

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011425\
 Data File : VY020812.D
 Acq On : 14 Jan 2025 10:11
 Operator : SY/MD
 Sample : VY0114SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0114SBS01

Quant Time: Jan 15 03:54:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	210638	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	310522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	256389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	127661	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	88969	49.694	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.380%
35) Dibromofluoromethane	7.652	113	94238	48.442	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.880%
50) Toluene-d8	10.122	98	359448	53.003	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.000%
62) 4-Bromofluorobenzene	12.420	95	120108	47.960	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	95.920%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.879	85	29693	19.208	ug/l	95
3) Chloromethane	2.080	50	15343	18.850	ug/l	98
4) Vinyl Chloride	2.214	62	19122	21.133	ug/l	100
5) Bromomethane	2.617	94	11128	17.267	ug/l	100
6) Chloroethane	2.751	64	11847	21.230	ug/l	91
7) Trichlorofluoromethane	3.080	101	54477	19.617	ug/l	93
8) Diethyl Ether	3.470	74	16955	19.523	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.836	101	38499	20.529	ug/l	99
10) Methyl Iodide	4.031	142	38889	19.350	ug/l	97
11) Tert butyl alcohol	4.903	59	14444	106.768	ug/l #	83
12) 1,1-Dichloroethene	3.812	96	31948	19.449	ug/l	95
13) Acrolein	3.672	56	4571	120.316	ug/l	96
14) Allyl chloride	4.403	41	47836	20.186	ug/l	95
15) Acrylonitrile	5.092	53	38679	104.796	ug/l	99
16) Acetone	3.903	43	26569	104.359	ug/l	100
17) Carbon Disulfide	4.129	76	65101	18.269	ug/l	99
18) Methyl Acetate	4.409	43	18638	21.682	ug/l	97
19) Methyl tert-butyl Ether	5.141	73	90603	19.545	ug/l	99
20) Methylene Chloride	4.641	84	34344	19.533	ug/l	98
21) trans-1,2-Dichloroethene	5.141	96	34537	19.093	ug/l	95
22) Diisopropyl ether	6.043	45	108345	21.462	ug/l	98
23) Vinyl Acetate	5.982	43	293550	105.463	ug/l	96
24) 1,1-Dichloroethane	5.946	63	66698	20.026	ug/l	98
25) 2-Butanone	6.921	43	42951	102.702	ug/l	98
26) 2,2-Dichloropropane	6.909	77	66797	19.316	ug/l	99
27) cis-1,2-Dichloroethene	6.915	96	43794	19.189	ug/l	98
28) Bromochloromethane	7.268	49	16149	17.969	ug/l	93
29) Tetrahydrofuran	7.281	42	29015	108.608	ug/l	95
30) Chloroform	7.439	83	73727	19.411	ug/l	99
31) Cyclohexane	7.726	56	52138	20.013	ug/l	97
32) 1,1,1-Trichloroethane	7.640	97	70944	19.149	ug/l	99
36) 1,1-Dichloropropene	7.854	75	48414	19.511	ug/l	99
37) Ethyl Acetate	7.006	43	21995	22.275	ug/l	99
38) Carbon Tetrachloride	7.835	117	64637	18.713	ug/l	97
39) Methylcyclohexane	9.122	83	61019	20.040	ug/l	98
40) Benzene	8.098	78	150067	19.705	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	11476	20.293	ug/l	95
42) 1,2-Dichloroethane	8.171	62	40134	19.298	ug/l	98
43) Isopropyl Acetate	8.213	43	42359	21.091	ug/l	99
44) Trichloroethene	8.884	130	41391	19.497	ug/l	99
45) 1,2-Dichloropropane	9.158	63	35446	20.531	ug/l	96
46) Dibromomethane	9.244	93	19923	20.096	ug/l	97
47) Bromodichloromethane	9.439	83	56076	19.750	ug/l	99
48) Methyl methacrylate	9.238	41	18362	20.393	ug/l	98
49) 1,4-Dioxane	9.250	88	4476	425.231	ug/l #	95
51) 4-Methyl-2-Pentanone	10.012	43	109926	109.555	ug/l	99
52) Toluene	10.183	92	100179	19.865	ug/l	100
53) t-1,3-Dichloropropene	10.408	75	50156	19.861	ug/l	99
54) cis-1,3-Dichloropropene	9.872	75	58628	19.990	ug/l	96
55) 1,1,2-Trichloroethane	10.585	97	28978	20.460	ug/l	96
56) Ethyl methacrylate	10.451	69	35783	20.005	ug/l	96
57) 1,3-Dichloropropane	10.731	76	46353	20.078	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.725	63	64349	90.683	ug/l	99
59) 2-Hexanone	10.774	43	70594	109.666	ug/l	97
60) Dibromochloromethane	10.926	129	40645	19.787	ug/l	99
61) 1,2-Dibromoethane	11.030	107	26230	20.628	ug/l	97
64) Tetrachloroethene	10.658	164	37576	19.934	ug/l	99
65) Chlorobenzene	11.457	112	113000	19.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.530	131	41538	19.248	ug/l	96
67) Ethyl Benzene	11.530	91	194648	19.833	ug/l	97
68) m/p-Xylenes	11.640	106	146973	38.895	ug/l	99
69) o-Xylene	11.969	106	70238	19.604	ug/l	97
70) Styrene	11.981	104	118520	19.652	ug/l	99
71) Bromoform	12.146	173	24863	20.267	ug/l #	100
73) Isopropylbenzene	12.268	105	198332	19.583	ug/l	99
74) N-ethyl acetate	12.085	43	34502	20.827	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.517	83	32924	21.449	ug/l	97
76) 1,2,3-Trichloropropane	12.572	75	27800m	24.888	ug/l	
77) Bromobenzene	12.548	156	45308	19.404	ug/l	97
78) n-propylbenzene	12.609	91	229987	20.007	ug/l	99
79) 2-Chlorotoluene	12.694	91	129380	19.545	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	161883	19.724	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	11059	20.876	ug/l	98
82) 4-Chlorotoluene	12.792	91	133236	19.503	ug/l	99
83) tert-Butylbenzene	13.011	119	151823	19.778	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	155517	19.403	ug/l	100
85) sec-Butylbenzene	13.188	105	217704	20.304	ug/l	98
86) p-Isopropyltoluene	13.304	119	182602	19.963	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	89670	19.764	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	87191	19.523	ug/l	99
89) n-Butylbenzene	13.633	91	160012	20.164	ug/l	99
90) Hexachloroethane	13.895	117	36074	19.641	ug/l	99
91) 1,2-Dichlorobenzene	13.670	146	78109	19.690	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4675	18.836	ug/l	95
93) 1,2,4-Trichlorobenzene	14.938	180	45194	19.796	ug/l	98
94) Hexachlorobutadiene	15.035	225	32449	20.162	ug/l	99
95) Naphthalene	15.157	128	73017	19.433	ug/l	99
96) 1,2,3-Trichlorobenzene	15.346	180	37247	19.474	ug/l	100

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

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