

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007946.D
 Acq On : 21 Mar 2022 11:47
 Operator : SY/MD
 Sample : VY0321SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0321SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 21 19:04:28 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	247516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	424047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	376865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	139209	49.327	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.660%		
35) Dibromofluoromethane	7.715	113	144099	48.387	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.780%		
50) Toluene-d8	10.178	98	501013	56.484	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	112.960%		
62) 4-Bromofluorobenzene	12.483	95	191271	44.752	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	39913	22.091	ug/l	97
3) Chloromethane	2.113	50	53047	23.456	ug/l	96
4) Vinyl Chloride	2.253	62	65017	23.982	ug/l	99
5) Bromomethane	2.643	94	52099	28.975	ug/l	97
6) Chloroethane	2.789	64	45244	22.352	ug/l	97
7) Trichlorofluoromethane	3.125	101	96002	21.155	ug/l	98
8) Diethyl Ether	3.533	74	34542	20.509	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.905	101	62266	21.243	ug/l	91
10) Methyl Iodide	4.094	142	54298	20.040	ug/l	91
11) Tert butyl alcohol	4.948	59	32880	100.008	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	56152	20.893	ug/l	90
13) Acrolein	3.728	56	22838	115.331	ug/l	96
14) Allyl chloride	4.484	41	90737	20.072	ug/l #	93
15) Acrylonitrile	5.167	53	91876	102.359	ug/l	96
16) Acetone	3.948	43	73310	97.920	ug/l #	89
17) Carbon Disulfide	4.198	76	134850	23.448	ug/l	99
18) Methyl Acetate	4.472	43	47403	23.545	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	175742	20.846	ug/l	100
20) Methylene Chloride	4.716	84	72418	22.383	ug/l	83
21) trans-1,2-Dichloroethene	5.222	96	63654	21.155	ug/l	88
22) Diisopropyl ether	6.118	45	202587	20.830	ug/l #	94
23) Vinyl Acetate	6.057	43	632724	103.869	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	115982	21.172	ug/l	98
25) 2-Butanone	6.984	43	117357	97.863	ug/l #	83
26) 2,2-Dichloropropane	6.984	77	106937	21.062	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	76563	21.199	ug/l	87
28) Bromochloromethane	7.331	49	47704	22.047	ug/l #	87
29) Tetrahydrofuran	7.350	42	76998	100.208	ug/l #	87
30) Chloroform	7.508	83	121747	21.501	ug/l	99
31) Cyclohexane	7.782	56	105144	23.033	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	108328	21.241	ug/l	96
36) 1,1-Dichloropropene	7.917	75	89345	20.228	ug/l	97
37) Ethyl Acetate	7.075	43	50844	18.865	ug/l #	93
38) Carbon Tetrachloride	7.898	117	95115	20.152	ug/l	93
39) Methylcyclohexane	9.185	83	114208	21.517	ug/l	90
40) Benzene	8.160	78	258588	20.034	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	26208m	15.768	ug/l	
42) 1,2-Dichloroethane	8.240	62	76496	20.469	ug/l	91
43) Isopropyl Acetate	8.276	43	99857	19.218	ug/l #	90
44) Trichloroethene	8.941	130	70888	19.861	ug/l	93
45) 1,2-Dichloropropane	9.215	63	67086	20.072	ug/l	96
46) Dibromomethane	9.307	93	39760	20.336	ug/l	89
47) Bromodichloromethane	9.496	83	93821	19.863	ug/l	99
48) Methyl methacrylate	9.294	41	43603	18.865	ug/l #	87
49) 1,4-Dioxane	9.294	88	11364	410.404	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	261038	95.355	ug/l	90
52) Toluene	10.245	92	166490	20.085	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	98503	19.549	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	110945	19.745	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	56903	20.032	ug/l	97
56) Ethyl methacrylate	10.508	69	77736	19.063	ug/l #	81
57) 1,3-Dichloropropane	10.794	76	94490	19.948	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	189553	94.754	ug/l	96
59) 2-Hexanone	10.831	43	181440	92.683	ug/l	89
60) Dibromochloromethane	10.983	129	66103	19.430	ug/l	98
61) 1,2-Dibromoethane	11.087	107	53226	19.369	ug/l	100
64) Tetrachloroethene	10.721	164	57488	19.603	ug/l	95
65) Chlorobenzene	11.514	112	180060	19.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	66605	19.595	ug/l	97
67) Ethyl Benzene	11.593	91	328434	20.423	ug/l	99
68) m/p-Xylenes	11.703	106	250505	39.933	ug/l	94
69) o-Xylene	12.032	106	121914	20.092	ug/l	94
70) Styrene	12.044	104	203999	19.997	ug/l	95
71) Bromoform	12.209	173	39697	18.234	ug/l #	100
73) Isopropylbenzene	12.330	105	322369	20.502	ug/l	99
74) N-amyl acetate	12.141	43	90588	19.528	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	68304	20.181	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	43587m	17.119	ug/l	
77) Bromobenzene	12.611	156	69850	19.440	ug/l	95
78) n-propylbenzene	12.672	91	389860	20.533	ug/l	98
79) 2-Chlorotoluene	12.757	91	218755	20.478	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	265527	20.535	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	23479	19.369	ug/l #	85
82) 4-Chlorotoluene	12.855	91	225167	20.291	ug/l	98
83) tert-Butylbenzene	13.074	119	233489	20.179	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	262284	20.692	ug/l	98
85) sec-Butylbenzene	13.257	105	359966	20.758	ug/l	100
86) p-Isopropyltoluene	13.373	119	288705	20.508	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	141600	20.179	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	141698	20.147	ug/l	98
89) n-Butylbenzene	13.696	91	281387	20.828	ug/l	99
90) Hexachloroethane	13.964	117	57290	20.388	ug/l	76
91) 1,2-Dichlorobenzene	13.739	146	126462	20.035	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10931	18.773	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	72690	18.218	ug/l	98
94) Hexachlorobutadiene	15.117	225	37778	17.747	ug/l	99
95) Naphthalene	15.238	128	167091	18.769	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	62478	17.753	ug/l	97

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

