

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021201.D
 Acq On : 14 Feb 2025 10:36
 Operator : SY/MD
 Sample : VY0214SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0214SBS01

Quant Time: Feb 14 22:16:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	125420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	194710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	169176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	85418	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	69004	53.698	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.400%	
35) Dibromofluoromethane	7.640	113	65550	52.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.060%	
50) Toluene-d8	10.109	98	246330	51.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.700%	
62) 4-Bromofluorobenzene	12.413	95	83369	53.717	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.440%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.866	85	17910	16.022	ug/l	99
3) Chloromethane	2.074	50	15914	14.427	ug/l	99
4) Vinyl Chloride	2.208	62	17107	15.408	ug/l	98
5) Bromomethane	2.598	94	10512	15.319	ug/l	99
6) Chloroethane	2.738	64	11241	17.008	ug/l	96
7) Trichlorofluoromethane	3.067	101	35575	17.588	ug/l	98
8) Diethyl Ether	3.464	74	12148	19.238	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.823	101	23803	18.750	ug/l	93
10) Methyl Iodide	4.006	142	21153	14.998	ug/l	90
11) Tert butyl alcohol	4.884	59	10430	119.774	ug/l	99
12) 1,1-Dichloroethene	3.799	96	19435	16.252	ug/l	89
13) Acrolein	3.665	56	10948	81.644	ug/l	100
14) Allyl chloride	4.390	41	37334	18.524	ug/l	95
15) Acrylonitrile	5.073	53	29348	111.613	ug/l	98
16) Acetone	3.878	43	22189	110.725	ug/l	92
17) Carbon Disulfide	4.116	76	37933	10.116	ug/l #	95
18) Methyl Acetate	4.403	43	14952	21.254	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	64859	21.458	ug/l	96
20) Methylene Chloride	4.628	84	23739	19.056	ug/l	95
21) trans-1,2-Dichloroethene	5.134	96	21991	16.706	ug/l	96
22) Diisopropyl ether	6.024	45	91293	21.976	ug/l	96
23) Vinyl Acetate	5.969	43	247083	106.693	ug/l	97
24) 1,1-Dichloroethane	5.927	63	47907	19.683	ug/l	94
25) 2-Butanone	6.908	43	38018	115.448	ug/l	94
26) 2,2-Dichloropropane	6.896	77	46047	20.447	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	29272	19.320	ug/l	92
28) Bromochloromethane	7.256	49	19297	20.050	ug/l	96
29) Tetrahydrofuran	7.268	42	24902	111.753	ug/l	92
30) Chloroform	7.426	83	53449	21.380	ug/l	98
31) Cyclohexane	7.707	56	34609	15.790	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	48494	20.864	ug/l	99
36) 1,1-Dichloropropene	7.841	75	32338	17.496	ug/l	99
37) Ethyl Acetate	6.994	43	17542	21.635	ug/l	99
38) Carbon Tetrachloride	7.823	117	43393	20.093	ug/l	96
39) Methylcyclohexane	9.115	83	35357	15.639	ug/l	94
40) Benzene	8.085	78	102858	18.964	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	10207	21.759	ug/l	97
42) 1,2-Dichloroethane	8.164	62	31687	21.060	ug/l	96
43) Isopropyl Acetate	8.201	43	36528	22.673	ug/l #	85
44) Trichloroethene	8.871	130	25674	18.321	ug/l	94
45) 1,2-Dichloropropane	9.146	63	26914	20.906	ug/l	98
46) Dibromomethane	9.237	93	14854	20.839	ug/l	96
47) Bromodichloromethane	9.426	83	41359	21.635	ug/l	97
48) Methyl methacrylate	9.225	41	16260	22.157	ug/l	90
49) 1,4-Dioxane	9.231	88	3139	473.054	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	96095	118.610	ug/l	95
52) Toluene	10.176	92	66222	19.444	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	37394	21.785	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	42603	20.962	ug/l #	91
55) 1,1,2-Trichloroethane	10.578	97	19895	21.554	ug/l	96
56) Ethyl methacrylate	10.444	69	26669	21.598	ug/l	88
57) 1,3-Dichloropropane	10.719	76	34739	21.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	58385	99.387	ug/l	99
59) 2-Hexanone	10.767	43	63472	121.678	ug/l	94
60) Dibromochloromethane	10.914	129	28505	21.990	ug/l	98
61) 1,2-Dibromoethane	11.017	107	18028	20.852	ug/l	99
64) Tetrachloroethene	10.652	164	22240	17.709	ug/l	96
65) Chlorobenzene	11.444	112	75165	19.954	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	28792	21.508	ug/l	97
67) Ethyl Benzene	11.523	91	132047	19.818	ug/l	100
68) m/p-Xylenes	11.633	106	99393	39.876	ug/l	97
69) o-Xylene	11.962	106	47135	20.283	ug/l	95
70) Styrene	11.974	104	80135	20.690	ug/l	97
71) Bromoform	12.139	173	16710	22.425	ug/l #	98
73) Isopropylbenzene	12.261	105	131307	19.679	ug/l	100
74) N-amyl acetate	12.072	43	32392	22.205	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	25013	22.540	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	18100m	23.359	ug/l	
77) Bromobenzene	12.535	156	30599	19.873	ug/l	95
78) n-propylbenzene	12.602	91	159807	20.106	ug/l	100
79) 2-Chlorotoluene	12.682	91	90604	19.903	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	108118	19.986	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	8401	22.123	ug/l	93
82) 4-Chlorotoluene	12.779	91	95450	20.579	ug/l	99
83) tert-Butylbenzene	13.005	119	101513	20.645	ug/l	97
84) 1,2,4-Trimethylbenzene	13.047	105	108537	20.519	ug/l	98
85) sec-Butylbenzene	13.182	105	142287	20.102	ug/l	97
86) p-Isopropyltoluene	13.297	119	120403	20.478	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	60940	20.497	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	60404	20.635	ug/l	96
89) n-Butylbenzene	13.620	91	111217	20.734	ug/l	98
90) Hexachloroethane	13.883	117	25501	20.790	ug/l	86
91) 1,2-Dichlorobenzene	13.663	146	54323	21.052	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3662	22.083	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	30515	21.245	ug/l	98
94) Hexachlorobutadiene	15.029	225	20003	21.015	ug/l	98
95) Naphthalene	15.151	128	51979	22.619	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	26165	21.889	ug/l	97

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

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