

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023459.D
 Acq On : 14 Oct 2025 12:49
 Operator : SY/MD
 Sample : VY1014SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 03:28:21 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	517858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	759118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	662146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	344738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	200056	46.198	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.400%		
35) Dibromofluoromethane	7.640	113	229270	49.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.300%		
50) Toluene-d8	10.109	98	856206	49.290	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.408	95	268010	46.733	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78318	21.011	ug/l	98
3) Chloromethane	2.074	50	103193	20.322	ug/l	97
4) Vinyl Chloride	2.208	62	133235	20.145	ug/l	100
5) Bromomethane	2.598	94	114719	20.669	ug/l	97
6) Chloroethane	2.739	64	92706	20.563	ug/l	99
7) Trichlorofluoromethane	3.062	101	183953	20.032	ug/l	98
8) Diethyl Ether	3.458	74	44899	18.711	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	98755	20.724	ug/l	99
10) Methyl Iodide	4.013	142	107242	20.215	ug/l	99
11) Tert butyl alcohol	4.854	59	25679	79.710	ug/l	98
12) 1,1-Dichloroethene	3.799	96	91657	19.842	ug/l	98
13) Acrolein	3.659	56	30296	66.553	ug/l	100
14) Allyl chloride	4.385	41	108734	19.314	ug/l	97
15) Acrylonitrile	5.061	53	81275	88.505	ug/l	100
16) Acetone	3.866	43	121300	117.660	ug/l	99
17) Carbon Disulfide	4.110	76	268877	20.337	ug/l	99
18) Methyl Acetate	4.391	43	42349	15.660	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	199016	17.925	ug/l	97
20) Methylene Chloride	4.622	84	108519	19.466	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	104310	20.510	ug/l	98
22) Diisopropyl ether	6.031	45	247705	19.891	ug/l	97
23) Vinyl Acetate	5.964	43	630348	93.517	ug/l	99
24) 1,1-Dichloroethane	5.921	63	171213	20.756	ug/l	99
25) 2-Butanone	6.896	43	124515	98.931	ug/l	94
26) 2,2-Dichloropropane	6.890	77	157418	20.797	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	119003	20.257	ug/l	99
28) Bromochloromethane	7.250	49	63641	20.666	ug/l	99
29) Tetrahydrofuran	7.268	42	58790	82.372	ug/l	99
30) Chloroform	7.427	83	190324	21.000	ug/l	99
31) Cyclohexane	7.707	56	135945	18.872	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	172371	20.929	ug/l	100
36) 1,1-Dichloropropene	7.841	75	126310	20.454	ug/l	99
37) Ethyl Acetate	6.988	43	44361	18.133	ug/l	97
38) Carbon Tetrachloride	7.823	117	157808	21.075	ug/l	98
39) Methylcyclohexane	9.109	83	152615	18.981	ug/l	97
40) Benzene	8.085	78	407431	20.834	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	22459	16.974	ug/l	95
42) 1,2-Dichloroethane	8.164	62	99914	19.810	ug/l	100
43) Isopropyl Acetate	8.201	43	83017	17.018	ug/l	99
44) Trichloroethene	8.866	130	116408	20.337	ug/l	100
45) 1,2-Dichloropropane	9.146	63	88036	20.381	ug/l	97
46) Dibromomethane	9.231	93	53570	19.613	ug/l	98
47) Bromodichloromethane	9.426	83	142117	20.659	ug/l	98
48) Methyl methacrylate	9.225	41	39390	17.188	ug/l	97
49) 1,4-Dioxane	9.231	88	10866	343.120	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	213668	84.774	ug/l	98
52) Toluene	10.170	92	265219	20.887	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	114994	19.225	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	141658	20.066	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	72278	19.678	ug/l	94
56) Ethyl methacrylate	10.438	69	72999	17.229	ug/l	98
57) 1,3-Dichloropropane	10.719	76	113725	19.539	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	163038	85.900	ug/l	99
59) 2-Hexanone	10.762	43	166759	92.582	ug/l	100
60) Dibromochloromethane	10.914	129	103837	20.164	ug/l	99
61) 1,2-Dibromoethane	11.018	107	68920	19.675	ug/l	96
64) Tetrachloroethene	10.646	164	140307	20.522	ug/l	97
65) Chlorobenzene	11.444	112	295383	20.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	106581	20.768	ug/l	100
67) Ethyl Benzene	11.518	91	469622	20.146	ug/l	100
68) m/p-Xylenes	11.627	106	383041	40.966	ug/l	99
69) o-Xylene	11.956	106	175260	19.984	ug/l	100
70) Styrene	11.969	104	295645	20.499	ug/l	100
71) Bromoform	12.133	173	61868	19.435	ug/l #	99
73) Isopropylbenzene	12.255	105	459589	20.230	ug/l	99
74) N-amyl acetate	12.072	43	68107	16.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	69130	18.604	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	54695m	17.983	ug/l	
77) Bromobenzene	12.530	156	120331	19.923	ug/l	99
78) n-propylbenzene	12.597	91	540264	20.550	ug/l	100
79) 2-Chlorotoluene	12.682	91	311862	20.257	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	379470	20.670	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22978	18.526	ug/l	97
82) 4-Chlorotoluene	12.779	91	325484	20.528	ug/l	100
83) tert-Butylbenzene	12.999	119	337311	19.900	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	377183	20.587	ug/l	99
85) sec-Butylbenzene	13.176	105	495374	20.373	ug/l	100
86) p-Isopropyltoluene	13.292	119	420809	20.327	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	237294	20.176	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	230573	19.850	ug/l	98
89) n-Butylbenzene	13.615	91	355030	19.681	ug/l	99
90) Hexachloroethane	13.877	117	93227	20.937	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	204984	19.879	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10581	17.355	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	116389	18.105	ug/l	99
94) Hexachlorobutadiene	15.023	225	81076	20.233	ug/l	99
95) Naphthalene	15.145	128	154485	15.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	97618	17.532	ug/l	100

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

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