

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062124\
 Data File : VY018669.D
 Acq On : 21 Jun 2024 15:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 21 23:00:52 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	124513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	209000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	190986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	98488	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	70036	55.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.740%	
35) Dibromofluoromethane	7.704	113	75354	59.104	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.200%	
50) Toluene-d8	10.173	98	280256	57.161	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.320%	
62) 4-Bromofluorobenzene	12.477	95	92670	59.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.720%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	30678	37.409	ug/l	98
3) Chloromethane	2.101	50	79133	46.852	ug/l	95
4) Vinyl Chloride	2.235	62	93444	44.675	ug/l	97
5) Bromomethane	2.631	94	65572	42.177	ug/l	99
6) Chloroethane	2.778	64	58557	42.736	ug/l	100
7) Trichlorofluoromethane	3.095	101	111855	49.660	ug/l	99
8) Diethyl Ether	3.509	74	30749	47.878	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.875	101	54572	46.371	ug/l	96
10) Methyl Iodide	4.064	142	61360	43.217	ug/l	98
11) Tert butyl alcohol	4.948	59	19246	85.353	ug/l #	80
12) 1,1-Dichloroethene	3.851	96	51439	43.493	ug/l	97
13) Acrolein	3.710	56	15788	217.786	ug/l	93
14) Allyl chloride	4.454	41	71349	44.749	ug/l	96
15) Acrylonitrile	5.137	53	61705	215.976	ug/l	96
16) Acetone	3.930	43	45261	177.463	ug/l #	84
17) Carbon Disulfide	4.168	76	140562	39.668	ug/l	99
18) Methyl Acetate	4.454	43	31085	48.051	ug/l	98
19) Methyl tert-butyl Ether	5.192	73	138836	44.007	ug/l	96
20) Methylene Chloride	4.692	84	72121	44.986	ug/l	97
21) trans-1,2-Dichloroethene	5.192	96	60394	44.858	ug/l	96
22) Diisopropyl ether	6.094	45	166394	46.227	ug/l	92
23) Vinyl Acetate	6.039	43	651768	195.785	ug/l	99
24) 1,1-Dichloroethane	5.997	63	103960	44.831	ug/l	97
25) 2-Butanone	6.966	43	76937	201.248	ug/l	92
26) 2,2-Dichloropropane	6.966	77	71543	36.618	ug/l	97
27) cis-1,2-Dichloroethene	6.960	96	73837	45.404	ug/l	98
28) Bromochloromethane	7.307	49	43106	45.352	ug/l	98
29) Tetrahydrofuran	7.332	42	51330	218.789	ug/l	97
30) Chloroform	7.490	83	115195	45.582	ug/l	99
31) Cyclohexane	7.771	56	81736	42.565	ug/l	94
32) 1,1,1-Trichloroethane	7.685	97	97113	45.232	ug/l	98
36) 1,1-Dichloropropene	7.905	75	78186	44.553	ug/l	100
37) Ethyl Acetate	7.057	43	36383	43.980	ug/l	97
38) Carbon Tetrachloride	7.886	117	84741	46.027	ug/l	97
39) Methylcyclohexane	9.173	83	101804	47.345	ug/l	99
40) Benzene	8.142	78	251289	46.301	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.289	41	20312m	48.818	ug/l	
42) 1,2-Dichloroethane	8.222	62	64462	45.526	ug/l	98
43) Isopropyl Acetate	8.258	43	68682	44.481	ug/l	97
44) Trichloroethene	8.929	130	65712	46.246	ug/l	98
45) 1,2-Dichloropropane	9.203	63	58271	46.954	ug/l	97
46) Dibromomethane	9.295	93	35099	45.581	ug/l	98
47) Bromodichloromethane	9.484	83	87185	47.438	ug/l	98
48) Methyl methacrylate	9.283	41	30395	43.726	ug/l	94
49) 1,4-Dioxane	9.289	88	8648	853.932	ug/l #	99
51) 4-Methyl-2-Pentanone	10.063	43	182011	223.788	ug/l	98
52) Toluene	10.234	92	164689	47.263	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	74486	46.377	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	89703	46.282	ug/l	94
55) 1,1,2-Trichloroethane	10.636	97	47446	46.325	ug/l	94
56) Ethyl methacrylate	10.502	69	64773	48.330	ug/l	95
57) 1,3-Dichloropropane	10.782	76	79772	46.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	151906	234.783	ug/l	98
59) 2-Hexanone	10.825	43	123104	216.085	ug/l	97
60) Dibromochloromethane	10.977	129	61688	48.486	ug/l	99
61) 1,2-Dibromoethane	11.081	107	44616	47.136	ug/l	96
64) Tetrachloroethene	10.709	164	66126	48.544	ug/l	96
65) Chlorobenzene	11.508	112	184816	46.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	61813	46.752	ug/l	99
67) Ethyl Benzene	11.587	91	316919	46.294	ug/l	96
68) m/p-Xylenes	11.697	106	250254	93.946	ug/l	99
69) o-Xylene	12.026	106	119723	46.738	ug/l	98
70) Styrene	12.038	104	204945	48.430	ug/l	99
71) Bromoform	12.203	173	36078	49.730	ug/l #	98
73) Isopropylbenzene	12.325	105	309111	42.981	ug/l	99
74) N-amyl acetate	12.142	43	65797	44.678	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.575	83	56022	43.870	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	40068m	43.370	ug/l	
77) Bromobenzene	12.605	156	73815	44.381	ug/l	96
78) n-propylbenzene	12.666	91	370569	44.028	ug/l	98
79) 2-Chlorotoluene	12.751	91	204790	43.104	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	251564	44.135	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	14829	42.044	ug/l	88
82) 4-Chlorotoluene	12.849	91	207449	43.360	ug/l	96
83) tert-Butylbenzene	13.068	119	227063	43.042	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	254628	44.695	ug/l	100
85) sec-Butylbenzene	13.251	105	339980	45.186	ug/l	99
86) p-Isopropyltoluene	13.367	119	289263	45.348	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	149776	44.647	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	147001	44.654	ug/l	99
89) n-Butylbenzene	13.690	91	262249	45.614	ug/l	99
90) Hexachloroethane	13.952	117	55254	47.684	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	134273	46.854	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	8014	43.340	ug/l	98
93) 1,2,4-Trichlorobenzene	15.001	180	78064	48.895	ug/l	99
94) Hexachlorobutadiene	15.105	225	40670	49.577	ug/l	98
95) Naphthalene	15.233	128	145566	48.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	68050	50.445	ug/l	100

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

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