

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062124\
 Data File : VY018661.D
 Acq On : 21 Jun 2024 10:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 21 22:56:10 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	7.776	168	144697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	233498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	207257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	105655	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	76793	52.714	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.420%	
35) Dibromofluoromethane	7.709	113	83173	58.392	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.780%	
50) Toluene-d8	10.172	98	317889	58.034	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.060%	
62) 4-Bromofluorobenzene	12.477	95	103692	59.948	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.900%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.899	85	44447	46.638	ug/l	98
3) Chloromethane	2.101	50	80737	41.134	ug/l	97
4) Vinyl Chloride	2.241	62	105761	43.510	ug/l	99
5) Bromomethane	2.637	94	71989	39.845	ug/l	97
6) Chloroethane	2.777	64	68625	43.097	ug/l	97
7) Trichlorofluoromethane	3.107	101	124328	47.498	ug/l	96
8) Diethyl Ether	3.515	74	34663	46.444	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.881	101	68897	50.376	ug/l	99
10) Methyl Iodide	4.070	142	75987	46.008	ug/l	97
11) Tert butyl alcohol	4.942	59	22865	87.258	ug/l #	82
12) 1,1-Dichloroethene	3.850	96	65028	47.313	ug/l	95
13) Acrolein	3.710	56	20619	244.752	ug/l	98
14) Allyl chloride	4.460	41	81318	43.887	ug/l	98
15) Acrylonitrile	5.137	53	73554	221.537	ug/l	98
16) Acetone	3.930	43	69923	235.917	ug/l	94
17) Carbon Disulfide	4.173	76	173703	42.042	ug/l	99
18) Methyl Acetate	4.460	43	32971	43.857	ug/l	98
19) Methyl tert-butyl Ether	5.198	73	161857	44.148	ug/l	92
20) Methylene Chloride	4.692	84	77518	40.787	ug/l	97
21) trans-1,2-Dichloroethene	5.198	96	71672	45.809	ug/l	98
22) Diisopropyl ether	6.106	45	190008	45.424	ug/l	96
23) Vinyl Acetate	6.039	43	750662	194.099	ug/l	100
24) 1,1-Dichloroethane	5.996	63	118955	44.141	ug/l	100
25) 2-Butanone	6.972	43	98211	221.060	ug/l	96
26) 2,2-Dichloropropane	6.966	77	99867	43.985	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	86784	45.922	ug/l	98
28) Bromochloromethane	7.319	49	48335	43.760	ug/l	99
29) Tetrahydrofuran	7.338	42	59008	216.431	ug/l	96
30) Chloroform	7.490	83	131295	44.705	ug/l	97
31) Cyclohexane	7.770	56	98855	44.299	ug/l	98
32) 1,1,1-Trichloroethane	7.691	97	116486	46.687	ug/l	99
36) 1,1-Dichloropropene	7.904	75	92999	47.434	ug/l	99
37) Ethyl Acetate	7.063	43	41066	44.433	ug/l	97
38) Carbon Tetrachloride	7.892	117	104439	50.774	ug/l	98
39) Methylcyclohexane	9.173	83	125318	52.166	ug/l	98
40) Benzene	8.148	78	285633	47.107	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	21336m	45.899	ug/l	
42) 1,2-Dichloroethane	8.221	62	73334	46.358	ug/l	98
43) Isopropyl Acetate	8.264	43	77152	44.725	ug/l	99
44) Trichloroethene	8.929	130	78073	49.180	ug/l	99
45) 1,2-Dichloropropane	9.209	63	64544	46.552	ug/l	100
46) Dibromomethane	9.301	93	40345	46.897	ug/l	98
47) Bromodichloromethane	9.490	83	100483	48.938	ug/l	98
48) Methyl methacrylate	9.288	41	36313	46.759	ug/l	95
49) 1,4-Dioxane	9.288	88	10484	926.611	ug/l #	94
51) 4-Methyl-2-Pentanone	10.063	43	212042	233.359	ug/l	98
52) Toluene	10.239	92	187127	48.068	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	89457	49.855	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	104791	48.394	ug/l	97
55) 1,1,2-Trichloroethane	10.636	97	54684	47.790	ug/l	94
56) Ethyl methacrylate	10.502	69	73390	49.014	ug/l	96
57) 1,3-Dichloropropane	10.782	76	91063	47.908	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	185823	257.071	ug/l	96
59) 2-Hexanone	10.825	43	152365	239.387	ug/l	98
60) Dibromochloromethane	10.977	129	72011	50.661	ug/l	98
61) 1,2-Dibromoethane	11.087	107	52205	49.367	ug/l	100
64) Tetrachloroethene	10.715	164	76705	51.889	ug/l	97
65) Chlorobenzene	11.514	112	212340	49.595	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	71913	50.121	ug/l	98
67) Ethyl Benzene	11.587	91	367362	49.450	ug/l	97
68) m/p-Xylenes	11.696	106	291220	100.743	ug/l	99
69) o-Xylene	12.026	106	139238	50.089	ug/l	97
70) Styrene	12.038	104	234901	51.151	ug/l	99
71) Bromoform	12.202	173	40805	51.830	ug/l #	98
73) Isopropylbenzene	12.324	105	362175	46.943	ug/l	99
74) N-amyl acetate	12.142	43	73024	46.221	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.574	83	61064	44.575	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	47279m	47.704	ug/l	
77) Bromobenzene	12.605	156	85802	48.089	ug/l	94
78) n-propylbenzene	12.666	91	431750	47.817	ug/l	98
79) 2-Chlorotoluene	12.751	91	235042	46.115	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	291903	47.738	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	18958	50.105	ug/l	94
82) 4-Chlorotoluene	12.849	91	241753	47.102	ug/l	95
83) tert-Butylbenzene	13.068	119	280117	49.497	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	291184	47.645	ug/l	98
85) sec-Butylbenzene	13.251	105	399106	49.447	ug/l	98
86) p-Isopropyltoluene	13.367	119	340294	49.730	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	174827	48.579	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	171854	48.663	ug/l	99
89) n-Butylbenzene	13.690	91	307757	49.898	ug/l	99
90) Hexachloroethane	13.958	117	64816	52.142	ug/l	97
91) 1,2-Dichlorobenzene	13.733	146	149969	48.782	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9107	45.910	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	90917	53.082	ug/l	98
94) Hexachlorobutadiene	15.111	225	49842	56.637	ug/l	99
95) Naphthalene	15.232	128	169521	52.964	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	77794	53.757	ug/l	99

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

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