

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021646.D
 Acq On : 26 Mar 2025 14:58
 Operator : SY/MD
 Sample : VY0326SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0326SBS01

Quant Time: Mar 27 01:31:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	162712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	264080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	234899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	121610	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97377	56.622	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.240%	
35) Dibromofluoromethane	7.634	113	91783	52.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.760%	
50) Toluene-d8	10.103	98	325662	49.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.408	95	113297	50.677	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	26402	17.682	ug/l	98
3) Chloromethane	2.068	50	39383	18.708	ug/l	98
4) Vinyl Chloride	2.202	62	45706	19.868	ug/l	99
5) Bromomethane	2.592	94	35116	21.120	ug/l	97
6) Chloroethane	2.726	64	34181	22.483	ug/l	99
7) Trichlorofluoromethane	3.050	101	67641	21.066	ug/l	99
8) Diethyl Ether	3.452	74	20288	22.799	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.812	101	37867	20.655	ug/l	100
10) Methyl Iodide	4.001	142	35136	18.854	ug/l	99
11) Tert butyl alcohol	4.866	59	13279	105.757	ug/l	98
12) 1,1-Dichloroethene	3.781	96	32881	19.673	ug/l	96
13) Acrolein	3.647	56	7471	85.408	ug/l	91
14) Allyl chloride	4.379	41	53366	19.757	ug/l	96
15) Acrylonitrile	5.055	53	45115	119.099	ug/l	99
16) Acetone	3.867	43	35549	94.773	ug/l	91
17) Carbon Disulfide	4.104	76	79885	15.251	ug/l	97
18) Methyl Acetate	4.379	43	19748	23.728	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	96508	22.781	ug/l	96
20) Methylene Chloride	4.610	84	43299	21.991	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	36682	19.597	ug/l	93
22) Diisopropyl ether	6.012	45	130335	22.390	ug/l	98
23) Vinyl Acetate	5.958	43	368904	111.045	ug/l	99
24) 1,1-Dichloroethane	5.915	63	75054	21.846	ug/l	98
25) 2-Butanone	6.890	43	56791	109.451	ug/l	96
26) 2,2-Dichloropropane	6.884	77	46920	14.843	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	45724	21.502	ug/l	95
28) Bromochloromethane	7.244	49	31005	21.526	ug/l	95
29) Tetrahydrofuran	7.262	42	36756	114.746	ug/l	98
30) Chloroform	7.415	83	81780	22.924	ug/l	95
31) Cyclohexane	7.701	56	55864	17.344	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	69389	21.243	ug/l	99
36) 1,1-Dichloropropene	7.835	75	50223	18.484	ug/l	100
37) Ethyl Acetate	6.982	43	25744	21.437	ug/l	97
38) Carbon Tetrachloride	7.817	117	61163	19.573	ug/l	97
39) Methylcyclohexane	9.109	83	56018	16.808	ug/l	96
40) Benzene	8.079	78	162461	20.297	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	14390	22.006	ug/l #	94
42) 1,2-Dichloroethane	8.152	62	47888	21.386	ug/l	99
43) Isopropyl Acetate	8.195	43	52487	22.514	ug/l #	88
44) Trichloroethene	8.866	130	41109	20.325	ug/l	97
45) 1,2-Dichloropropane	9.140	63	40898	21.469	ug/l	99
46) Dibromomethane	9.231	93	23349	22.029	ug/l	99
47) Bromodichloromethane	9.420	83	62581	22.232	ug/l	98
48) Methyl methacrylate	9.219	41	21517	20.099	ug/l	92
49) 1,4-Dioxane	9.225	88	5282	507.704	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	139908	116.310	ug/l	98
52) Toluene	10.170	92	101158	20.046	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	50203	20.243	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	57905	19.666	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	31870	22.986	ug/l	95
56) Ethyl methacrylate	10.439	69	38289	21.653	ug/l	99
57) 1,3-Dichloropropane	10.713	76	52733	21.944	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	92581	113.417	ug/l	99
59) 2-Hexanone	10.762	43	88439	111.191	ug/l	100
60) Dibromochloromethane	10.908	129	43625	22.951	ug/l	97
61) 1,2-Dibromoethane	11.018	107	28832	22.033	ug/l	100
64) Tetrachloroethene	10.646	164	45422	23.780	ug/l	99
65) Chlorobenzene	11.444	112	113185	20.405	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	42295	21.566	ug/l	99
67) Ethyl Benzene	11.518	91	183765	18.874	ug/l	97
68) m/p-Xylenes	11.627	106	142650	38.592	ug/l	100
69) o-Xylene	11.957	106	68037	19.972	ug/l	98
70) Styrene	11.969	104	114652	20.287	ug/l	100
71) Bromoform	12.133	173	25662	23.408	ug/l #	99
73) Isopropylbenzene	12.255	105	180725	18.866	ug/l	99
74) N-amyl acetate	12.072	43	44312	21.299	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35533	21.020	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	26543m	21.660	ug/l	
77) Bromobenzene	12.530	156	45193	20.165	ug/l	98
78) n-propylbenzene	12.597	91	219861	18.898	ug/l	100
79) 2-Chlorotoluene	12.682	91	128758	19.355	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	151078	19.406	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	9710	18.013	ug/l	97
82) 4-Chlorotoluene	12.780	91	137519	19.963	ug/l	100
83) tert-Butylbenzene	12.999	119	134403	19.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	149400	19.329	ug/l	100
85) sec-Butylbenzene	13.176	105	201253	19.477	ug/l	100
86) p-Isopropyltoluene	13.292	119	161546	18.977	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	90479	20.282	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	89752	20.572	ug/l	99
89) n-Butylbenzene	13.621	91	149072	18.964	ug/l	99
90) Hexachloroethane	13.877	117	36753	20.238	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	81072	21.203	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5503	21.732	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	42391	20.298	ug/l	97
94) Hexachlorobutadiene	15.023	225	29579	22.595	ug/l	95
95) Naphthalene	15.145	128	72661	22.570	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38192	21.744	ug/l	98

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

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