

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032222\
 Data File : VY007994.D
 Acq On : 22 Mar 2022 12:39
 Operator : SY/MD
 Sample : VY0322SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0322SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/23/2022
 Supervised By :Semsettin Yesilyurt 03/23/2022

Quant Time: Mar 23 05:06:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	207927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	370409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	326195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115576	48.751	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.500%		
35) Dibromofluoromethane	7.716	113	115673	44.466	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.940%		
50) Toluene-d8	10.179	98	399325	50.975	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.960%		
62) 4-Bromofluorobenzene	12.483	95	151629	40.614	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31654	20.559	ug/l	97
3) Chloromethane	2.113	50	45632	24.180	ug/l	97
4) Vinyl Chloride	2.253	62	58471	25.964	ug/l	99
5) Bromomethane	2.644	94	45448	30.334	ug/l	94
6) Chloroethane	2.790	64	41325	24.303	ug/l	98
7) Trichlorofluoromethane	3.125	101	81401	21.352	ug/l	99
8) Diethyl Ether	3.528	74	30954	21.878	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.906	101	52096	21.157	ug/l	88
10) Methyl Iodide	4.088	142	46314	20.348	ug/l	92
11) Tert butyl alcohol	4.960	59	30722	111.235	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	47046	20.837	ug/l	82
13) Acrolein	3.729	56	19138	115.047	ug/l	97
14) Allyl chloride	4.485	41	81233	21.391	ug/l #	93
15) Acrylonitrile	5.161	53	85526	113.426	ug/l	97
16) Acetone	3.948	43	67617	107.512	ug/l #	81
17) Carbon Disulfide	4.192	76	113476	23.499	ug/l	98
18) Methyl Acetate	4.479	43	44523	27.096	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	157619	22.256	ug/l	98
20) Methylene Chloride	4.716	84	62628	23.193	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	54625	21.611	ug/l	89
22) Diisopropyl ether	6.119	45	185542	22.710	ug/l #	93
23) Vinyl Acetate	6.058	43	575560	112.475	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	102840	22.347	ug/l	98
25) 2-Butanone	6.984	43	109612	108.807	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	94066	22.054	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	66140	21.800	ug/l	90
28) Bromochloromethane	7.332	49	41357	22.753	ug/l	92
29) Tetrahydrofuran	7.344	42	72275	111.971	ug/l #	88
30) Chloroform	7.502	83	106896	22.473	ug/l	97
31) Cyclohexane	7.783	56	92093	24.242	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	93187	21.752	ug/l	97
36) 1,1-Dichloropropene	7.917	75	77218	20.014	ug/l	99
37) Ethyl Acetate	7.076	43	49423	20.993	ug/l #	93
38) Carbon Tetrachloride	7.899	117	80341	19.487	ug/l	97
39) Methylcyclohexane	9.179	83	97042	20.837	ug/l	94
40) Benzene	8.161	78	227555	20.183	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25785m	17.760	ug/l	
42) 1,2-Dichloroethane	8.234	62	67624	20.715	ug/l	92
43) Isopropyl Acetate	8.271	43	92307	20.338	ug/l #	92
44) Trichloroethene	8.941	130	59030	18.934	ug/l	88
45) 1,2-Dichloropropane	9.216	63	60777	20.818	ug/l	93
46) Dibromomethane	9.307	93	34799	20.376	ug/l	88
47) Bromodichloromethane	9.496	83	84515	20.484	ug/l	98
48) Methyl methacrylate	9.289	41	40381	20.001	ug/l #	86
49) 1,4-Dioxane	9.301	88	10217	422.412	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	244868	102.401	ug/l	91
52) Toluene	10.246	92	145353	20.074	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	87029	19.773	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	95922	19.543	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	49840	20.087	ug/l	96
56) Ethyl methacrylate	10.508	69	68880	19.337	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	84254	20.362	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	171957	98.406	ug/l	97
59) 2-Hexanone	10.831	43	170784	99.873	ug/l	87
60) Dibromochloromethane	10.983	129	57174	19.239	ug/l	99
61) 1,2-Dibromoethane	11.087	107	46944	19.557	ug/l	100
64) Tetrachloroethene	10.721	164	45946	18.101	ug/l	92
65) Chlorobenzene	11.520	112	154898	19.823	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	56787	19.302	ug/l	96
67) Ethyl Benzene	11.593	91	279816	20.103	ug/l	94
68) m/p-Xylenes	11.703	106	214491	39.504	ug/l	95
69) o-Xylene	12.032	106	103743	19.753	ug/l	95
70) Styrene	12.044	104	173546	19.654	ug/l	97
71) Bromoform	12.209	173	32516	17.255	ug/l #	99
73) Isopropylbenzene	12.331	105	279853	21.015	ug/l	99
74) N-amyl acetate	12.142	43	85229	21.693	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	60893	21.243	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	47757m	22.146	ug/l	
77) Bromobenzene	12.611	156	58485	19.219	ug/l	91
78) n-propylbenzene	12.672	91	337121	20.964	ug/l	100
79) 2-Chlorotoluene	12.758	91	191186	21.132	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	224782	20.525	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21125	20.576	ug/l #	85
82) 4-Chlorotoluene	12.855	91	194559	20.701	ug/l	99
83) tert-Butylbenzene	13.075	119	199456	20.352	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	220390	20.529	ug/l	98
85) sec-Butylbenzene	13.257	105	307001	20.903	ug/l	99
86) p-Isopropyltoluene	13.373	119	242858	20.368	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	117256	19.729	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	117398	19.708	ug/l	96
89) n-Butylbenzene	13.696	91	243525	21.282	ug/l	98
90) Hexachloroethane	13.965	117	46642	19.599	ug/l	75
91) 1,2-Dichlorobenzene	13.739	146	107540	20.116	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9045	18.341	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	60697	17.961	ug/l	98
94) Hexachlorobutadiene	15.111	225	30516	16.926	ug/l	99
95) Naphthalene	15.239	128	145026	19.235	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	53432	17.926	ug/l	96

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

