

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042222\
 Data File : VY008457.D
 Acq On : 22 Apr 2022 12:11
 Operator : KP/MD
 Sample : VY0422SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0422SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/25/2022
 Supervised By :Mahesh Dadoda 04/25/2022

Quant Time: Apr 23 01:50:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	101652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	175726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	167618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59636	49.860	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.720%		
35) Dibromofluoromethane	7.716	113	57069	50.321	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.640%		
50) Toluene-d8	10.179	98	207905	46.174	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.340%		
62) 4-Bromofluorobenzene	12.483	95	72241	47.305	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16827	18.229	ug/l	98
3) Chloromethane	2.113	50	28170	19.393	ug/l	93
4) Vinyl Chloride	2.253	62	37390	19.810	ug/l	98
5) Bromomethane	2.643	94	35245	20.083	ug/l	96
6) Chloroethane	2.790	64	25179	20.052	ug/l	97
7) Trichlorofluoromethane	3.125	101	38383	19.631	ug/l	92
8) Diethyl Ether	3.527	74	13337	19.819	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	23248	19.974	ug/l	93
10) Methyl Iodide	4.094	142	25007	17.447	ug/l	92
11) Tert butyl alcohol	4.948	59	14739	107.784	ug/l	100
12) 1,1-Dichloroethene	3.875	96	21441	19.512	ug/l #	79
13) Acrolein	3.729	56	12740	100.046	ug/l	98
14) Allyl chloride	4.479	41	28112	19.600	ug/l #	89
15) Acrylonitrile	5.161	53	32974	95.833	ug/l	98
16) Acetone	3.948	43	25466	91.412	ug/l	94
17) Carbon Disulfide	4.192	76	61907	18.635	ug/l	97
18) Methyl Acetate	4.472	43	15096	19.322	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	66690	19.181	ug/l	94
20) Methylene Chloride	4.716	84	35098	20.596	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	26232	19.570	ug/l #	82
22) Diisopropyl ether	6.118	45	67854	19.590	ug/l #	94
23) Vinyl Acetate	6.064	43	231468	97.475	ug/l #	88
24) 1,1-Dichloroethane	6.021	63	42377	19.655	ug/l	98
25) 2-Butanone	6.990	43	40527	94.032	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	38698	19.380	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	30180	19.684	ug/l	82
28) Bromochloromethane	7.332	49	16788	19.304	ug/l #	76
29) Tetrahydrofuran	7.350	42	26787	96.497	ug/l #	77
30) Chloroform	7.508	83	46835	19.773	ug/l	99
31) Cyclohexane	7.789	56	37237	18.938	ug/l #	79
32) 1,1,1-Trichloroethane	7.704	97	40127	19.347	ug/l	94
36) 1,1-Dichloropropene	7.917	75	35046	19.427	ug/l	98
37) Ethyl Acetate	7.076	43	20134	20.181	ug/l #	92
38) Carbon Tetrachloride	7.905	117	37012	19.747	ug/l	94
39) Methylcyclohexane	9.185	83	45478	19.689	ug/l	86
40) Benzene	8.161	78	101964	19.374	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	9068m	18.742	ug/l	
42) 1,2-Dichloroethane	8.240	62	31408	19.822	ug/l	91
43) Isopropyl Acetate	8.271	43	35614	19.410	ug/l #	88
44) Trichloroethene	8.941	130	27948	19.275	ug/l	99
45) 1,2-Dichloropropane	9.215	63	25365	20.070	ug/l	94
46) Dibromomethane	9.301	93	17030	19.233	ug/l	94
47) Bromodichloromethane	9.496	83	36244	19.282	ug/l	100
48) Methyl methacrylate	9.295	41	14684	18.821	ug/l #	74
49) 1,4-Dioxane	9.301	88	4547	407.234	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	94481	97.883	ug/l #	86
52) Toluene	10.246	92	67235	19.317	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	38615	19.157	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	42737	19.132	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	23013	19.042	ug/l	97
56) Ethyl methacrylate	10.508	69	29456	18.877	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	38557	19.544	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	77490	90.610	ug/l	90
59) 2-Hexanone	10.831	43	64269	96.756	ug/l	83
60) Dibromochloromethane	10.983	129	26273	18.922	ug/l	95
61) 1,2-Dibromoethane	11.087	107	22758	19.040	ug/l	98
64) Tetrachloroethene	10.721	164	24452	19.671	ug/l	98
65) Chlorobenzene	11.520	112	73721	19.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	27269	19.488	ug/l	99
67) Ethyl Benzene	11.593	91	127054	19.316	ug/l	97
68) m/p-Xylenes	11.703	106	101174	38.400	ug/l	90
69) o-Xylene	12.032	106	47983	18.917	ug/l	92
70) Styrene	12.044	104	79772	18.662	ug/l	95
71) Bromoform	12.209	173	16267	18.550	ug/l #	98
73) Isopropylbenzene	12.331	105	126511	20.713	ug/l	100
74) N-amyl acetate	12.142	43	30670	20.323	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	27749	20.334	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	21112m	20.251	ug/l	
77) Bromobenzene	12.611	156	29827	20.024	ug/l	94
78) n-propylbenzene	12.672	91	152721	20.846	ug/l	100
79) 2-Chlorotoluene	12.758	91	84542	20.503	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	103514	20.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8868	19.733	ug/l	86
82) 4-Chlorotoluene	12.855	91	86754	20.304	ug/l	96
83) tert-Butylbenzene	13.075	119	89081	20.241	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	102726	20.422	ug/l	96
85) sec-Butylbenzene	13.251	105	137491	20.701	ug/l	99
86) p-Isopropyltoluene	13.367	119	111482	20.042	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	57921	19.422	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	57779	19.558	ug/l	98
89) n-Butylbenzene	13.696	91	105979	20.992	ug/l	100
90) Hexachloroethane	13.959	117	20473	20.472	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	52101	19.648	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4218	20.567	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	29371	19.899	ug/l	99
94) Hexachlorobutadiene	15.111	225	14793	20.540	ug/l	98
95) Naphthalene	15.239	128	64226	19.194	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	25931	20.071	ug/l	99

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

