

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022425\
 Data File : VY021305.D
 Acq On : 24 Feb 2025 16:59
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 25 01:25:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022425S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 25 01:17:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	151073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	232353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	207137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	103625	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	250308	155.833	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 311.660%#	
35) Dibromofluoromethane	7.634	113	232071	156.278	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 312.560%#	
50) Toluene-d8	10.103	98	892260	164.023	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 328.040%#	
62) 4-Bromofluorobenzene	12.408	95	299340	159.336	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 318.680%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.861	85	113523	111.484	ug/l	97
3) Chloromethane	2.068	50	163190	135.491	ug/l	99
4) Vinyl Chloride	2.202	62	173701	129.947	ug/l	99
5) Bromomethane	2.586	94	111085	121.856	ug/l	99
6) Chloroethane	2.733	64	112832	123.757	ug/l	100
7) Trichlorofluoromethane	3.056	101	260305	116.959	ug/l	98
8) Diethyl Ether	3.452	74	81737	118.798	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	149530	111.671	ug/l	99
10) Methyl Iodide	4.001	142	174900	138.811	ug/l	99
11) Tert butyl alcohol	4.866	59	57512	426.201	ug/l	99
12) 1,1-Dichloroethene	3.787	96	145621	128.295	ug/l	98
13) Acrolein	3.653	56	35059	667.719	ug/l	97
14) Allyl chloride	4.385	41	266553	126.957	ug/l	99
15) Acrylonitrile	5.055	53	181793	553.312	ug/l	99
16) Acetone	3.867	43	146871	488.522	ug/l	96
17) Carbon Disulfide	4.104	76	444635	167.503	ug/l	100
18) Methyl Acetate	4.385	43	107755	119.059	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	408996	113.683	ug/l	100
20) Methylene Chloride	4.616	84	160411	109.279	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	163442	131.525	ug/l	97
22) Diisopropyl ether	6.019	45	570719	115.148	ug/l	99
23) Vinyl Acetate	5.958	43	1658705	600.034	ug/l	100
24) 1,1-Dichloroethane	5.915	63	313135	115.720	ug/l	99
25) 2-Butanone	6.890	43	246254	534.011	ug/l	96
26) 2,2-Dichloropropane	6.884	77	279934	110.770	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196789	121.281	ug/l	99
28) Bromochloromethane	7.244	49	206992	169.292	ug/l	100
29) Tetrahydrofuran	7.256	42	166926	580.795	ug/l	99
30) Chloroform	7.421	83	321381	112.734	ug/l	96
31) Cyclohexane	7.701	56	263722	126.368	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	292572	114.980	ug/l	99
36) 1,1-Dichloropropene	7.835	75	230646	128.433	ug/l	100
37) Ethyl Acetate	6.982	43	115143	114.112	ug/l	99
38) Carbon Tetrachloride	7.817	117	263592	118.683	ug/l	98
39) Methylcyclohexane	9.110	83	288877	139.000	ug/l	99
40) Benzene	8.079	78	692428	124.105	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	62084	115.590	ug/l	96
42) 1,2-Dichloroethane	8.159	62	200320	117.569	ug/l	99
43) Isopropyl Acetate	8.195	43	234824	115.561	ug/l #	88
44) Trichloroethene	8.866	130	172350	123.537	ug/l	99
45) 1,2-Dichloropropane	9.140	63	167424	115.109	ug/l	97
46) Dibromomethane	9.231	93	93725	117.787	ug/l	99
47) Bromodichloromethane	9.420	83	251351	113.580	ug/l	100
48) Methyl methacrylate	9.219	41	116239	125.882	ug/l	97
49) 1,4-Dioxane	9.225	88	20402	2252.939	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	613362	567.849	ug/l	99
52) Toluene	10.170	92	442294	124.281	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	237505	119.360	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	271555	120.208	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	119821	108.377	ug/l	97
56) Ethyl methacrylate	10.439	69	183076	126.773	ug/l	99
57) 1,3-Dichloropropane	10.719	76	213688	114.126	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	653192	902.659	ug/l	100
59) 2-Hexanone	10.762	43	414172	584.962	ug/l	98
60) Dibromochloromethane	10.908	129	168163	111.464	ug/l	100
61) 1,2-Dibromoethane	11.012	107	113442	115.162	ug/l	98
64) Tetrachloroethene	10.646	164	158135	122.608	ug/l	96
65) Chlorobenzene	11.445	112	480116	116.881	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	170140	110.622	ug/l	99
67) Ethyl Benzene	11.518	91	881202	122.384	ug/l	100
68) m/p-Xylenes	11.627	106	652411	244.340	ug/l	100
69) o-Xylene	11.957	106	309858	120.642	ug/l	99
70) Styrene	11.969	104	522552	119.952	ug/l	99
71) Bromoform	12.133	173	97802	109.062	ug/l #	100
73) Isopropylbenzene	12.255	105	821910	117.421	ug/l	100
74) N-amyl acetate	12.072	43	225126	121.726	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	139836	106.073	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	101033m	105.299	ug/l	
77) Bromobenzene	12.530	156	189592	114.186	ug/l	98
78) n-propylbenzene	12.597	91	995982	117.128	ug/l	100
79) 2-Chlorotoluene	12.682	91	559467	114.372	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	668698	116.131	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	50227	113.859	ug/l	98
82) 4-Chlorotoluene	12.780	91	580471	114.095	ug/l	100
83) tert-Butylbenzene	12.999	119	611985	114.228	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	672510	115.907	ug/l	99
85) sec-Butylbenzene	13.176	105	881556	114.138	ug/l	99
86) p-Isopropyltoluene	13.292	119	747358	115.632	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	371724	109.946	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	361543	108.415	ug/l	99
89) n-Butylbenzene	13.621	91	707681	114.835	ug/l	100
90) Hexachloroethane	13.883	117	153580	110.828	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	325895	109.283	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	23555	109.028	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	214707	120.298	ug/l	99
94) Hexachlorobutadiene	15.023	225	125144	107.304	ug/l	98
95) Naphthalene	15.145	128	381489	128.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	182722	119.244	ug/l	100

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

