

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023409.D
 Acq On : 09 Oct 2025 09:45
 Operator : SY/MD
 Sample : VY1009SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1009SBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 04:21:04 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	563762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	821828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	727518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	376801	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	215871	45.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.580%
35) Dibromofluoromethane	7.640	113	241758	47.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.760%
50) Toluene-d8	10.109	98	900230	47.870	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.408	95	285471	45.979	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.960%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85749	21.131	ug/l	97
3) Chloromethane	2.074	50	108685	19.661	ug/l	100
4) Vinyl Chloride	2.208	62	140110	19.459	ug/l	100
5) Bromomethane	2.598	94	122336	20.247	ug/l	98
6) Chloroethane	2.739	64	100330	20.442	ug/l	99
7) Trichlorofluoromethane	3.062	101	196750	19.681	ug/l	99
8) Diethyl Ether	3.458	74	49795	19.062	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	108261	20.869	ug/l	99
10) Methyl Iodide	4.007	142	113175	19.597	ug/l	99
11) Tert butyl alcohol	4.866	59	33665	95.990	ug/l	95
12) 1,1-Dichloroethene	3.793	96	99731	19.832	ug/l	94
13) Acrolein	3.653	56	40278	81.277	ug/l	99
14) Allyl chloride	4.391	41	116410	18.994	ug/l	98
15) Acrylonitrile	5.061	53	90136	90.162	ug/l	99
16) Acetone	3.873	43	137624	122.625	ug/l	99
17) Carbon Disulfide	4.110	76	294532	20.463	ug/l	99
18) Methyl Acetate	4.385	43	47012	15.968	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	224998	18.616	ug/l	99
20) Methylene Chloride	4.616	84	113968	18.779	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	112414	20.304	ug/l	97
22) Diisopropyl ether	6.025	45	265422	19.579	ug/l	96
23) Vinyl Acetate	5.964	43	699897	95.380	ug/l	100
24) 1,1-Dichloroethane	5.921	63	182155	20.284	ug/l	97
25) 2-Butanone	6.896	43	145773	106.390	ug/l	97
26) 2,2-Dichloropropane	6.890	77	172493	20.933	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	126574	19.791	ug/l	99
28) Bromochloromethane	7.250	49	67024	19.993	ug/l	98
29) Tetrahydrofuran	7.268	42	67835	87.306	ug/l	97
30) Chloroform	7.427	83	199370	20.207	ug/l	99
31) Cyclohexane	7.707	56	154146	19.656	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	180303	20.109	ug/l	98
36) 1,1-Dichloropropene	7.835	75	138589	20.730	ug/l	98
37) Ethyl Acetate	6.994	43	51391	19.403	ug/l	98
38) Carbon Tetrachloride	7.817	117	167157	20.621	ug/l	100
39) Methylcyclohexane	9.109	83	174614	20.060	ug/l	96
40) Benzene	8.085	78	439932	20.779	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	24922	17.398	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	108207	19.817	ug/l	99
43) Isopropyl Acetate	8.201	43	96508	18.274	ug/l	100
44) Trichloroethene	8.866	130	125009	20.173	ug/l	99
45) 1,2-Dichloropropane	9.146	63	96247	20.582	ug/l	99
46) Dibromomethane	9.231	93	58388	19.746	ug/l	98
47) Bromodichloromethane	9.426	83	149191	20.033	ug/l	99
48) Methyl methacrylate	9.219	41	42780	17.242	ug/l	95
49) 1,4-Dioxane	9.231	88	12246	357.190	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	250333	91.743	ug/l	98
52) Toluene	10.170	92	280105	20.376	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	122023	18.844	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	149849	19.607	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	77705	19.541	ug/l	95
56) Ethyl methacrylate	10.445	69	80772	17.609	ug/l	99
57) 1,3-Dichloropropane	10.719	76	123698	19.631	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	182196	88.669	ug/l	99
59) 2-Hexanone	10.762	43	197074	101.063	ug/l	99
60) Dibromochloromethane	10.914	129	111195	19.945	ug/l	99
61) 1,2-Dibromoethane	11.018	107	73429	19.363	ug/l	99
64) Tetrachloroethene	10.646	164	145594	19.382	ug/l	96
65) Chlorobenzene	11.444	112	314016	19.845	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	111165	19.715	ug/l	99
67) Ethyl Benzene	11.518	91	509085	19.876	ug/l	99
68) m/p-Xylenes	11.627	106	410062	39.916	ug/l	99
69) o-Xylene	11.956	106	188687	19.581	ug/l	99
70) Styrene	11.969	104	311804	19.677	ug/l	99
71) Bromoform	12.133	173	64321	18.390	ug/l #	100
73) Isopropylbenzene	12.255	105	493259	19.864	ug/l	100
74) N-amyl acetate	12.072	43	77131	17.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	78596	19.352	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	58029m	17.456	ug/l	
77) Bromobenzene	12.536	156	127908	19.376	ug/l	98
78) n-propylbenzene	12.597	91	580789	20.212	ug/l	100
79) 2-Chlorotoluene	12.682	91	335010	19.909	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	402952	20.082	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	24605	18.150	ug/l	99
82) 4-Chlorotoluene	12.779	91	347982	20.080	ug/l	100
83) tert-Butylbenzene	12.999	119	362790	19.582	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	403304	20.139	ug/l	99
85) sec-Butylbenzene	13.176	105	536485	20.186	ug/l	100
86) p-Isopropyltoluene	13.292	119	455784	20.143	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	250678	19.500	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	248075	19.539	ug/l	99
89) n-Butylbenzene	13.615	91	386693	19.613	ug/l	99
90) Hexachloroethane	13.877	117	97445	20.022	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	217274	19.278	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11766	17.656	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	122058	17.372	ug/l	100
94) Hexachlorobutadiene	15.023	225	83673	19.104	ug/l	100
95) Naphthalene	15.145	128	169222	15.125	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	104325	17.142	ug/l	100

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

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