

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021592.D
 Acq On : 21 Mar 2025 12:19
 Operator : SY/MD
 Sample : VY0321SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0321SBS01

Quant Time: Mar 21 23:09:59 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	200070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	308028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	269737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140981	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120411	56.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.880%	
35) Dibromofluoromethane	7.634	113	120224	59.378	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.760%	
50) Toluene-d8	10.109	98	439972	57.391	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.780%	
62) 4-Bromofluorobenzene	12.408	95	149722	57.415	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.820%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	34078	18.561	ug/l	92
3) Chloromethane	2.068	50	50301	19.433	ug/l	98
4) Vinyl Chloride	2.202	62	59287	20.959	ug/l	98
5) Bromomethane	2.592	94	41967	20.528	ug/l	98
6) Chloroethane	2.733	64	42738	22.863	ug/l	99
7) Trichlorofluoromethane	3.056	101	86523	21.914	ug/l	100
8) Diethyl Ether	3.458	74	21615	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	47841	21.223	ug/l	99
10) Methyl Iodide	4.007	142	42170	18.404	ug/l	100
11) Tert butyl alcohol	4.848	59	15503	99.163	ug/l	98
12) 1,1-Dichloroethene	3.781	96	41530	20.208	ug/l	97
13) Acrolein	3.647	56	10138	94.257	ug/l	92
14) Allyl chloride	4.379	41	66313	19.966	ug/l	100
15) Acrylonitrile	5.055	53	48168	103.415	ug/l	98
16) Acetone	3.867	43	56948	123.473	ug/l	92
17) Carbon Disulfide	4.104	76	113067	17.555	ug/l	100
18) Methyl Acetate	4.385	43	20915	20.438	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	103465	19.863	ug/l	98
20) Methylene Chloride	4.616	84	46861	19.356	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	45430	19.738	ug/l	95
22) Diisopropyl ether	6.019	45	145843	20.376	ug/l	96
23) Vinyl Acetate	5.958	43	404570	99.041	ug/l	100
24) 1,1-Dichloroethane	5.909	63	86654	20.513	ug/l	98
25) 2-Butanone	6.890	43	69573	109.048	ug/l	95
26) 2,2-Dichloropropane	6.884	77	80404	20.686	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53305	20.387	ug/l	98
28) Bromochloromethane	7.244	49	32385	18.286	ug/l	99
29) Tetrahydrofuran	7.256	42	38481	97.699	ug/l	99
30) Chloroform	7.421	83	92655	21.122	ug/l	97
31) Cyclohexane	7.695	56	74399	18.786	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	84765	21.104	ug/l	99
36) 1,1-Dichloropropene	7.835	75	65449	20.651	ug/l	97
37) Ethyl Acetate	6.982	43	28570	20.396	ug/l	98
38) Carbon Tetrachloride	7.817	117	75220	20.637	ug/l	99
39) Methylcyclohexane	9.110	83	74293	19.111	ug/l	98
40) Benzene	8.079	78	189396	20.286	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	16985m	22.269	ug/l	
42) 1,2-Dichloroethane	8.158	62	52883	20.248	ug/l	100
43) Isopropyl Acetate	8.201	43	53766	19.772	ug/l #	85
44) Trichloroethene	8.866	130	49376	20.929	ug/l	94
45) 1,2-Dichloropropane	9.140	63	45798	20.611	ug/l	98
46) Dibromomethane	9.231	93	25126	20.323	ug/l	99
47) Bromodichloromethane	9.420	83	69564	21.187	ug/l	98
48) Methyl methacrylate	9.219	41	23624	18.919	ug/l	95
49) 1,4-Dioxane	9.225	88	5436	447.958	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	141171	100.616	ug/l	99
52) Toluene	10.170	92	125139	21.260	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58486	20.219	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	70480	20.522	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	34031	21.042	ug/l	99
56) Ethyl methacrylate	10.439	69	39599	19.199	ug/l	99
57) 1,3-Dichloropropane	10.719	76	57074	20.362	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	104592	109.850	ug/l	99
59) 2-Hexanone	10.762	43	98357	106.017	ug/l	98
60) Dibromochloromethane	10.914	129	47007	21.202	ug/l	99
61) 1,2-Dibromoethane	11.018	107	30641	20.075	ug/l	99
64) Tetrachloroethene	10.646	164	53841	24.547	ug/l	97
65) Chlorobenzene	11.444	112	130281	20.453	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	47747	21.202	ug/l	99
67) Ethyl Benzene	11.518	91	226097	20.223	ug/l	100
68) m/p-Xylenes	11.627	106	173229	40.812	ug/l	98
69) o-Xylene	11.957	106	81954	20.950	ug/l	98
70) Styrene	11.969	104	132987	20.492	ug/l	100
71) Bromoform	12.133	173	26283	20.878	ug/l #	98
73) Isopropylbenzene	12.255	105	220889	19.890	ug/l	100
74) N-amyl acetate	12.072	43	45631	18.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36475	18.612	ug/l	95
76) 1,2,3-Trichloropropane	12.560	75	30115m	21.198	ug/l	
77) Bromobenzene	12.536	156	51202	19.707	ug/l	98
78) n-propylbenzene	12.597	91	269335	19.970	ug/l	99
79) 2-Chlorotoluene	12.682	91	153673	19.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	182918	20.268	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11817	18.910	ug/l	97
82) 4-Chlorotoluene	12.780	91	159581	19.983	ug/l	100
83) tert-Butylbenzene	12.999	119	159846	19.854	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	182584	20.376	ug/l	100
85) sec-Butylbenzene	13.176	105	243328	20.313	ug/l	99
86) p-Isopropyltoluene	13.292	119	200016	20.268	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	104435	20.194	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	104188	20.599	ug/l	99
89) n-Butylbenzene	13.621	91	185147	20.317	ug/l	99
90) Hexachloroethane	13.883	117	43941	20.871	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	90654	20.452	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5523	18.814	ug/l	99
93) 1,2,4-Trichlorobenzene	14.926	180	50165	20.720	ug/l	99
94) Hexachlorobutadiene	15.029	225	32538	21.440	ug/l	99
95) Naphthalene	15.151	128	75655	20.500	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	41857	20.556	ug/l	99

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

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