

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022697.D
 Acq On : 16 Jun 2025 10:12
 Operator : SY/MD
 Sample : VY0616SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0616SBS01

Quant Time: Jun 17 06:09:51 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	158575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	274493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	229894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	109254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92304	52.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.080%			
35) Dibromofluoromethane	7.634	113	84256	51.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.109	98	335707	50.710	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.408	95	97799	49.582	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	30929	21.785	ug/l	97
3) Chloromethane	2.068	50	81063	19.327	ug/l	99
4) Vinyl Chloride	2.208	62	106967	21.984	ug/l	98
5) Bromomethane	2.592	94	106224	22.778	ug/l	98
6) Chloroethane	2.733	64	77642	23.248	ug/l	96
7) Trichlorofluoromethane	3.050	101	96027	23.248	ug/l	99
8) Diethyl Ether	3.452	74	20424	21.956	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	39178	22.520	ug/l	98
10) Methyl Iodide	4.007	142	35299	18.750	ug/l	98
11) Tert butyl alcohol	4.879	59	13305	105.033	ug/l #	92
12) 1,1-Dichloroethene	3.793	96	36931	22.209	ug/l	95
13) Acrolein	3.653	56	11018	69.792	ug/l	95
14) Allyl chloride	4.385	41	53849	20.627	ug/l	97
15) Acrylonitrile	5.061	53	43625	110.734	ug/l	98
16) Acetone	3.873	43	50848	141.171	ug/l	96
17) Carbon Disulfide	4.104	76	109042	20.482	ug/l	99
18) Methyl Acetate	4.391	43	21734	20.377	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	99131	21.165	ug/l	98
20) Methylene Chloride	4.610	84	48762	23.833	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	41044	22.053	ug/l	92
22) Diisopropyl ether	6.019	45	126069	21.695	ug/l	97
23) Vinyl Acetate	5.964	43	360740	104.888	ug/l	99
24) 1,1-Dichloroethane	5.921	63	76065	22.220	ug/l	100
25) 2-Butanone	6.896	43	64118	123.411	ug/l	100
26) 2,2-Dichloropropane	6.890	77	66458	21.972	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	46410	21.574	ug/l	96
28) Bromochloromethane	7.250	49	32989	22.107	ug/l	97
29) Tetrahydrofuran	7.262	42	35539	106.057	ug/l	98
30) Chloroform	7.427	83	76803	22.651	ug/l	91
31) Cyclohexane	7.707	56	68711	20.161	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	68356	22.710	ug/l	99
36) 1,1-Dichloropropene	7.841	75	56212	21.139	ug/l	99
37) Ethyl Acetate	6.988	43	25836	21.787	ug/l	98
38) Carbon Tetrachloride	7.817	117	57413	21.047	ug/l	98
39) Methylcyclohexane	9.110	83	70362	19.690	ug/l	99
40) Benzene	8.079	78	169830	21.624	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	11287	16.295	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	46696	21.775	ug/l	97
43) Isopropyl Acetate	8.201	43	51938	20.280	ug/l	98
44) Trichloroethene	8.866	130	41267	21.498	ug/l	97
45) 1,2-Dichloropropane	9.140	63	40369	21.749	ug/l	95
46) Dibromomethane	9.231	93	22198	21.257	ug/l	98
47) Bromodichloromethane	9.427	83	58700	22.169	ug/l	98
48) Methyl methacrylate	9.225	41	25045	20.836	ug/l	98
49) 1,4-Dioxane	9.231	88	5331	430.920	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	132045	103.413	ug/l	99
52) Toluene	10.170	92	104048	21.081	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	52106	21.003	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	59697	20.671	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	29305	22.008	ug/l	89
56) Ethyl methacrylate	10.439	69	37977	19.733	ug/l	99
57) 1,3-Dichloropropane	10.719	76	50278	21.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	93823	107.377	ug/l	99
59) 2-Hexanone	10.762	43	92278	108.059	ug/l	100
60) Dibromochloromethane	10.914	129	35744	21.123	ug/l	98
61) 1,2-Dibromoethane	11.018	107	26650	21.959	ug/l	95
64) Tetrachloroethene	10.646	164	48016	24.280	ug/l	98
65) Chlorobenzene	11.444	112	110633	21.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	35445	20.683	ug/l	98
67) Ethyl Benzene	11.518	91	195335	20.702	ug/l	99
68) m/p-Xylenes	11.627	106	147231	41.160	ug/l	98
69) o-Xylene	11.957	106	69044	20.588	ug/l	100
70) Styrene	11.969	104	113714	20.513	ug/l	99
71) Bromoform	12.133	173	19012	20.847	ug/l #	98
73) Isopropylbenzene	12.255	105	182723	20.371	ug/l	100
74) N-amyl acetate	12.072	43	43824	19.363	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	28808	19.569	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	24668m	19.736	ug/l	
77) Bromobenzene	12.536	156	39023	20.616	ug/l	98
78) n-propylbenzene	12.597	91	221750	20.241	ug/l	99
79) 2-Chlorotoluene	12.682	91	119393	20.562	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	144419	20.508	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	10097	19.508	ug/l	98
82) 4-Chlorotoluene	12.780	91	120666	20.145	ug/l	98
83) tert-Butylbenzene	12.999	119	128051	20.260	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	143246	20.338	ug/l	100
85) sec-Butylbenzene	13.176	105	196393	20.289	ug/l	100
86) p-Isopropyltoluene	13.292	119	157938	19.794	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	79159	20.641	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	78000	20.970	ug/l	99
89) n-Butylbenzene	13.615	91	152139	20.097	ug/l	100
90) Hexachloroethane	13.877	117	32367	20.837	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	66633	20.464	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4817	22.474	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	37234	20.967	ug/l	96
94) Hexachlorobutadiene	15.023	225	20911	21.334	ug/l	98
95) Naphthalene	15.145	128	68059	19.971	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	32973	21.665	ug/l	98

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

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