

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008603.D
 Acq On : 04 May 2022 11:42
 Operator : KP/MD
 Sample : VY0504SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Manual Integrations
 APPROVED

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

Quant Time: May 05 04:33:18 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	144514	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	221188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	205893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	76059	54.151	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.300%			
35) Dibromofluoromethane	7.716	113	78539	53.662	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.320%			
50) Toluene-d8	10.179	98	288427	55.624	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.240%			
62) 4-Bromofluorobenzene	12.483	95	101698	53.511	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	33763	23.311	ug/l	97
3) Chloromethane	2.113	50	38018	22.582	ug/l	96
4) Vinyl Chloride	2.253	62	43537	21.509	ug/l	100
5) Bromomethane	2.643	94	34815	21.619	ug/l	98
6) Chloroethane	2.790	64	27296	21.043	ug/l	97
7) Trichlorofluoromethane	3.119	101	59622	21.778	ug/l	95
8) Diethyl Ether	3.527	74	19310	22.024	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.893	101	35131	21.829	ug/l	93
10) Methyl Iodide	4.088	142	34355	17.219	ug/l #	88
11) Tert butyl alcohol	4.954	59	19807	127.122	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	32566	21.474	ug/l #	73
13) Acrolein	3.729	56	19755	104.091	ug/l	96
14) Allyl chloride	4.479	41	40605	22.365	ug/l #	88
15) Acrylonitrile	5.161	53	45187	113.042	ug/l	98
16) Acetone	3.942	43	34015	112.397	ug/l #	88
17) Carbon Disulfide	4.192	76	95263	22.093	ug/l	99
18) Methyl Acetate	4.472	43	20301	22.557	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	89995	21.521	ug/l	95
20) Methylene Chloride	4.710	84	43228	20.462	ug/l #	77
21) trans-1,2-Dichloroethene	5.216	96	37981	22.047	ug/l #	78
22) Diisopropyl ether	6.112	45	93339	22.270	ug/l #	94
23) Vinyl Acetate	6.051	43	306711	112.056	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	58625	22.189	ug/l	97
25) 2-Butanone	6.984	43	54312	111.805	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	53765	21.247	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	42256	21.433	ug/l	80
28) Bromochloromethane	7.332	49	19888	19.687	ug/l #	60
29) Tetrahydrofuran	7.344	42	36237	112.471	ug/l #	77
30) Chloroform	7.502	83	62986	21.277	ug/l	98
31) Cyclohexane	7.783	56	53108	21.906	ug/l #	82
32) 1,1,1-Trichloroethane	7.697	97	58263	21.457	ug/l #	93
36) 1,1-Dichloropropene	7.917	75	48575	21.343	ug/l	94
37) Ethyl Acetate	7.069	43	25987	22.265	ug/l #	90
38) Carbon Tetrachloride	7.899	117	53135	20.464	ug/l	97
39) Methylcyclohexane	9.185	83	63898	21.284	ug/l #	85
40) Benzene	8.161	78	142492	21.676	ug/l	98

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41) Methacrylonitrile	7.307	41	13252	25.880	ug/l #	39
42) 1,2-Dichloroethane	8.234	62	39142	20.571	ug/l	87
43) Isopropyl Acetate	8.271	43	45289	21.326	ug/l #	85
44) Trichloroethene	8.941	130	42476	20.598	ug/l	97
45) 1,2-Dichloropropane	9.215	63	33921	22.118	ug/l	94
46) Dibromomethane	9.301	93	22035	20.582	ug/l	93
47) Bromodichloromethane	9.496	83	48507	20.794	ug/l #	99
48) Methyl methacrylate	9.289	41	19645	21.046	ug/l #	76
49) 1,4-Dioxane	9.295	88	5971	439.869	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	122337	109.755	ug/l #	84
52) Toluene	10.246	92	93368	21.249	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	51245	20.780	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	58059	21.191	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	32006	21.454	ug/l	96
56) Ethyl methacrylate	10.508	69	39622	21.024	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	51303	21.542	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	95072	99.394	ug/l #	89
59) 2-Hexanone	10.831	43	85087	112.093	ug/l	82
60) Dibromochloromethane	10.983	129	38515	20.639	ug/l	100
61) 1,2-Dibromoethane	11.087	107	31650	20.962	ug/l	99
64) Tetrachloroethene	10.715	164	39316	20.932	ug/l	97
65) Chlorobenzene	11.514	112	103632	20.896	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	39116	20.891	ug/l	98
67) Ethyl Benzene	11.593	91	177905	21.322	ug/l	97
68) m/p-Xylenes	11.703	106	142923	41.932	ug/l	89
69) o-Xylene	12.032	106	68608	21.003	ug/l	88
70) Styrene	12.044	104	114381	21.064	ug/l	93
71) Bromoform	12.209	173	25452	20.448	ug/l #	99
73) Isopropylbenzene	12.331	105	178755	21.129	ug/l	98
74) N-amyl acetate	12.148	43	40613	21.481	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.587	83	36843	21.520	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	25537m	22.060	ug/l	
77) Bromobenzene	12.611	156	45617	20.436	ug/l	85
78) n-propylbenzene	12.672	91	210347	21.366	ug/l	95
79) 2-Chlorotoluene	12.758	91	118405	21.362	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	147472	21.098	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	11892	20.827	ug/l #	84
82) 4-Chlorotoluene	12.855	91	120847	21.165	ug/l	94
83) tert-Butylbenzene	13.075	119	131194	20.956	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	147807	21.275	ug/l	95
85) sec-Butylbenzene	13.257	105	196220	21.267	ug/l	97
86) p-Isopropyltoluene	13.373	119	164562	21.008	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	89301	20.686	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	89140	20.934	ug/l	98
89) n-Butylbenzene	13.696	91	147034	21.310	ug/l	97
90) Hexachloroethane	13.959	117	30275	20.869	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	79934	20.748	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5462	20.964	ug/l	64
93) 1,2,4-Trichlorobenzene	15.007	180	49104	19.975	ug/l	99
94) Hexachlorobutadiene	15.117	225	27942	20.127	ug/l	97
95) Naphthalene	15.239	128	96633	19.603	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	42691	19.566	ug/l	98

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

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