) 2-Hexanone	10.831	43	511917	285.682	ug/l	91
60) Dibromochloromethane	10.983	129	147933	53.880	ug/l	98
61) 1,2-Dibromoethane	11.087	107	121471	54.374	ug/l	99
64) Tetrachloroethene	10.715	164	137245	50.733	ug/l	97
65) Chlorobenzene	11.514	112	362637	50.593	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	140923	52.144	ug/l	98
67) Ethyl Benzene	11.587	91	643913	49.756	ug/l	99
68) m/p-Xylenes	11.703	106	502306	101.679	ug/l	95
69) o-Xylene	12.026	106	245321	50.984	ug/l	97
70) Styrene	12.044	104	423444	52.214	ug/l	98
71) Bromoform	12.203	173	102780	56.106	ug/l #	99
73) Isopropylbenzene	12.325	105	649957	48.373	ug/l	100
74) N-amyl acetate	12.142	43	230484	51.217	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	163139	53.242	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	115467m	53.278	ug/l	
77) Bromobenzene	12.605	156	155403	50.668	ug/l	97
78) n-propylbenzene	12.666	91	779672	48.154	ug/l	99
79) 2-Chlorotoluene	12.751	91	446392	47.867	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	545326	48.597	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	53138	47.472	ug/l	97
82) 4-Chlorotoluene	12.849	91	460517	47.948	ug/l	100
83) tert-Butylbenzene	13.075	119	486505	48.875	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	538460	48.896	ug/l	99
85) sec-Butylbenzene	13.251	105	711390	48.719	ug/l	100
86) p-Isopropyltoluene	13.367	119	588781	49.386	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	304944	51.085	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	303249	50.696	ug/l	99
89) n-Butylbenzene	13.696	91	555354	47.879	ug/l	96
90) Hexachloroethane	13.959	117	117204	47.862	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	279548	51.114	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30880	52.698	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	175756	50.625	ug/l	98
94) Hexachlorobutadiene	15.111	225	93974	49.257	ug/l	98
95) Naphthalene	15.233	128	438804	54.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	159986	51.851	ug/l	99

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

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