

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050322\
 Data File : VY008582.D
 Acq On : 03 May 2022 11:23
 Operator : KP/MD
 Sample : VY0503SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0503SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/04/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: May 03 16:56:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	142442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	221295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	210789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	81044	58.540	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.080%			
35) Dibromofluoromethane	7.716	113	85388	58.313	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.620%			
50) Toluene-d8	10.179	98	316737	61.055	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 122.100%			
62) 4-Bromofluorobenzene	12.483	95	109631	57.657	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35295	24.723	ug/l	99
3) Chloromethane	2.113	50	38870	23.424	ug/l	97
4) Vinyl Chloride	2.253	62	44799	22.455	ug/l	97
5) Bromomethane	2.643	94	34747	21.931	ug/l	94
6) Chloroethane	2.790	64	27428	21.452	ug/l	100
7) Trichlorofluoromethane	3.125	101	61342	22.733	ug/l	99
8) Diethyl Ether	3.527	74	19874	22.997	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.899	101	37080	23.375	ug/l	93
10) Methyl Iodide	4.088	142	39316	19.992	ug/l #	87
11) Tert butyl alcohol	4.954	59	23387	156.768	ug/l	97
12) 1,1-Dichloroethene	3.875	96	34446	23.044	ug/l #	71
13) Acrolein	3.729	56	20764	110.999	ug/l	97
14) Allyl chloride	4.478	41	42253	23.611	ug/l #	86
15) Acrylonitrile	5.161	53	45482	115.435	ug/l	97
16) Acetone	3.948	43	33077	110.887	ug/l #	81
17) Carbon Disulfide	4.192	76	101455	23.871	ug/l	100
18) Methyl Acetate	4.478	43	20512	23.169	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	91570	22.216	ug/l	92
20) Methylene Chloride	4.710	84	45550	22.349	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	39677	23.366	ug/l #	82
22) Diisopropyl ether	6.118	45	94991	22.993	ug/l #	91
23) Vinyl Acetate	6.057	43	313610	116.244	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	59480	22.841	ug/l	97
25) 2-Butanone	6.990	43	53482	111.698	ug/l #	74
26) 2,2-Dichloropropane	6.984	77	55933	22.425	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	42933	22.093	ug/l	81
28) Bromochloromethane	7.332	49	20734	20.823	ug/l #	63
29) Tetrahydrofuran	7.350	42	36842	116.012	ug/l #	76
30) Chloroform	7.508	83	65983	22.614	ug/l	98
31) Cyclohexane	7.789	56	57033	23.867	ug/l #	81
32) 1,1,1-Trichloroethane	7.697	97	59215	22.124	ug/l	93
36) 1,1-Dichloropropene	7.917	75	52307	22.972	ug/l	95
37) Ethyl Acetate	7.076	43	25648	21.964	ug/l #	91
38) Carbon Tetrachloride	7.899	117	55363	21.312	ug/l	99
39) Methylcyclohexane	9.185	83	67071	22.330	ug/l #	83
40) Benzene	8.161	78	147020	22.354	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	14683m	28.661	ug/l	
42) 1,2-Dichloroethane	8.240	62	39858	20.938	ug/l	87
43) Isopropyl Acetate	8.270	43	45884	21.596	ug/l #	84
44) Trichloroethene	8.941	130	44756	21.694	ug/l	93
45) 1,2-Dichloropropane	9.215	63	35037	22.835	ug/l	96
46) Dibromomethane	9.307	93	22649	21.145	ug/l	95
47) Bromodichloromethane	9.496	83	49494	21.207	ug/l	98
48) Methyl methacrylate	9.295	41	20848	22.324	ug/l #	78
49) 1,4-Dioxane	9.295	88	5964	439.141	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	123129	110.413	ug/l #	84
52) Toluene	10.246	92	98464	22.398	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	53307	21.606	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	59783	21.810	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	31875	21.356	ug/l	96
56) Ethyl methacrylate	10.508	69	40309	21.379	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	52269	21.937	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	98721	103.159	ug/l #	88
59) 2-Hexanone	10.831	43	84061	110.688	ug/l	81
60) Dibromochloromethane	10.983	129	39176	20.983	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32190	21.310	ug/l	99
64) Tetrachloroethene	10.721	164	40756	21.195	ug/l	98
65) Chlorobenzene	11.514	112	108481	21.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	39358	20.532	ug/l	97
67) Ethyl Benzene	11.593	91	184081	21.550	ug/l	98
68) m/p-Xylenes	11.703	106	149769	42.920	ug/l	88
69) o-Xylene	12.032	106	71111	21.264	ug/l	89
70) Styrene	12.044	104	117759	21.182	ug/l	93
71) Bromoform	12.209	173	25738	20.198	ug/l #	99
73) Isopropylbenzene	12.331	105	185455	21.627	ug/l	98
74) N-amyl acetate	12.142	43	40860	21.322	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.581	83	37442	21.577	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	47338	40.344	ug/l #	100
77) Bromobenzene	12.611	156	46904	20.731	ug/l	86
78) n-propylbenzene	12.672	91	218223	21.869	ug/l	95
79) 2-Chlorotoluene	12.757	91	122256	21.761	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	153031	21.600	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	12240	21.149	ug/l #	82
82) 4-Chlorotoluene	12.855	91	126420	21.844	ug/l	94
83) tert-Butylbenzene	13.074	119	136387	21.493	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	151660	21.537	ug/l	96
85) sec-Butylbenzene	13.251	105	202709	21.676	ug/l	97
86) p-Isopropyltoluene	13.367	119	171449	21.594	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	91651	20.946	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	91456	21.190	ug/l	98
89) n-Butylbenzene	13.696	91	152753	21.842	ug/l	97
90) Hexachloroethane	13.958	117	31218	21.230	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	82017	21.004	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5544	20.993	ug/l	65
93) 1,2,4-Trichlorobenzene	15.007	180	50333	20.201	ug/l	100
94) Hexachlorobutadiene	15.111	225	29531	20.987	ug/l	99
95) Naphthalene	15.239	128	100431	20.100	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	44322	20.042	ug/l	98

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

