

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014906.D
 Acq On : 28 Jul 2023 14:06
 Operator : SY/MD
 Sample : VY0728SBS04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0728SBS04

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 29 03:05:05 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	7.783	168	193349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	319055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	288436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	128954	58.528	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.060%			
35) Dibromofluoromethane	7.710	113	116480	57.350	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.700%			
50) Toluene-d8	10.173	98	419323	56.000	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.000%			
62) 4-Bromofluorobenzene	12.477	95	154827	53.925	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28422	18.043	ug/l	93
3) Chloromethane	2.107	50	39921	22.545	ug/l	99
4) Vinyl Chloride	2.241	62	44898	22.688	ug/l	94
5) Bromomethane	2.613	94	33113	25.319	ug/l	96
6) Chloroethane	2.772	64	29092	23.534	ug/l	93
7) Trichlorofluoromethane	3.107	101	64342	19.359	ug/l	99
8) Diethyl Ether	3.515	74	22875	18.498	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.881	101	36796	18.062	ug/l	95
10) Methyl Iodide	4.076	142	32029	16.498	ug/l	97
11) Tert butyl alcohol	4.948	59	44353	85.520	ug/l #	86
12) 1,1-Dichloroethene	3.857	96	33468	17.578	ug/l	93
13) Acrolein	3.717	56	20273	88.034	ug/l	98
14) Allyl chloride	4.466	41	55871	16.527	ug/l	97
15) Acrylonitrile	5.149	53	70074	102.759	ug/l	98
16) Acetone	3.942	43	67481	96.651	ug/l	93
17) Carbon Disulfide	4.180	76	90056	16.521	ug/l	98
18) Methyl Acetate	4.466	43	56017	20.907	ug/l	91
19) Methyl tert-butyl Ether	5.210	73	116664	18.863	ug/l	98
20) Methylene Chloride	4.698	84	55794	22.256	ug/l	91
21) trans-1,2-Dichloroethene	5.204	96	39425	18.246	ug/l	96
22) Diisopropyl ether	6.112	45	122040	17.756	ug/l	90
23) Vinyl Acetate	6.045	43	362879	88.225	ug/l #	95
24) 1,1-Dichloroethane	6.003	63	70739	17.987	ug/l	97
25) 2-Butanone	6.978	43	105500	103.284	ug/l	97
26) 2,2-Dichloropropane	6.966	77	66800	17.822	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	46702	18.569	ug/l	96
28) Bromochloromethane	7.326	49	34267	20.231	ug/l	91
29) Tetrahydrofuran	7.338	42	64926	103.227	ug/l	93
30) Chloroform	7.496	83	75913	18.719	ug/l	100
31) Cyclohexane	7.777	56	58976	16.125	ug/l #	83
32) 1,1,1-Trichloroethane	7.691	97	66163	18.127	ug/l	99
36) 1,1-Dichloropropene	7.905	75	54184	17.839	ug/l	99
37) Ethyl Acetate	7.063	43	41528	19.858	ug/l #	94
38) Carbon Tetrachloride	7.893	117	56893	17.720	ug/l	99
39) Methylcyclohexane	9.173	83	65363	16.518	ug/l	94
40) Benzene	8.149	78	158442	18.342	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	21754m	20.225	ug/l	
42) 1,2-Dichloroethane	8.228	62	53523	19.566	ug/l	96
43) Isopropyl Acetate	8.264	43	74652	18.740	ug/l	95
44) Trichloroethene	8.929	130	45418	18.792	ug/l	99
45) 1,2-Dichloropropane	9.209	63	40670	18.030	ug/l	93
46) Dibromomethane	9.301	93	26433	19.317	ug/l	95
47) Bromodichloromethane	9.490	83	59614	18.484	ug/l	95
48) Methyl methacrylate	9.289	41	33343	18.602	ug/l	93
49) 1,4-Dioxane	9.295	88	9231	413.705	ug/l #	62
51) 4-Methyl-2-Pentanone	10.063	43	214969	102.780	ug/l	94
52) Toluene	10.240	92	101820	18.420	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	60389	17.118	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	67588	17.618	ug/l	92
55) 1,1,2-Trichloroethane	10.636	97	37321	19.579	ug/l	98
56) Ethyl methacrylate	10.502	69	54081	18.582	ug/l	91
57) 1,3-Dichloropropane	10.782	76	62468	19.001	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	141312	104.208	ug/l	94
59) 2-Hexanone	10.825	43	156959	102.906	ug/l	93
60) Dibromochloromethane	10.977	129	43586	18.650	ug/l	99
61) 1,2-Dibromoethane	11.081	107	36845	19.376	ug/l	99
64) Tetrachloroethene	10.715	164	44777	19.302	ug/l	99
65) Chlorobenzene	11.508	112	111345	18.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	41533	17.922	ug/l	96
67) Ethyl Benzene	11.587	91	196341	17.692	ug/l	98
68) m/p-Xylenes	11.697	106	152020	35.886	ug/l	96
69) o-Xylene	12.026	106	74901	18.153	ug/l	96
70) Styrene	12.038	104	126330	18.166	ug/l	98
71) Bromoform	12.203	173	28811	18.341	ug/l #	99
73) Isopropylbenzene	12.325	105	194994	16.848	ug/l	100
74) N-amyl acetate	12.136	43	65864	16.991	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	47046	17.825	ug/l	99
76) 1,2,3-Trichloropropane	12.623	75	36471m	19.536	ug/l	
77) Bromobenzene	12.599	156	47959	18.153	ug/l	98
78) n-propylbenzene	12.666	91	233429	16.737	ug/l	99
79) 2-Chlorotoluene	12.751	91	134722	16.771	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	163643	16.930	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	14935	15.490	ug/l	98
82) 4-Chlorotoluene	12.849	91	139141	16.818	ug/l	99
83) tert-Butylbenzene	13.069	119	143871	16.779	ug/l	98
84) 1,2,4-Trimethylbenzene	13.111	105	163883	17.276	ug/l	98
85) sec-Butylbenzene	13.245	105	212401	16.887	ug/l	100
86) p-Isopropyltoluene	13.361	119	177424	17.277	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	93635	18.210	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	94890	18.416	ug/l	99
89) n-Butylbenzene	13.690	91	167952	16.810	ug/l	96
90) Hexachloroethane	13.952	117	33299	15.786	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	86468	18.355	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	9143	18.114	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	53969	18.047	ug/l	97
94) Hexachlorobutadiene	15.105	225	29246	17.796	ug/l	98
95) Naphthalene	15.227	128	133899	19.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	49834	18.750	ug/l	99

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

