

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021645.D
 Acq On : 26 Mar 2025 14:35
 Operator : SY/MD
 Sample : VY0326SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0326SBS01

Quant Time: Mar 27 01:31:32 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	172831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	273010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	243511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130367	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111615	61.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.200%	
35) Dibromofluoromethane	7.634	113	105746	58.927	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.860%	
50) Toluene-d8	10.109	98	379517	55.855	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.720%	
62) 4-Bromofluorobenzene	12.408	95	136446	59.035	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.080%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	25732	16.224	ug/l	97
3) Chloromethane	2.068	50	41311	18.475	ug/l	99
4) Vinyl Chloride	2.208	62	44199	18.088	ug/l	100
5) Bromomethane	2.592	94	35479	20.089	ug/l	97
6) Chloroethane	2.732	64	32144	19.906	ug/l	98
7) Trichlorofluoromethane	3.056	101	69173	20.281	ug/l	99
8) Diethyl Ether	3.458	74	19504	20.635	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.812	101	37909	19.468	ug/l	97
10) Methyl Iodide	4.007	142	32143	16.239	ug/l	99
11) Tert butyl alcohol	4.866	59	13230	97.661	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	31662	17.834	ug/l	95
13) Acrolein	3.653	56	7501	80.731	ug/l	100
14) Allyl chloride	4.385	41	53226	18.552	ug/l	99
15) Acrylonitrile	5.055	53	45626	113.396	ug/l	98
16) Acetone	3.872	43	35617	89.395	ug/l	93
17) Carbon Disulfide	4.104	76	78533	14.115	ug/l	99
18) Methyl Acetate	4.385	43	21358	24.160	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	92299	20.512	ug/l	96
20) Methylene Chloride	4.610	84	43304	20.706	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	35698	17.955	ug/l	94
22) Diisopropyl ether	6.018	45	126056	20.387	ug/l	97
23) Vinyl Acetate	5.964	43	356550	101.042	ug/l	99
24) 1,1-Dichloroethane	5.915	63	74049	20.292	ug/l	100
25) 2-Butanone	6.896	43	56108	101.803	ug/l	96
26) 2,2-Dichloropropane	6.884	77	55235	16.450	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	44407	19.660	ug/l	94
28) Bromochloromethane	7.244	49	34397	22.483	ug/l	99
29) Tetrahydrofuran	7.262	42	36927	108.530	ug/l	98
30) Chloroform	7.421	83	79855	21.073	ug/l	95
31) Cyclohexane	7.701	56	56162	16.416	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	69071	19.907	ug/l	98
36) 1,1-Dichloropropene	7.835	75	49960	17.786	ug/l	98
37) Ethyl Acetate	6.988	43	26845	21.622	ug/l	100
38) Carbon Tetrachloride	7.817	117	60637	18.770	ug/l	98
39) Methylcyclohexane	9.109	83	55036	15.973	ug/l	99
40) Benzene	8.079	78	155139	18.749	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	13235	19.578	ug/l #	87
42) 1,2-Dichloroethane	8.158	62	48011	20.740	ug/l	100
43) Isopropyl Acetate	8.201	43	51932	21.547	ug/l	99
44) Trichloroethene	8.866	130	38714	18.514	ug/l	93
45) 1,2-Dichloropropane	9.140	63	39865	20.242	ug/l	98
46) Dibromomethane	9.231	93	22605	20.629	ug/l	99
47) Bromodichloromethane	9.426	83	59810	20.553	ug/l	96
48) Methyl methacrylate	9.219	41	21896	19.784	ug/l	94
49) 1,4-Dioxane	9.225	88	5371	499.372	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	136432	109.711	ug/l	100
52) Toluene	10.170	92	98447	18.871	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	49959	19.486	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	58460	19.205	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	32080	22.380	ug/l	99
56) Ethyl methacrylate	10.438	69	37341	20.426	ug/l	99
57) 1,3-Dichloropropane	10.719	76	52749	21.233	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	96643	114.521	ug/l	99
59) 2-Hexanone	10.762	43	90434	109.980	ug/l	97
60) Dibromochloromethane	10.914	129	42021	21.384	ug/l	98
61) 1,2-Dibromoethane	11.018	107	28480	21.052	ug/l	96
64) Tetrachloroethene	10.646	164	44386	22.416	ug/l	95
65) Chlorobenzene	11.444	112	110587	19.231	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	40921	20.128	ug/l	99
67) Ethyl Benzene	11.524	91	185166	18.346	ug/l	99
68) m/p-Xylenes	11.633	106	141355	36.889	ug/l	100
69) o-Xylene	11.956	106	66155	18.732	ug/l	100
70) Styrene	11.975	104	112542	19.209	ug/l	99
71) Bromoform	12.133	173	24752	21.779	ug/l #	98
73) Isopropylbenzene	12.255	105	178324	17.365	ug/l	100
74) N-amyl acetate	12.072	43	43302	19.416	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	36015	19.874	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	24140m	18.376	ug/l	
77) Bromobenzene	12.536	156	45176	18.804	ug/l	98
78) n-propylbenzene	12.597	91	220465	17.677	ug/l	99
79) 2-Chlorotoluene	12.682	91	129396	18.145	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	148056	17.741	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	10211	17.670	ug/l	98
82) 4-Chlorotoluene	12.779	91	134138	18.164	ug/l	99
83) tert-Butylbenzene	12.999	119	131642	17.682	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	150362	18.146	ug/l	99
85) sec-Butylbenzene	13.176	105	201582	18.198	ug/l	99
86) p-Isopropyltoluene	13.292	119	163136	17.876	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	88518	18.509	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	90484	19.347	ug/l	100
89) n-Butylbenzene	13.621	91	153609	18.229	ug/l	99
90) Hexachloroethane	13.883	117	36180	18.584	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	80913	19.740	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5954	21.933	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	46068	20.577	ug/l	98
94) Hexachlorobutadiene	15.029	225	29595	21.088	ug/l	99
95) Naphthalene	15.151	128	77596	22.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	41181	21.871	ug/l	100

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

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