

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014631.D
 Acq On : 13 Jul 2023 16:48
 Operator : SY/MD
 Sample : VY0713SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0713SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

Quant Time: Jul 14 04:26:50 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	304391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	507403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	450163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	222283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	169914	48.986	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.980%		
35) Dibromofluoromethane	7.710	113	153714	47.589	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.180%		
50) Toluene-d8	10.173	98	559177	46.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.920%		
62) 4-Bromofluorobenzene	12.477	95	215725	47.245	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	64199	25.888	ug/l	97
3) Chloromethane	2.107	50	67525	24.223	ug/l	98
4) Vinyl Chloride	2.241	62	74692	23.974	ug/l	98
5) Bromomethane	2.613	94	44628	21.676	ug/l	95
6) Chloroethane	2.772	64	44318	22.773	ug/l	96
7) Trichlorofluoromethane	3.107	101	121817	23.281	ug/l	99
8) Diethyl Ether	3.515	74	45557	23.400	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.881	101	72817	22.705	ug/l	95
10) Methyl Iodide	4.076	142	68309	21.509	ug/l	96
11) Tert butyl alcohol	4.942	59	144710	196.377	ug/l #	93
12) 1,1-Dichloroethene	3.851	96	67777	22.611	ug/l	94
13) Acrolein	3.717	56	39372	108.600	ug/l	100
14) Allyl chloride	4.460	41	119312	22.418	ug/l	95
15) Acrylonitrile	5.149	53	135934	126.619	ug/l	99
16) Acetone	3.942	43	120616	109.733	ug/l	92
17) Carbon Disulfide	4.174	76	196955	22.951	ug/l	98
18) Methyl Acetate	4.466	43	110457	26.186	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	228718	23.490	ug/l	99
20) Methylene Chloride	4.704	84	94338	24.244	ug/l	91
21) trans-1,2-Dichloroethene	5.204	96	77363	22.743	ug/l	99
22) Diisopropyl ether	6.112	45	241204	22.291	ug/l	91
23) Vinyl Acetate	6.045	43	750791	115.947	ug/l #	95
24) 1,1-Dichloroethane	6.003	63	137486	22.206	ug/l	96
25) 2-Butanone	6.978	43	201322	125.194	ug/l	96
26) 2,2-Dichloropropane	6.972	77	127845	21.666	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	89899	22.705	ug/l	96
28) Bromochloromethane	7.320	49	61302	22.990	ug/l	95
29) Tetrahydrofuran	7.338	42	131961	133.269	ug/l	93
30) Chloroform	7.496	83	142081	22.254	ug/l	96
31) Cyclohexane	7.777	56	127760	22.188	ug/l	90
32) 1,1,1-Trichloroethane	7.691	97	128584	22.377	ug/l	99
36) 1,1-Dichloropropene	7.905	75	108667	22.497	ug/l	99
37) Ethyl Acetate	7.070	43	85599	25.739	ug/l #	95
38) Carbon Tetrachloride	7.893	117	113908	22.308	ug/l	99
39) Methylcyclohexane	9.179	83	141329	22.458	ug/l	95
40) Benzene	8.155	78	308627	22.466	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	44179m	25.827	ug/l	
42) 1,2-Dichloroethane	8.228	62	100923	23.199	ug/l	94
43) Isopropyl Acetate	8.264	43	153298	24.198	ug/l	96
44) Trichloroethene	8.935	130	86957	22.623	ug/l	99
45) 1,2-Dichloropropane	9.209	63	80242	22.369	ug/l	98
46) Dibromomethane	9.301	93	50825	23.355	ug/l	95
47) Bromodichloromethane	9.490	83	115212	22.462	ug/l	100
48) Methyl methacrylate	9.289	41	71170	24.966	ug/l	93
49) 1,4-Dioxane	9.295	88	19322	544.511	ug/l #	41
51) 4-Methyl-2-Pentanone	10.063	43	426185	128.128	ug/l	94
52) Toluene	10.240	92	196583	22.362	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	125620	22.391	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	136583	22.386	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	70643	23.304	ug/l	97
56) Ethyl methacrylate	10.502	69	110341	23.840	ug/l	91
57) 1,3-Dichloropropane	10.782	76	119451	22.846	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	250368	116.095	ug/l	95
59) 2-Hexanone	10.825	43	309903	127.760	ug/l	91
60) Dibromochloromethane	10.977	129	85540	23.015	ug/l	100
61) 1,2-Dibromoethane	11.087	107	71570	23.666	ug/l	99
64) Tetrachloroethene	10.715	164	85208	23.535	ug/l	98
65) Chlorobenzene	11.514	112	212413	22.143	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	81008	22.397	ug/l	98
67) Ethyl Benzene	11.587	91	383623	22.149	ug/l	100
68) m/p-Xylenes	11.697	106	293381	44.375	ug/l	97
69) o-Xylene	12.026	106	143018	22.209	ug/l	99
70) Styrene	12.038	104	243588	22.443	ug/l	98
71) Bromoform	12.203	173	57800	23.576	ug/l #	100
73) Isopropylbenzene	12.325	105	377508	21.690	ug/l	99
74) N-amyl acetate	12.136	43	138526	23.764	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	92867	23.398	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	76488m	27.245	ug/l	
77) Bromobenzene	12.605	156	88034	22.158	ug/l	92
78) n-propylbenzene	12.666	91	453793	21.637	ug/l	99
79) 2-Chlorotoluene	12.751	91	259256	21.461	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	317095	21.815	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	33369	23.014	ug/l	94
82) 4-Chlorotoluene	12.849	91	267450	21.497	ug/l	100
83) tert-Butylbenzene	13.068	119	269459	20.898	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	313764	21.995	ug/l	100
85) sec-Butylbenzene	13.251	105	414542	21.916	ug/l	100
86) p-Isopropyltoluene	13.367	119	341926	22.141	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	173353	22.419	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	172821	22.304	ug/l	98
89) n-Butylbenzene	13.690	91	329462	21.928	ug/l	97
90) Hexachloroethane	13.959	117	68194	21.498	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	157874	22.285	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18640	24.557	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	100294	22.302	ug/l	99
94) Hexachlorobutadiene	15.105	225	53513	21.654	ug/l	98
95) Naphthalene	15.233	128	249052	23.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	90783	22.714	ug/l	98

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

