

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061924\
 Data File : VY018638.D
 Acq On : 19 Jun 2024 11:54
 Operator : SY/MD
 Sample : VY0619SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS01

Quant Time: Jun 20 02:08:20 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	7.777	168	139428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	238589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	209240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	71771	51.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.260%	
35) Dibromofluoromethane	7.704	113	75605	51.947	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.900%	
50) Toluene-d8	10.173	98	297736	53.195	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.380%	
62) 4-Bromofluorobenzene	12.477	95	93217	52.742	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	18449	20.090	ug/l	96
3) Chloromethane	2.101	50	35408	18.721	ug/l	98
4) Vinyl Chloride	2.235	62	42114	17.980	ug/l	98
5) Bromomethane	2.625	94	33779	19.403	ug/l	98
6) Chloroethane	2.772	64	27979	18.235	ug/l	95
7) Trichlorofluoromethane	3.095	101	58055	23.017	ug/l	94
8) Diethyl Ether	3.509	74	14367	19.977	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.869	101	29793	22.607	ug/l	99
10) Methyl Iodide	4.070	142	23883	15.474	ug/l	99
11) Tert butyl alcohol	4.936	59	10575	41.881	ug/l #	95
12) 1,1-Dichloroethene	3.851	96	25650	19.368	ug/l	97
13) Acrolein	3.711	56	6710	82.659	ug/l	99
14) Allyl chloride	4.454	41	35732	20.013	ug/l	96
15) Acrylonitrile	5.143	53	31728	99.173	ug/l	98
16) Acetone	3.930	43	26559	92.995	ug/l	99
17) Carbon Disulfide	4.174	76	53101	14.853	ug/l	100
18) Methyl Acetate	4.460	43	13623	18.806	ug/l	98
19) Methyl tert-butyl Ether	5.198	73	69737	19.740	ug/l	98
20) Methylene Chloride	4.692	84	39859	16.674	ug/l	95
21) trans-1,2-Dichloroethene	5.198	96	28219	18.718	ug/l	99
22) Diisopropyl ether	6.106	45	85174	21.132	ug/l	98
23) Vinyl Acetate	6.039	43	254542	80.309	ug/l	95
24) 1,1-Dichloroethane	5.997	63	53051	20.430	ug/l	98
25) 2-Butanone	6.972	43	42728	99.810	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	42160	19.271	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	35936	19.734	ug/l	100
28) Bromochloromethane	7.314	49	19967	18.760	ug/l	100
29) Tetrahydrofuran	7.338	42	26414	100.543	ug/l	95
30) Chloroform	7.490	83	56633	20.012	ug/l	96
31) Cyclohexane	7.771	56	42383	19.710	ug/l	95
32) 1,1,1-Trichloroethane	7.692	97	49152	20.444	ug/l	99
36) 1,1-Dichloropropene	7.911	75	38205	19.071	ug/l	99
37) Ethyl Acetate	7.064	43	18940	20.055	ug/l	96
38) Carbon Tetrachloride	7.887	117	41341	19.670	ug/l	95
39) Methylcyclohexane	9.173	83	48159	19.619	ug/l	95
40) Benzene	8.149	78	122191	19.722	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	10966	23.087	ug/l	88
42) 1,2-Dichloroethane	8.228	62	32545	20.134	ug/l	97
43) Isopropyl Acetate	8.265	43	34851	19.772	ug/l	95
44) Trichloroethene	8.929	130	31962	19.704	ug/l	94
45) 1,2-Dichloropropane	9.203	63	28695	20.255	ug/l	100
46) Dibromomethane	9.295	93	17288	19.667	ug/l	94
47) Bromodichloromethane	9.490	83	42763	20.382	ug/l	99
48) Methyl methacrylate	9.283	41	16398	20.665	ug/l	92
49) 1,4-Dioxane	9.289	88	4008	346.682	ug/l #	91
51) 4-Methyl-2-Pentanone	10.063	43	95297	102.639	ug/l	95
52) Toluene	10.234	92	80241	20.172	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	36479	19.896	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	42374	19.151	ug/l #	93
55) 1,1,2-Trichloroethane	10.636	97	23665	20.240	ug/l	98
56) Ethyl methacrylate	10.502	69	30024	19.624	ug/l #	87
57) 1,3-Dichloropropane	10.782	76	39190	20.178	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	71142	96.319	ug/l	100
59) 2-Hexanone	10.825	43	66140	101.698	ug/l	96
60) Dibromochloromethane	10.978	129	30227	20.812	ug/l	96
61) 1,2-Dibromoethane	11.081	107	21583	19.974	ug/l	99
64) Tetrachloroethene	10.715	164	31309	20.979	ug/l	98
65) Chlorobenzene	11.508	112	92091	21.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.581	131	29467	20.343	ug/l	99
67) Ethyl Benzene	11.587	91	154867	20.649	ug/l	97
68) m/p-Xylenes	11.697	106	122228	41.882	ug/l	97
69) o-Xylene	12.026	106	58023	20.675	ug/l	96
70) Styrene	12.038	104	96376	20.787	ug/l	99
71) Bromoform	12.203	173	15822	19.907	ug/l #	99
73) Isopropylbenzene	12.325	105	150958	20.218	ug/l	99
74) N-amyl acetate	12.136	43	33288	21.772	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	27327	20.612	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	16708m	17.420	ug/l	
77) Bromobenzene	12.599	156	34223	19.819	ug/l	99
78) n-propylbenzene	12.666	91	182215	20.853	ug/l	99
79) 2-Chlorotoluene	12.752	91	100361	20.347	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	121238	20.488	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	7696	21.017	ug/l	95
82) 4-Chlorotoluene	12.849	91	104837	21.106	ug/l	98
83) tert-Butylbenzene	13.069	119	111045	20.275	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	119131	20.142	ug/l	98
85) sec-Butylbenzene	13.245	105	169848	21.744	ug/l	100
86) p-Isopropyltoluene	13.361	119	136081	20.549	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	71595	20.556	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	69862	20.441	ug/l	98
89) n-Butylbenzene	13.690	91	132061	22.125	ug/l	100
90) Hexachloroethane	13.953	117	25681	21.347	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	63621	21.384	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	3840	20.003	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	37639	22.707	ug/l	98
94) Hexachlorobutadiene	15.105	225	20042	23.533	ug/l	98
95) Naphthalene	15.233	128	67402	21.760	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	31885	22.767	ug/l	97

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

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