

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023639.D
 Acq On : 31 Oct 2025 10:15
 Operator : SY/MD
 Sample : VY1031SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/03/2025
 Supervised By :Semsettin Yesilyurt 11/03/2025

Quant Time: Nov 01 03:21:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	466936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	685905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	593886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	312078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	187572	48.039	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.080%		
35) Dibromofluoromethane	7.634	113	207532	49.242	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.480%		
50) Toluene-d8	10.109	98	774555	49.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.700%		
62) 4-Bromofluorobenzene	12.408	95	253672	48.954	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	70538	20.988	ug/l	100
3) Chloromethane	2.074	50	91791	20.048	ug/l	100
4) Vinyl Chloride	2.208	62	120050	20.131	ug/l	99
5) Bromomethane	2.592	94	101730	20.328	ug/l	96
6) Chloroethane	2.739	64	86665	21.320	ug/l	99
7) Trichlorofluoromethane	3.062	101	176865	21.360	ug/l	99
8) Diethyl Ether	3.458	74	43446	20.080	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	98682	22.967	ug/l	99
10) Methyl Iodide	4.007	142	107137	22.398	ug/l	99
11) Tert butyl alcohol	4.848	59	28512	98.155	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	91149	21.884	ug/l	94
13) Acrolein	3.653	56	17162	41.812	ug/l	100
14) Allyl chloride	4.385	41	115419	22.737	ug/l	99
15) Acrylonitrile	5.061	53	86553	104.531	ug/l	100
16) Acetone	3.867	43	130440	140.325	ug/l	98
17) Carbon Disulfide	4.110	76	246842	20.706	ug/l	99
18) Methyl Acetate	4.391	43	44816	18.379	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	207845	20.762	ug/l	96
20) Methylene Chloride	4.616	84	103888	20.668	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	102960	22.452	ug/l	96
22) Diisopropyl ether	6.019	45	263101	23.432	ug/l	94
23) Vinyl Acetate	5.964	43	667624	109.849	ug/l	97
24) 1,1-Dichloroethane	5.921	63	172613	23.208	ug/l	98
25) 2-Butanone	6.896	43	134356	118.392	ug/l	98
26) 2,2-Dichloropropane	6.884	77	161028	23.594	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	119707	22.599	ug/l	100
28) Bromochloromethane	7.250	49	62405	22.475	ug/l	94
29) Tetrahydrofuran	7.262	42	64067	99.555	ug/l	98
30) Chloroform	7.421	83	192275	23.529	ug/l	96
31) Cyclohexane	7.701	56	142654	21.962	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	173454	23.357	ug/l	98
36) 1,1-Dichloropropene	7.835	75	128204	22.977	ug/l	99
37) Ethyl Acetate	6.988	43	48143	21.779	ug/l	98
38) Carbon Tetrachloride	7.823	117	157367	23.260	ug/l	98
39) Methylcyclohexane	9.110	83	159481	21.953	ug/l	95
40) Benzene	8.079	78	410500	23.231	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	21894	18.313	ug/l	88
42) 1,2-Dichloroethane	8.158	62	101620	22.299	ug/l	99
43) Isopropyl Acetate	8.201	43	89033	20.199	ug/l	97
44) Trichloroethene	8.866	130	115460	22.325	ug/l	95
45) 1,2-Dichloropropane	9.140	63	91141	23.352	ug/l	97
46) Dibromomethane	9.231	93	55022	22.295	ug/l	97
47) Bromodichloromethane	9.420	83	141475	22.761	ug/l	99
48) Methyl methacrylate	9.225	41	41066	19.832	ug/l	96
49) 1,4-Dioxane	9.225	88	10498	366.884	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	233290	102.439	ug/l	98
52) Toluene	10.170	92	266614	23.238	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	116574	21.570	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	143811	22.546	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	74325	22.395	ug/l	95
56) Ethyl methacrylate	10.439	69	77091	20.137	ug/l	99
57) 1,3-Dichloropropane	10.719	76	117303	22.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	172691	100.697	ug/l	97
59) 2-Hexanone	10.762	43	184477	113.350	ug/l	98
60) Dibromochloromethane	10.914	129	102047	21.932	ug/l	100
61) 1,2-Dibromoethane	11.018	107	70272	22.202	ug/l	97
64) Tetrachloroethene	10.646	164	141971	23.152	ug/l	96
65) Chlorobenzene	11.438	112	297216	23.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	106464	23.130	ug/l	98
67) Ethyl Benzene	11.518	91	479712	22.944	ug/l	99
68) m/p-Xylenes	11.627	106	391290	46.659	ug/l	98
69) o-Xylene	11.957	106	175919	22.364	ug/l	96
70) Styrene	11.969	104	298583	23.083	ug/l	100
71) Bromoform	12.133	173	59665	20.897	ug/l #	99
73) Isopropylbenzene	12.255	105	481110	23.393	ug/l	99
74) N-amyl acetate	12.066	43	72251	19.559	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	70417	20.934	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	53274m	19.349	ug/l	
77) Bromobenzene	12.530	156	120319	22.006	ug/l	97
78) n-propylbenzene	12.591	91	567091	23.828	ug/l	98
79) 2-Chlorotoluene	12.682	91	325525	23.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	388229	23.360	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	22879	20.376	ug/l	97
82) 4-Chlorotoluene	12.773	91	336736	23.460	ug/l	100
83) tert-Butylbenzene	12.993	119	355303	23.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	390535	23.546	ug/l	99
85) sec-Butylbenzene	13.176	105	527143	23.948	ug/l	98
86) p-Isopropyltoluene	13.292	119	440893	23.525	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	241660	22.697	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	236063	22.449	ug/l	99
89) n-Butylbenzene	13.615	91	381103	23.338	ug/l	99
90) Hexachloroethane	13.877	117	92230	22.881	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	207934	22.276	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10999	19.928	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	119943	20.611	ug/l	100
94) Hexachlorobutadiene	15.023	225	82704	22.799	ug/l	98
95) Naphthalene	15.145	128	167864	18.115	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	101153	20.068	ug/l	99

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

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