

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014630.D
 Acq On : 13 Jul 2023 16:25
 Operator : SY/MD
 Sample : VY0713SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0713SBS01

Quant Time: Jul 14 04:25:59 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 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	310034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	505512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	445225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	221807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	181560	51.390	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.780%			
35) Dibromofluoromethane	7.710	113	169222	52.587	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.180%			
50) Toluene-d8	10.173	98	617217	52.025	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.477	95	235062	51.672	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	64423	25.505	ug/l	95
3) Chloromethane	2.107	50	67565	23.796	ug/l	98
4) Vinyl Chloride	2.241	62	75396	23.760	ug/l	97
5) Bromomethane	2.619	94	46579	22.212	ug/l	97
6) Chloroethane	2.771	64	44339	22.369	ug/l	98
7) Trichlorofluoromethane	3.107	101	122054	22.902	ug/l	98
8) Diethyl Ether	3.521	74	43043	21.707	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.887	101	73923	22.630	ug/l	94
10) Methyl Iodide	4.076	142	67246	20.868	ug/l	97
11) Tert butyl alcohol	4.948	59	103303	131.319	ug/l #	91
12) 1,1-Dichloroethene	3.857	96	68760	22.522	ug/l	94
13) Acrolein	3.716	56	35485	96.097	ug/l	98
14) Allyl chloride	4.460	41	113723	20.979	ug/l	96
15) Acrylonitrile	5.149	53	120234	109.956	ug/l	96
16) Acetone	3.942	43	102134	91.228	ug/l	93
17) Carbon Disulfide	4.174	76	198098	22.664	ug/l	99
18) Methyl Acetate	4.466	43	94725	22.048	ug/l	92
19) Methyl tert-butyl Ether	5.204	73	215703	21.750	ug/l	100
20) Methylene Chloride	4.698	84	99101	25.150	ug/l	93
21) trans-1,2-Dichloroethene	5.204	96	75924	21.913	ug/l	97
22) Diisopropyl ether	6.106	45	234846	21.309	ug/l	94
23) Vinyl Acetate	6.045	43	696730	105.640	ug/l	96
24) 1,1-Dichloroethane	6.003	63	135881	21.548	ug/l	96
25) 2-Butanone	6.978	43	168333	102.774	ug/l	93
26) 2,2-Dichloropropane	6.966	77	125764	20.926	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	88990	22.066	ug/l	96
28) Bromochloromethane	7.326	49	58754	21.633	ug/l	94
29) Tetrahydrofuran	7.344	42	109960	109.029	ug/l	93
30) Chloroform	7.496	83	141205	21.714	ug/l	99
31) Cyclohexane	7.777	56	127567	21.752	ug/l	90
32) 1,1,1-Trichloroethane	7.691	97	127525	21.789	ug/l	100
36) 1,1-Dichloropropene	7.911	75	108470	22.540	ug/l	99
37) Ethyl Acetate	7.063	43	72837	21.983	ug/l #	95
38) Carbon Tetrachloride	7.893	117	113971	22.404	ug/l	100
39) Methylcyclohexane	9.179	83	140586	22.423	ug/l	96
40) Benzene	8.155	78	304428	22.243	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	38682m	22.698	ug/l	
42) 1,2-Dichloroethane	8.228	62	93939	21.674	ug/l	94
43) Isopropyl Acetate	8.264	43	136175	21.576	ug/l	95
44) Trichloroethene	8.929	130	85598	22.353	ug/l	95
45) 1,2-Dichloropropane	9.209	63	78512	21.968	ug/l	98
46) Dibromomethane	9.301	93	47073	21.712	ug/l	96
47) Bromodichloromethane	9.490	83	111289	21.779	ug/l	100
48) Methyl methacrylate	9.289	41	61865	21.783	ug/l	92
49) 1,4-Dioxane	9.289	88	16217	458.719	ug/l #	55
51) 4-Methyl-2-Pentanone	10.063	43	369352	111.457	ug/l	94
52) Toluene	10.240	92	192730	22.006	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	119040	21.297	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	131922	21.703	ug/l	95
55) 1,1,2-Trichloroethane	10.636	97	64828	21.466	ug/l	98
56) Ethyl methacrylate	10.502	69	101449	22.001	ug/l	90
57) 1,3-Dichloropropane	10.782	76	113844	21.855	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	240512	111.942	ug/l	95
59) 2-Hexanone	10.825	43	263315	108.959	ug/l	92
60) Dibromochloromethane	10.977	129	80641	21.778	ug/l	98
61) 1,2-Dibromoethane	11.081	107	66645	22.120	ug/l	99
64) Tetrachloroethene	10.715	164	83699	23.374	ug/l	97
65) Chlorobenzene	11.514	112	209518	22.083	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	77841	21.760	ug/l	98
67) Ethyl Benzene	11.587	91	377061	22.012	ug/l	100
68) m/p-Xylenes	11.697	106	288390	44.103	ug/l	97
69) o-Xylene	12.026	106	140123	22.001	ug/l	98
70) Styrene	12.038	104	236052	21.990	ug/l	98
71) Bromoform	12.203	173	53097	21.898	ug/l #	100
73) Isopropylbenzene	12.325	105	370071	21.308	ug/l	99
74) N-amyl acetate	12.136	43	122776	21.107	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	82909	20.934	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	55692m	19.880	ug/l	
77) Bromobenzene	12.605	156	84195	21.238	ug/l	94
78) n-propylbenzene	12.666	91	450985	21.549	ug/l	100
79) 2-Chlorotoluene	12.751	91	251571	20.870	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	309374	21.330	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	30419	21.024	ug/l	93
82) 4-Chlorotoluene	12.849	91	259562	20.908	ug/l	99
83) tert-Butylbenzene	13.068	119	278271	21.628	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	305537	21.465	ug/l	98
85) sec-Butylbenzene	13.251	105	405867	21.504	ug/l	100
86) p-Isopropyltoluene	13.367	119	335739	21.787	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	165238	21.416	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	166209	21.497	ug/l	97
89) n-Butylbenzene	13.690	91	321445	21.440	ug/l	96
90) Hexachloroethane	13.959	117	67699	21.388	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	151382	21.414	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	15707	20.738	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	94955	21.160	ug/l	97
94) Hexachlorobutadiene	15.105	225	53500	21.695	ug/l	97
95) Naphthalene	15.233	128	221760	21.211	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	85229	21.370	ug/l	98

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

