

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022425\
 Data File : VY021300.D
 Acq On : 24 Feb 2025 15:06
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 25 01:19:52 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	145276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	231277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	196998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	93953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	7372	4.773	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.540%#
35) Dibromofluoromethane	7.628	113	6923	4.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.360%#
50) Toluene-d8	10.109	98	23895	4.413	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	8.820%#
62) 4-Bromofluorobenzene	12.408	95	8587	4.592	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.180%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	5219	5.330	ug/l	86
3) Chloromethane	2.068	50	5447	8.486	ug/l	97
4) Vinyl Chloride	2.202	62	5661	4.404	ug/l	97
5) Bromomethane	2.598	94	4796	5.471	ug/l	95
6) Chloroethane	2.733	64	4206	4.797	ug/l	100
7) Trichlorofluoromethane	3.056	101	10991	5.135	ug/l	93
8) Diethyl Ether	3.458	74	3259	4.926	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	7200	5.592	ug/l	96
10) Methyl Iodide	4.007	142	4834	3.990	ug/l #	92
11) Tert butyl alcohol	4.854	59	4570	35.218	ug/l #	78
12) 1,1-Dichloroethene	3.787	96	4982	4.564	ug/l	87
13) Acrolein	3.653	56	2472	23.037	ug/l	91
14) Allyl chloride	4.385	41	9672	4.791	ug/l	96
15) Acrylonitrile	5.055	53	8070	25.542	ug/l	96
16) Acetone	3.867	43	9554	33.047	ug/l	91
17) Carbon Disulfide	4.098	76	7286	2.854	ug/l	97
18) Methyl Acetate	4.379	43	4338	4.984	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	17946	5.187	ug/l	99
20) Methylene Chloride	4.610	84	8393	5.946	ug/l	90
21) trans-1,2-Dichloroethene	5.110	96	5349	4.476	ug/l	94
22) Diisopropyl ether	6.019	45	23856	5.005	ug/l	98
23) Vinyl Acetate	5.964	43	64103	24.114	ug/l	100
24) 1,1-Dichloroethane	5.921	63	13962	5.366	ug/l	97
25) 2-Butanone	6.890	43	12871	29.025	ug/l #	89
26) 2,2-Dichloropropane	6.890	77	13472	5.544	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	7938	5.087	ug/l	95
28) Bromochloromethane	7.244	49	5800	4.933	ug/l #	94
29) Tetrahydrofuran	7.262	42	6977	25.244	ug/l	96
30) Chloroform	7.421	83	14323	5.225	ug/l	99
31) Cyclohexane	7.707	56	10870	5.416	ug/l #	75
32) 1,1,1-Trichloroethane	7.610	97	12827	5.242	ug/l	98
36) 1,1-Dichloropropene	7.835	75	8128	4.547	ug/l	98
37) Ethyl Acetate	6.988	43	5010	4.988	ug/l	96
38) Carbon Tetrachloride	7.817	117	10882	4.922	ug/l	93
39) Methylcyclohexane	9.109	83	8421	4.071	ug/l	93
40) Benzene	8.079	78	26319	4.739	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	2521	4.716	ug/l	90
42) 1,2-Dichloroethane	8.158	62	8566	5.051	ug/l	97
43) Isopropyl Acetate	8.201	43	10193	5.039	ug/l #	87
44) Trichloroethene	8.866	130	6720	4.839	ug/l	96
45) 1,2-Dichloropropane	9.140	63	7666	5.295	ug/l	90
46) Dibromomethane	9.238	93	3961	5.001	ug/l	95
47) Bromodichloromethane	9.420	83	11441	5.194	ug/l	98
48) Methyl methacrylate	9.219	41	4043	4.399	ug/l	92
49) 1,4-Dioxane	9.225	88	878	97.406	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	26609	24.749	ug/l	100
52) Toluene	10.170	92	16266	4.592	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	9734	4.915	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	11160	4.963	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	5853	5.319	ug/l	91
56) Ethyl methacrylate	10.438	69	6141	4.272	ug/l	95
57) 1,3-Dichloropropane	10.719	76	9243	4.959	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.707	63	14874	20.650	ug/l	100
59) 2-Hexanone	10.762	43	16611	23.570	ug/l	99
60) Dibromochloromethane	10.914	129	7780	5.181	ug/l	98
61) 1,2-Dibromoethane	11.012	107	4930	5.028	ug/l	100
64) Tetrachloroethene	10.646	164	6185	5.042	ug/l	91
65) Chlorobenzene	11.444	112	20173	5.164	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	7699	5.263	ug/l	96
67) Ethyl Benzene	11.518	91	33131	4.838	ug/l	99
68) m/p-Xylenes	11.627	106	24251	9.550	ug/l	97
69) o-Xylene	11.957	106	11945	4.890	ug/l	94
70) Styrene	11.969	104	19378	4.677	ug/l	99
71) Bromoform	12.133	173	4402	5.161	ug/l #	99
73) Isopropylbenzene	12.255	105	32220	5.077	ug/l	99
74) N-amyl acetate	12.066	43	7724	4.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	6646	5.560	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	5153m	5.923	ug/l	
77) Bromobenzene	12.536	156	8198	5.446	ug/l	99
78) n-propylbenzene	12.597	91	39209	5.086	ug/l	98
79) 2-Chlorotoluene	12.682	91	23896	5.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	26779	5.129	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	2198	5.496	ug/l	99
82) 4-Chlorotoluene	12.780	91	24841	5.385	ug/l	100
83) tert-Butylbenzene	12.999	119	24982	5.143	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	26192	4.979	ug/l	99
85) sec-Butylbenzene	13.176	105	36637	5.232	ug/l	99
86) p-Isopropyltoluene	13.292	119	29512	5.036	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	17213	5.615	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	17055	5.641	ug/l	94
89) n-Butylbenzene	13.621	91	29066	5.202	ug/l	97
90) Hexachloroethane	13.883	117	7030	5.595	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	15061	5.570	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1095	5.590	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	8059	4.980	ug/l	97
94) Hexachlorobutadiene	15.023	225	5872	5.553	ug/l	98
95) Naphthalene	15.145	128	11625	4.333	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	6868	4.943	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

