

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061725\
 Data File : VY022715.D
 Acq On : 17 Jun 2025 10:25
 Operator : SY/MD
 Sample : VY0617SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0617SBS01

Quant Time: Jun 18 04:38:22 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	150510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	250711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	214320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98569	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	85826	50.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.960%	
35) Dibromofluoromethane	7.634	113	78727	52.609	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.220%	
50) Toluene-d8	10.109	98	308635	51.043	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.407	95	88656	49.210	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.420%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	28996	21.518	ug/l	99
3) Chloromethane	2.068	50	89063	22.373	ug/l	100
4) Vinyl Chloride	2.208	62	103762	22.468	ug/l	98
5) Bromomethane	2.592	94	100396	22.682	ug/l	93
6) Chloroethane	2.738	64	74026	23.353	ug/l	95
7) Trichlorofluoromethane	3.055	101	90245	23.019	ug/l	94
8) Diethyl Ether	3.458	74	18785	21.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	35919	21.753	ug/l	97
10) Methyl Iodide	4.007	142	34071	19.067	ug/l	98
11) Tert butyl alcohol	4.884	59	13094m	108.906	ug/l	
12) 1,1-Dichloroethene	3.793	96	33399	21.161	ug/l	96
13) Acrolein	3.659	56	9789	65.330	ug/l	99
14) Allyl chloride	4.391	41	50413	20.346	ug/l	99
15) Acrylonitrile	5.067	53	39993	106.955	ug/l	98
16) Acetone	3.872	43	48674	142.376	ug/l	98
17) Carbon Disulfide	4.110	76	98798	19.552	ug/l	98
18) Methyl Acetate	4.397	43	21160	20.902	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	92971	20.913	ug/l	96
20) Methylene Chloride	4.622	84	43595	22.449	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	37301	21.116	ug/l	99
22) Diisopropyl ether	6.024	45	117873	21.372	ug/l	98
23) Vinyl Acetate	5.970	43	334432	102.449	ug/l	99
24) 1,1-Dichloroethane	5.921	63	72438	22.294	ug/l	98
25) 2-Butanone	6.896	43	59621	120.904	ug/l	92
26) 2,2-Dichloropropane	6.890	77	61728	21.502	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	43693	21.399	ug/l	96
28) Bromochloromethane	7.250	49	30068	21.229	ug/l	100
29) Tetrahydrofuran	7.268	42	32379	101.804	ug/l	96
30) Chloroform	7.427	83	72386	22.492	ug/l	93
31) Cyclohexane	7.707	56	63003	19.477	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	61497	21.526	ug/l	97
36) 1,1-Dichloropropene	7.841	75	52861	21.765	ug/l	99
37) Ethyl Acetate	6.988	43	24367	22.498	ug/l	99
38) Carbon Tetrachloride	7.823	117	53665	21.539	ug/l	94
39) Methylcyclohexane	9.115	83	64418	19.737	ug/l	98
40) Benzene	8.085	78	158635	22.114	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	11431	18.069	ug/l	88
42) 1,2-Dichloroethane	8.164	62	43668	22.295	ug/l	99
43) Isopropyl Acetate	8.201	43	49091	20.986	ug/l #	84
44) Trichloroethene	8.872	130	38710	22.079	ug/l	100
45) 1,2-Dichloropropane	9.146	63	37567	22.159	ug/l	95
46) Dibromomethane	9.231	93	21121	22.145	ug/l	99
47) Bromodichloromethane	9.426	83	54067	22.356	ug/l	94
48) Methyl methacrylate	9.225	41	22351	20.359	ug/l	95
49) 1,4-Dioxane	9.237	88	4901	433.741	ug/l	89
51) 4-Methyl-2-Pentanone	9.999	43	122553	105.083	ug/l	97
52) Toluene	10.176	92	97863	21.709	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	48098	21.226	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	56411	21.386	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	27694	22.771	ug/l	92
56) Ethyl methacrylate	10.438	69	34082	19.389	ug/l	94
57) 1,3-Dichloropropane	10.719	76	47045	21.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	88478	110.865	ug/l	99
59) 2-Hexanone	10.761	43	88444	113.393	ug/l	100
60) Dibromochloromethane	10.914	129	33862	21.909	ug/l	99
61) 1,2-Dibromoethane	11.011	107	24964	22.521	ug/l	91
64) Tetrachloroethene	10.652	164	45590	24.729	ug/l	92
65) Chlorobenzene	11.444	112	102408	21.593	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	33697	21.091	ug/l	97
67) Ethyl Benzene	11.517	91	183025	20.806	ug/l	100
68) m/p-Xylenes	11.633	106	139074	41.705	ug/l	99
69) o-Xylene	11.956	106	64187	20.530	ug/l	100
70) Styrene	11.969	104	106450	20.598	ug/l	99
71) Bromoform	12.133	173	17512	20.598	ug/l #	94
73) Isopropylbenzene	12.255	105	171356	21.175	ug/l	100
74) N-amyl acetate	12.072	43	40949	20.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	27670	20.833	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	18463m	16.373	ug/l	
77) Bromobenzene	12.536	156	37136	21.746	ug/l	98
78) n-propylbenzene	12.596	91	211100	21.357	ug/l	100
79) 2-Chlorotoluene	12.682	91	109715	20.944	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	134660	21.195	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	8663	18.552	ug/l	92
82) 4-Chlorotoluene	12.779	91	114403	21.169	ug/l	97
83) tert-Butylbenzene	12.999	119	116764	20.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	133387	20.991	ug/l	97
85) sec-Butylbenzene	13.176	105	182170	20.860	ug/l	100
86) p-Isopropyltoluene	13.291	119	147543	20.496	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	72637	20.993	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	71985	21.450	ug/l	99
89) n-Butylbenzene	13.621	91	145739	21.339	ug/l	98
90) Hexachloroethane	13.883	117	30026	21.425	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	63757	21.703	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4354	22.516	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	34803	21.722	ug/l	97
94) Hexachlorobutadiene	15.023	225	19772	22.359	ug/l	95
95) Naphthalene	15.145	128	61822	20.107	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	29780	21.688	ug/l	100

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

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