

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072122\
 Data File : VY009625.D
 Acq On : 21 Jul 2022 11:48
 Operator : KP/MD
 Sample : VY0721SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0721SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/22/2022
 Supervised By :Mahesh Dadoda 07/22/2022

Quant Time: Jul 22 02:28:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	218020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	321398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	292234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	101741	49.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.680%		
35) Dibromofluoromethane	7.710	113	104476	51.598	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.200%		
50) Toluene-d8	10.173	98	392298	50.399	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	100.800%		
62) 4-Bromofluorobenzene	12.477	95	132465	52.519	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	105.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	37742	19.729	ug/l	100
3) Chloromethane	2.107	50	50982	17.983	ug/l	98
4) Vinyl Chloride	2.241	62	62091	20.944	ug/l	99
5) Bromomethane	2.625	94	47346	23.595	ug/l	96
6) Chloroethane	2.778	64	40200	22.323	ug/l	99
7) Trichlorofluoromethane	3.107	101	75490	21.489	ug/l	91
8) Diethyl Ether	3.521	74	23304	20.275	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.881	101	43175	21.017	ug/l	93
10) Methyl Iodide	4.076	142	53353	19.552	ug/l #	88
11) Tert butyl alcohol	4.948	59	17846	66.002	ug/l #	94
12) 1,1-Dichloroethene	3.857	96	40725	20.312	ug/l	81
13) Acrolein	3.717	56	12641	85.753	ug/l	95
14) Allyl chloride	4.460	41	54318	17.514	ug/l #	93
15) Acrylonitrile	5.143	53	53595	94.412	ug/l	97
16) Acetone	3.936	43	42698	81.859	ug/l	90
17) Carbon Disulfide	4.174	76	119447	19.164	ug/l	100
18) Methyl Acetate	4.466	43	26996	18.438	ug/l #	87
19) Methyl tert-butyl Ether	5.210	73	106609	20.175	ug/l	94
20) Methylene Chloride	4.698	84	61113	16.819	ug/l #	80
21) trans-1,2-Dichloroethene	5.204	96	46613	20.541	ug/l	82
22) Diisopropyl ether	6.106	45	118034	17.822	ug/l #	94
23) Vinyl Acetate	6.051	43	368357	88.153	ug/l #	88
24) 1,1-Dichloroethane	6.003	63	75247	19.672	ug/l	98
25) 2-Butanone	6.978	43	64939	85.349	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	68301	19.932	ug/l	93
27) cis-1,2-Dichloroethene	6.972	96	51776	20.637	ug/l	83
28) Bromochloromethane	7.320	49	27490	16.773	ug/l #	66
29) Tetrahydrofuran	7.338	42	43386	86.853	ug/l #	82
30) Chloroform	7.496	83	81854	20.919	ug/l	98
31) Cyclohexane	7.777	56	67121	18.461	ug/l #	82
32) 1,1,1-Trichloroethane	7.691	97	75109	21.400	ug/l	95
36) 1,1-Dichloropropene	7.911	75	61130	20.430	ug/l	94
37) Ethyl Acetate	7.063	43	30135	18.096	ug/l #	92
38) Carbon Tetrachloride	7.893	117	69365	22.146	ug/l	98
39) Methylcyclohexane	9.179	83	75044	20.341	ug/l	88
40) Benzene	8.149	78	177040	20.221	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13577m	16.991	ug/l	
42) 1,2-Dichloroethane	8.228	62	51224	20.856	ug/l	92
43) Isopropyl Acetate	8.264	43	55784	18.281	ug/l #	88
44) Trichloroethene	8.935	130	53645	21.545	ug/l	95
45) 1,2-Dichloropropane	9.209	63	42281	19.684	ug/l	94
46) Dibromomethane	9.301	93	26864	21.533	ug/l	93
47) Bromodichloromethane	9.490	83	61535	21.035	ug/l	99
48) Methyl methacrylate	9.289	41	24837	18.423	ug/l #	84
49) 1,4-Dioxane	9.289	88	7614	457.868	ug/l #	81
51) 4-Methyl-2-Pentanone	10.063	43	146546	92.495	ug/l	90
52) Toluene	10.240	92	116070	20.929	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	61256	20.274	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	70096	20.404	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	37312	21.237	ug/l	96
56) Ethyl methacrylate	10.508	69	44605	19.844	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	61099	20.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	94710	97.488	ug/l #	89
59) 2-Hexanone	10.825	43	100767	91.443	ug/l	88
60) Dibromochloromethane	10.977	129	46297	21.776	ug/l	99
61) 1,2-Dibromoethane	11.081	107	36321	21.188	ug/l	99
64) Tetrachloroethene	10.715	164	52673	23.031	ug/l	96
65) Chlorobenzene	11.514	112	128541	21.525	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	49202	22.176	ug/l	98
67) Ethyl Benzene	11.587	91	216556	20.618	ug/l	94
68) m/p-Xylenes	11.697	106	176297	42.176	ug/l	90
69) o-Xylene	12.026	106	82401	21.065	ug/l	89
70) Styrene	12.038	104	136375	20.961	ug/l	94
71) Bromoform	12.203	173	31269	22.333	ug/l #	99
73) Isopropylbenzene	12.325	105	215946	21.033	ug/l	99
74) N-amyl acetate	12.142	43	49180	18.011	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	41496	20.181	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	27793m	19.675	ug/l	
77) Bromobenzene	12.605	156	55329	21.430	ug/l	85
78) n-propylbenzene	12.666	91	260347	20.985	ug/l	96
79) 2-Chlorotoluene	12.751	91	144264	20.973	ug/l	94
80) 1,3,5-Trimethylbenzene	12.806	105	182066	21.460	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	14345	20.023	ug/l #	85
82) 4-Chlorotoluene	12.849	91	149551	20.957	ug/l	94
83) tert-Butylbenzene	13.068	119	161383	21.411	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	178777	21.071	ug/l	97
85) sec-Butylbenzene	13.251	105	236207	21.137	ug/l	98
86) p-Isopropyltoluene	13.367	119	199251	21.216	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	108117	21.169	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	106857	21.102	ug/l	99
89) n-Butylbenzene	13.690	91	178080	20.762	ug/l	99
90) Hexachloroethane	13.959	117	38339	21.190	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	97168	21.778	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6685	21.371	ug/l	66
93) 1,2,4-Trichlorobenzene	15.007	180	61825	22.077	ug/l	99
94) Hexachlorobutadiene	15.111	225	37630	22.651	ug/l	99
95) Naphthalene	15.233	128	115164	21.540	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	53800	21.871	ug/l	99

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

