

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008631.D
 Acq On : 04 May 2022 23:43
 Operator : KP/MD
 Sample : VY0504SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS03

Quant Time: May 05 04:41:20 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	144871	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	228319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	211510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	74101	52.627	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.260%			
35) Dibromofluoromethane	7.716	113	79955	52.923	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.179	98	289249	54.041	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.080%			
62) 4-Bromofluorobenzene	12.483	95	100848	51.406	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	33130	22.818	ug/l	96
3) Chloromethane	2.113	50	37050	21.953	ug/l	94
4) Vinyl Chloride	2.247	62	41235	20.322	ug/l	96
5) Bromomethane	2.644	94	31387	19.117	ug/l	96
6) Chloroethane	2.790	64	25610	19.694	ug/l	99
7) Trichlorofluoromethane	3.119	101	55890	20.365	ug/l	97
8) Diethyl Ether	3.528	74	19447	22.126	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.893	101	34642	21.472	ug/l	94
10) Methyl Iodide	4.088	142	38828	19.413	ug/l #	86
11) Tert butyl alcohol	4.942	59	18013	113.219	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	32671	21.490	ug/l #	74
13) Acrolein	3.729	56	19195	100.892	ug/l	99
14) Allyl chloride	4.473	41	41293	22.688	ug/l #	86
15) Acrylonitrile	5.161	53	44767	111.715	ug/l	97
16) Acetone	3.942	43	30922	101.925	ug/l #	83
17) Carbon Disulfide	4.192	76	96492	22.323	ug/l	100
18) Methyl Acetate	4.473	43	20907	23.224	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	88865	21.198	ug/l	93
20) Methylene Chloride	4.710	84	56037	28.474	ug/l #	76
21) trans-1,2-Dichloroethene	5.216	96	37949	21.974	ug/l	82
22) Diisopropyl ether	6.119	45	96269	22.912	ug/l #	90
23) Vinyl Acetate	6.058	43	303937	110.769	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	60015	22.660	ug/l	99
25) 2-Butanone	6.984	43	52064	106.913	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	47238	18.622	ug/l	90
27) cis-1,2-Dichloroethene	6.978	96	42753	21.631	ug/l	80
28) Bromochloromethane	7.332	49	20349	20.094	ug/l #	62
29) Tetrahydrofuran	7.344	42	35613	110.262	ug/l #	78
30) Chloroform	7.502	83	63986	21.562	ug/l	98
31) Cyclohexane	7.783	56	54243	22.319	ug/l #	78
32) 1,1,1-Trichloroethane	7.698	97	56259	20.668	ug/l	93
36) 1,1-Dichloropropene	7.917	75	48197	20.516	ug/l	94
37) Ethyl Acetate	7.070	43	25033	20.778	ug/l #	91
38) Carbon Tetrachloride	7.899	117	51885	19.359	ug/l	99
39) Methylcyclohexane	9.179	83	63275	20.418	ug/l #	83
40) Benzene	8.161	78	146966	21.658	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	12840m	24.293	ug/l	
42) 1,2-Dichloroethane	8.234	62	38582	19.644	ug/l	87
43) Isopropyl Acetate	8.271	43	45614	20.809	ug/l #	87
44) Trichloroethene	8.935	130	42416	19.927	ug/l	97
45) 1,2-Dichloropropane	9.216	63	35435	22.384	ug/l	95
46) Dibromomethane	9.301	93	21583	19.530	ug/l	93
47) Bromodichloromethane	9.496	83	49882	20.716	ug/l	100
48) Methyl methacrylate	9.289	41	19042	19.763	ug/l #	75
49) 1,4-Dioxane	9.295	88	5723	408.432	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	117415	102.050	ug/l #	82
52) Toluene	10.240	92	95031	20.952	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	49171	19.316	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	57196	20.224	ug/l #	80
55) 1,1,2-Trichloroethane	10.642	97	31591	20.514	ug/l	97
56) Ethyl methacrylate	10.508	69	39867	20.494	ug/l #	71
57) 1,3-Dichloropropane	10.788	76	51104	20.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	93836	95.038	ug/l #	89
59) 2-Hexanone	10.831	43	79822	101.872	ug/l	80
60) Dibromochloromethane	10.984	129	38235	19.849	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30756	19.734	ug/l	99
64) Tetrachloroethene	10.721	164	39026	20.226	ug/l	96
65) Chlorobenzene	11.514	112	104520	20.515	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	39321	20.443	ug/l	96
67) Ethyl Benzene	11.593	91	177634	20.724	ug/l	97
68) m/p-Xylenes	11.703	106	144873	41.376	ug/l	88
69) o-Xylene	12.026	106	69358	20.669	ug/l	87
70) Styrene	12.044	104	114943	20.605	ug/l	92
71) Bromoform	12.209	173	24491	19.154	ug/l #	98
73) Isopropylbenzene	12.331	105	178020	20.721	ug/l	99
74) N-amyl acetate	12.142	43	39178	20.405	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	36532	21.013	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	26277m	22.352	ug/l	
77) Bromobenzene	12.611	156	45003	19.853	ug/l	87
78) n-propylbenzene	12.672	91	210477	21.052	ug/l	96
79) 2-Chlorotoluene	12.758	91	118596	21.069	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	147454	20.773	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	10690	18.436	ug/l #	84
82) 4-Chlorotoluene	12.855	91	122106	21.058	ug/l	93
83) tert-Butylbenzene	13.075	119	130362	20.504	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	145255	20.588	ug/l	95
85) sec-Butylbenzene	13.251	105	195210	20.834	ug/l	99
86) p-Isopropyltoluene	13.367	119	162527	20.431	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	87595	19.980	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	87485	20.231	ug/l	99
89) n-Butylbenzene	13.696	91	143728	20.512	ug/l	98
90) Hexachloroethane	13.959	117	30480	20.689	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	78609	20.093	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5004	18.912	ug/l	57
93) 1,2,4-Trichlorobenzene	15.007	180	47597	19.066	ug/l	98
94) Hexachlorobutadiene	15.111	225	26700	18.939	ug/l	99
95) Naphthalene	15.233	128	95403	19.057	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	41161	18.577	ug/l	99

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

