

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023216.D
 Acq On : 28 Aug 2025 10:58
 Operator : SY/MD
 Sample : VY0828SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0828SBS01

Quant Time: Aug 29 02:06:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	498098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	773362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	674652	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	338228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	211496	44.552	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.100%		
35) Dibromofluoromethane	7.634	113	224907	48.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.200%		
50) Toluene-d8	10.109	98	870100	48.131	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.260%		
62) 4-Bromofluorobenzene	12.408	95	271734	46.739	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	83858	20.625	ug/l	97
3) Chloromethane	2.074	50	125293	19.026	ug/l	100
4) Vinyl Chloride	2.208	62	158742	19.501	ug/l	100
5) Bromomethane	2.598	94	129210	21.254	ug/l	99
6) Chloroethane	2.739	64	108018	19.959	ug/l	94
7) Trichlorofluoromethane	3.062	101	192173	19.415	ug/l	98
8) Diethyl Ether	3.458	74	51389	19.624	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	102761	21.044	ug/l	97
10) Methyl Iodide	4.007	142	108284	20.550	ug/l	99
11) Tert butyl alcohol	4.866	59	27140	83.437	ug/l	98
12) 1,1-Dichloroethene	3.793	96	100174	20.870	ug/l	94
13) Acrolein	3.653	56	23134	48.563	ug/l	96
14) Allyl chloride	4.385	41	131421	18.608	ug/l	97
15) Acrylonitrile	5.061	53	94735	88.983	ug/l	99
16) Acetone	3.872	43	112821	109.699	ug/l	98
17) Carbon Disulfide	4.110	76	306008	19.552	ug/l	98
18) Methyl Acetate	4.391	43	54395	17.773	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	232384	18.684	ug/l	100
20) Methylene Chloride	4.616	84	116812	20.240	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	110389	20.465	ug/l	97
22) Diisopropyl ether	6.018	45	290855	18.951	ug/l	93
23) Vinyl Acetate	5.964	43	759068	89.446	ug/l	98
24) 1,1-Dichloroethane	5.921	63	187797	20.014	ug/l	100
25) 2-Butanone	6.896	43	132415	94.667	ug/l	96
26) 2,2-Dichloropropane	6.890	77	166801	20.601	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125779	20.170	ug/l	97
28) Bromochloromethane	7.250	49	71877	19.308	ug/l	91
29) Tetrahydrofuran	7.262	42	73570	84.854	ug/l	97
30) Chloroform	7.421	83	202146	20.889	ug/l	95
31) Cyclohexane	7.701	56	163947	18.541	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	176604	20.567	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139904	20.343	ug/l	97
37) Ethyl Acetate	6.988	43	52562	18.194	ug/l	97
38) Carbon Tetrachloride	7.823	117	157947	21.145	ug/l	97
39) Methylcyclohexane	9.109	83	182393	20.140	ug/l	97
40) Benzene	8.085	78	440711	20.792	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	31972	19.176	ug/l	96
42) 1,2-Dichloroethane	8.158	62	109363	19.838	ug/l	99
43) Isopropyl Acetate	8.201	43	103991	17.810	ug/l #	83
44) Trichloroethene	8.865	130	121943	22.262	ug/l	99
45) 1,2-Dichloropropane	9.146	63	98914	20.281	ug/l	97
46) Dibromomethane	9.231	93	56739	20.269	ug/l	96
47) Bromodichloromethane	9.426	83	149137	20.705	ug/l	98
48) Methyl methacrylate	9.225	41	49287	17.640	ug/l	96
49) 1,4-Dioxane	9.231	88	12530	381.748	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	261747	86.904	ug/l	99
52) Toluene	10.170	92	283148	21.032	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	126830	19.445	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	153698	19.927	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	79072	21.110	ug/l	98
56) Ethyl methacrylate	10.438	69	86063	17.956	ug/l	96
57) 1,3-Dichloropropane	10.719	76	127696	20.102	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	188653	83.442	ug/l	97
59) 2-Hexanone	10.762	43	188411	91.868	ug/l	99
60) Dibromochloromethane	10.914	129	102355	20.709	ug/l	99
61) 1,2-Dibromoethane	11.018	107	70975	20.160	ug/l	100
64) Tetrachloroethene	10.646	164	149009	24.735	ug/l	97
65) Chlorobenzene	11.444	112	307503	21.131	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	104833	21.226	ug/l	97
67) Ethyl Benzene	11.517	91	511453	20.423	ug/l	96
68) m/p-Xylenes	11.627	106	404563	41.363	ug/l	98
69) o-Xylene	11.956	106	187580	20.477	ug/l	100
70) Styrene	11.969	104	305060	20.363	ug/l	99
71) Bromoform	12.133	173	58850	20.388	ug/l #	99
73) Isopropylbenzene	12.255	105	490612	20.552	ug/l	100
74) N-amyl acetate	12.072	43	84323	16.657	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	73253	17.972	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	59295m	18.165	ug/l	
77) Bromobenzene	12.536	156	121226	21.286	ug/l	94
78) n-propylbenzene	12.597	91	582228	20.486	ug/l	98
79) 2-Chlorotoluene	12.682	91	335016	20.573	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	397240	20.590	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25038	18.567	ug/l	98
82) 4-Chlorotoluene	12.779	91	345600	20.459	ug/l	98
83) tert-Butylbenzene	12.999	119	354889	20.367	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	393756	20.502	ug/l	99
85) sec-Butylbenzene	13.176	105	529646	20.692	ug/l	99
86) p-Isopropyltoluene	13.292	119	443763	20.886	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	234109	20.845	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	232922	20.907	ug/l	99
89) n-Butylbenzene	13.621	91	388450	19.906	ug/l	99
90) Hexachloroethane	13.877	117	93560	21.511	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	206517	20.967	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11525	18.160	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	115389	19.811	ug/l	98
94) Hexachlorobutadiene	15.023	225	71675	20.941	ug/l	97
95) Naphthalene	15.145	128	172952	17.414	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	97205	19.367	ug/l	99

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

