

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061725\
 Data File : VY022714.D
 Acq On : 17 Jun 2025 10:02
 Operator : SY/MD
 Sample : VY0617SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0617SBS01

Quant Time: Jun 18 04:37:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	146835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	251462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	210339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	98997	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	83528	50.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.720%	
35) Dibromofluoromethane	7.646	113	78451	52.268	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.540%	
50) Toluene-d8	10.109	98	316217	52.141	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	12.408	95	88921	49.210	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.420%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	28622	21.772	ug/l	98
3) Chloromethane	2.074	50	73152	18.836	ug/l	99
4) Vinyl Chloride	2.208	62	98648	21.896	ug/l	99
5) Bromomethane	2.598	94	95240	22.055	ug/l	97
6) Chloroethane	2.739	64	71910	23.254	ug/l	94
7) Trichlorofluoromethane	3.056	101	86582	22.637	ug/l	95
8) Diethyl Ether	3.464	74	17880	20.758	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	35300	21.913	ug/l	98
10) Methyl Iodide	4.007	142	32331	18.546	ug/l	99
11) Tert butyl alcohol	4.878	59	10557	90.003	ug/l #	92
12) 1,1-Dichloroethene	3.793	96	32650	21.204	ug/l	95
13) Acrolein	3.659	56	8788	60.117	ug/l	84
14) Allyl chloride	4.391	41	47530	19.662	ug/l	97
15) Acrylonitrile	5.061	53	35370	96.959	ug/l	99
16) Acetone	3.879	43	48172	144.435	ug/l	100
17) Carbon Disulfide	4.110	76	95548	19.382	ug/l	98
18) Methyl Acetate	4.397	43	16336	16.540	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	85918	19.810	ug/l	99
20) Methylene Chloride	4.622	84	38527	20.336	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	37282	21.633	ug/l	93
22) Diisopropyl ether	6.025	45	111475	20.718	ug/l	97
23) Vinyl Acetate	5.970	43	313462	98.429	ug/l	99
24) 1,1-Dichloroethane	5.921	63	69264	21.851	ug/l	99
25) 2-Butanone	6.909	43	55415	115.188	ug/l	99
26) 2,2-Dichloropropane	6.890	77	60638	21.651	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	42683	21.428	ug/l	100
28) Bromochloromethane	7.250	49	29385	21.266	ug/l	100
29) Tetrahydrofuran	7.268	42	28120	90.626	ug/l	99
30) Chloroform	7.433	83	69514	22.140	ug/l	90
31) Cyclohexane	7.707	56	61497	19.487	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	61138	21.936	ug/l	98
36) 1,1-Dichloropropene	7.841	75	49778	20.434	ug/l	98
37) Ethyl Acetate	6.988	43	22118m	20.360	ug/l	
38) Carbon Tetrachloride	7.829	117	52260	20.912	ug/l	93
39) Methylcyclohexane	9.115	83	66390	20.280	ug/l	93
40) Benzene	8.085	78	155236	21.576	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	10946m	17.250	ug/l	
42) 1,2-Dichloroethane	8.164	62	41820	21.287	ug/l	98
43) Isopropyl Acetate	8.207	43	43700	18.626	ug/l	97
44) Trichloroethene	8.872	130	38609	21.956	ug/l	98
45) 1,2-Dichloropropane	9.146	63	37190	21.871	ug/l	100
46) Dibromomethane	9.237	93	19049	19.913	ug/l	97
47) Bromodichloromethane	9.426	83	52088	21.474	ug/l	99
48) Methyl methacrylate	9.225	41	19864	18.040	ug/l	98
49) 1,4-Dioxane	9.243	88	4422	390.181	ug/l	92
51) 4-Methyl-2-Pentanone	10.006	43	107345	91.768	ug/l	97
52) Toluene	10.176	92	94330	20.862	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	43626	19.195	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	53521	20.230	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	25211	20.668	ug/l	96
56) Ethyl methacrylate	10.444	69	31913	18.101	ug/l	97
57) 1,3-Dichloropropane	10.719	76	43726	20.225	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	79558	99.390	ug/l	100
59) 2-Hexanone	10.768	43	78313	100.105	ug/l	98
60) Dibromochloromethane	10.914	129	30191	19.476	ug/l	98
61) 1,2-Dibromoethane	11.018	107	22366	20.117	ug/l	95
64) Tetrachloroethene	10.652	164	43457	24.018	ug/l	98
65) Chlorobenzene	11.444	112	99240	21.321	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	33630	21.448	ug/l	99
67) Ethyl Benzene	11.524	91	180358	20.891	ug/l	98
68) m/p-Xylenes	11.633	106	134825	41.196	ug/l	99
69) o-Xylene	11.956	106	61386	20.006	ug/l	97
70) Styrene	11.975	104	102424	20.194	ug/l	99
71) Bromoform	12.133	173	16347	19.591	ug/l #	98
73) Isopropylbenzene	12.255	105	165210	20.327	ug/l	99
74) N-amyl acetate	12.072	43	36437	17.767	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	23823	17.859	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	17145m	15.138	ug/l	
77) Bromobenzene	12.536	156	33520	19.544	ug/l	91
78) n-propylbenzene	12.597	91	203563	20.506	ug/l	99
79) 2-Chlorotoluene	12.682	91	106835	20.306	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	130543	20.458	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	8405	17.922	ug/l	99
82) 4-Chlorotoluene	12.779	91	108757	20.038	ug/l	98
83) tert-Butylbenzene	12.999	119	119850	20.927	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	127757	20.018	ug/l	99
85) sec-Butylbenzene	13.182	105	178798	20.385	ug/l	100
86) p-Isopropyltoluene	13.292	119	142218	19.671	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	70223	20.208	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	69903	20.740	ug/l	99
89) n-Butylbenzene	13.621	91	143902	20.979	ug/l	99
90) Hexachloroethane	13.883	117	30275	21.510	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	59666	20.223	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3624	18.660	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	32970	20.489	ug/l	98
94) Hexachlorobutadiene	15.023	225	18430	20.751	ug/l	99
95) Naphthalene	15.145	128	56435	18.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	27721	20.102	ug/l	98

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

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