

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012580.D
 Acq On : 14 Feb 2023 11:35
 Operator : KP/MD
 Sample : VY0214SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0214SBS01

Quant Time: Feb 15 04:31:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	121381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	177795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	162166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79429	51.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.920%	
35) Dibromofluoromethane	7.716	113	68545	52.938	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.880%	
50) Toluene-d8	10.179	98	281958	52.317	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.640%	
62) 4-Bromofluorobenzene	12.483	95	95552	50.830	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.660%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	20426	21.826	ug/l	98
3) Chloromethane	2.113	50	17638	18.650	ug/l	97
4) Vinyl Chloride	2.253	62	22859	19.401	ug/l	98
5) Bromomethane	2.643	94	19173	20.594	ug/l	95
6) Chloroethane	2.790	64	16398	19.995	ug/l	98
7) Trichlorofluoromethane	3.125	101	51240	21.158	ug/l	99
8) Diethyl Ether	3.527	74	14020	19.523	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	25043	20.477	ug/l	98
10) Methyl Iodide	4.088	142	30493	19.233	ug/l	99
11) Tert butyl alcohol	4.954	59	12297	76.215	ug/l	98
12) 1,1-Dichloroethene	3.869	96	23796	19.693	ug/l	92
13) Acrolein	3.729	56	16446	90.634	ug/l	96
14) Allyl chloride	4.479	41	26489	17.979	ug/l	93
15) Acrylonitrile	5.161	53	31993	96.566	ug/l	99
16) Acetone	3.942	43	33270	89.556	ug/l	99
17) Carbon Disulfide	4.192	76	53397	17.037	ug/l	99
18) Methyl Acetate	4.472	43	16252	18.201	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	71134	20.118	ug/l	99
20) Methylene Chloride	4.716	84	30741	19.585	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	25744	19.535	ug/l	98
22) Diisopropyl ether	6.118	45	57790	19.290	ug/l	96
23) Vinyl Acetate	6.058	43	172039	95.259	ug/l	97
24) 1,1-Dichloroethane	6.015	63	41372	19.318	ug/l	98
25) 2-Butanone	6.984	43	36556	88.689	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	47051	19.996	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	29736	19.444	ug/l	99
28) Bromochloromethane	7.332	49	14921	19.167	ug/l	94
29) Tetrahydrofuran	7.344	42	20604	92.464	ug/l	96
30) Chloroform	7.502	83	52449	20.313	ug/l	99
31) Cyclohexane	7.783	56	32717	18.333	ug/l #	91
32) 1,1,1-Trichloroethane	7.697	97	51648	20.613	ug/l	99
36) 1,1-Dichloropropene	7.917	75	34521	19.699	ug/l	99
37) Ethyl Acetate	7.070	43	14710	18.603	ug/l	99
38) Carbon Tetrachloride	7.899	117	49924	21.223	ug/l	99
39) Methylcyclohexane	9.185	83	40897	19.395	ug/l	99
40) Benzene	8.161	78	103443	19.986	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	6691	15.445	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	35182	20.972	ug/l	99
43) Isopropyl Acetate	8.271	43	28258	19.274	ug/l	99
44) Trichloroethene	8.941	130	32467	20.606	ug/l	89
45) 1,2-Dichloropropane	9.215	63	21561	19.211	ug/l	94
46) Dibromomethane	9.301	93	14979	20.157	ug/l	99
47) Bromodichloromethane	9.496	83	39420	20.458	ug/l	97
48) Methyl methacrylate	9.289	41	12526	18.692	ug/l	91
49) 1,4-Dioxane	9.301	88	4078	397.521	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	75414	95.340	ug/l	99
52) Toluene	10.246	92	72329	20.607	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	39341	20.262	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	42363	20.162	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	22313	20.549	ug/l	94
56) Ethyl methacrylate	10.508	69	27789	20.370	ug/l	96
57) 1,3-Dichloropropane	10.788	76	35471	20.241	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	66668	108.723	ug/l	94
59) 2-Hexanone	10.831	43	56165	93.957	ug/l	99
60) Dibromochloromethane	10.983	129	29655	20.488	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20656	20.302	ug/l	98
64) Tetrachloroethene	10.721	164	36436	21.521	ug/l	98
65) Chlorobenzene	11.514	112	79841	20.758	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	31812	21.106	ug/l	98
67) Ethyl Benzene	11.593	91	138635	20.531	ug/l	99
68) m/p-Xylenes	11.703	106	112715	41.819	ug/l	99
69) o-Xylene	12.032	106	53567	20.869	ug/l	99
70) Styrene	12.044	104	90931	20.888	ug/l	100
71) Bromoform	12.209	173	20109	21.107	ug/l #	100
73) Isopropylbenzene	12.331	105	148182	20.262	ug/l	98
74) N-amyl acetate	12.142	43	24762	18.704	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	22604	19.115	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	19855m	19.660	ug/l	
77) Bromobenzene	12.605	156	36199	20.421	ug/l	96
78) n-propylbenzene	12.672	91	167936	19.950	ug/l	99
79) 2-Chlorotoluene	12.758	91	96328	20.158	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	128636	20.432	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8342	18.627	ug/l	97
82) 4-Chlorotoluene	12.855	91	101576	20.264	ug/l	100
83) tert-Butylbenzene	13.075	119	113755	20.605	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	128138	20.685	ug/l	100
85) sec-Butylbenzene	13.251	105	161159	20.405	ug/l	98
86) p-Isopropyltoluene	13.367	119	143169	20.895	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	73006	20.700	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	72901	20.635	ug/l	99
89) n-Butylbenzene	13.696	91	120720	20.615	ug/l	99
90) Hexachloroethane	13.959	117	25571	20.332	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	64954	20.472	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4517	19.195	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	40459	20.580	ug/l	99
94) Hexachlorobutadiene	15.111	225	26355	21.580	ug/l	99
95) Naphthalene	15.239	128	76977	20.397	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	35459	20.837	ug/l	99

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

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