

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061424\
 Data File : VY018588.D
 Acq On : 14 Jun 2024 12:25
 Operator : SY/MD
 Sample : VY0614SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0614SBS02

Quant Time: Jun 14 23:21:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	2623	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	2296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	2640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2823	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	86797	3286.753	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 6573.500%#	
35) Dibromofluoromethane	7.704	113	88421	6313.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 12626.140%#	
50) Toluene-d8	10.173	98	346711	6437.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 12874.020%#	
62) 4-Bromofluorobenzene	12.477	95	108618	6386.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 12772.460%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	22551	1305.353	ug/l	98
3) Chloromethane	2.101	50	40761	1145.593	ug/l	98
4) Vinyl Chloride	2.241	62	53861	1222.362	ug/l	98
5) Bromomethane	2.631	94	36160	1104.075	ug/l	99
6) Chloroethane	2.784	64	35512	1230.281	ug/l	98
7) Trichlorofluoromethane	3.101	101	60957	1284.671	ug/l	97
8) Diethyl Ether	3.515	74	15493	1145.146	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.881	101	32682	1318.249	ug/l	98
10) Methyl Iodide	4.070	142	30232	995.237	ug/l	94
11) Tert butyl alcohol	4.930	59	22059	4643.856	ug/l	# 97
12) 1,1-Dichloroethene	3.857	96	30035	1205.515	ug/l	92
13) Acrolein	3.710	56	7193	4710.089	ug/l	97
14) Allyl chloride	4.460	41	38821	1155.785	ug/l	95
15) Acrylonitrile	5.149	53	36611	6082.928	ug/l	98
16) Acetone	3.930	43	31783	5915.555	ug/l	# 84
17) Carbon Disulfide	4.180	76	70982	899.935	ug/l	99
18) Methyl Acetate	4.460	43	16092	1180.811	ug/l	97
19) Methyl tert-butyl Ether	5.204	73	80596	1212.689	ug/l	95
20) Methylene Chloride	4.692	84	43987	1607.529	ug/l	99
21) trans-1,2-Dichloroethene	5.198	96	33274	1173.193	ug/l	94
22) Diisopropyl ether	6.106	45	93777	1236.720	ug/l	93
23) Vinyl Acetate	6.045	43	285482	Below Cal		99
24) 1,1-Dichloroethane	5.997	63	59949	1227.174	ug/l	99
25) 2-Butanone	6.972	43	48202	5985.181	ug/l	94
26) 2,2-Dichloropropane	6.966	77	48779	1185.171	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	40520	1182.798	ug/l	96
28) Bromochloromethane	7.320	49	24357	1216.466	ug/l	96
29) Tetrahydrofuran	7.344	42	29853	6040.290	ug/l	95
30) Chloroform	7.490	83	63622	1195.033	ug/l	97
31) Cyclohexane	7.771	56	46122	1140.160	ug/l	98
32) 1,1,1-Trichloroethane	7.691	97	55796	1233.639	ug/l	97
36) 1,1-Dichloropropene	7.905	75	44666	2316.851	ug/l	97
37) Ethyl Acetate	7.064	43	21170	2329.440	ug/l	97
38) Carbon Tetrachloride	7.893	117	49227	2433.858	ug/l	97
39) Methylcyclohexane	9.179	83	55641	2355.466	ug/l	98
40) Benzene	8.149	78	138270	2319.076	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	28050	6136.738	ug/l #	25
42) 1,2-Dichloroethane	8.228	62	36286	2332.777	ug/l	97
43) Isopropyl Acetate	8.265	43	39653	2337.685	ug/l #	80
44) Trichloroethene	8.929	130	35807	2293.867	ug/l	95
45) 1,2-Dichloropropane	9.209	63	32412	2377.408	ug/l	99
46) Dibromomethane	9.295	93	18872	2230.917	ug/l	95
47) Bromodichloromethane	9.490	83	47118	2333.723	ug/l	94
48) Methyl methacrylate	9.283	41	17765	2326.367	ug/l	94
49) 1,4-Dioxane	9.289	88	4743	42631.938	ug/l #	97
51) 4-Methyl-2-Pentanone	10.063	43	106798	11952.990	ug/l	97
52) Toluene	10.240	92	89725	2343.909	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	39653	2247.403	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	48778	2290.887	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	26291	2336.672	ug/l	97
56) Ethyl methacrylate	10.508	69	34675	2355.106	ug/l #	91
57) 1,3-Dichloropropane	10.782	76	44619	2387.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	85584	12040.879	ug/l	100
59) 2-Hexanone	10.825	43	76252	12183.676	ug/l	93
60) Dibromochloromethane	10.977	129	30626	2191.178	ug/l	96
61) 1,2-Dibromoethane	11.081	107	24353	2341.989	ug/l	97
64) Tetrachloroethene	10.715	164	34480	1831.159	ug/l	96
65) Chlorobenzene	11.514	112	96165	1763.305	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	31826	1741.414	ug/l	98
67) Ethyl Benzene	11.587	91	167212	1767.034	ug/l	96
68) m/p-Xylenes	11.697	106	130151	3534.633	ug/l	98
69) o-Xylene	12.026	106	63486	1792.943	ug/l	97
70) Styrene	12.038	104	107059	1830.189	ug/l	99
71) Bromoform	12.203	173	16595	1654.828	ug/l #	97
73) Isopropylbenzene	12.325	105	167176	810.967	ug/l	100
74) N-amyl acetate	12.142	43	34501	817.313	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	29894	816.711	ug/l	99
76) 1,2,3-Trichloropropane	12.623	75	35437	1338.207	ug/l #	100
77) Bromobenzene	12.605	156	37678	790.335	ug/l	99
78) n-propylbenzene	12.666	91	198865	824.307	ug/l	100
79) 2-Chlorotoluene	12.752	91	109783	806.145	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	131655	805.830	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	8135	804.677	ug/l	89
82) 4-Chlorotoluene	12.849	91	111477	812.896	ug/l	99
83) tert-Butylbenzene	13.069	119	121224	801.692	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	130311	798.009	ug/l	99
85) sec-Butylbenzene	13.251	105	179797	833.700	ug/l	100
86) p-Isopropyltoluene	13.367	119	147548	807.004	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	75378	783.904	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	72356	766.817	ug/l	99
89) n-Butylbenzene	13.690	91	137153	832.260	ug/l	99
90) Hexachloroethane	13.959	117	25786	776.366	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	65599	798.602	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	4035	761.297	ug/l	86
93) 1,2,4-Trichlorobenzene	15.001	180	33025	721.648	ug/l	97
94) Hexachlorobutadiene	15.111	225	18471	785.546	ug/l	98
95) Naphthalene	15.233	128	62169	726.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	29197	755.098	ug/l	98

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

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