

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102925\
 Data File : VY023613.D
 Acq On : 29 Oct 2025 10:14
 Operator : SY/MD
 Sample : VY1029SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 03:13:39 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	7.707	168	459930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	674240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	591225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	314944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	183665	47.755	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.500%		
35) Dibromofluoromethane	7.634	113	210087	50.710	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.420%		
50) Toluene-d8	10.109	98	781749	50.669	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.340%		
62) 4-Bromofluorobenzene	12.402	95	254685	50.000	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	69017	20.848	ug/l	98
3) Chloromethane	2.074	50	92015	20.403	ug/l	96
4) Vinyl Chloride	2.208	62	122211	20.805	ug/l	100
5) Bromomethane	2.598	94	106946	21.696	ug/l	95
6) Chloroethane	2.739	64	87157	21.767	ug/l	97
7) Trichlorofluoromethane	3.056	101	175081	21.467	ug/l	99
8) Diethyl Ether	3.458	74	42136	19.771	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	96474	22.795	ug/l	99
10) Methyl Iodide	4.007	142	96092	20.395	ug/l	99
11) Tert butyl alcohol	4.860	59	28999	101.352	ug/l #	93
12) 1,1-Dichloroethene	3.793	96	88436	21.556	ug/l	93
13) Acrolein	3.653	56	16795	41.542	ug/l	95
14) Allyl chloride	4.385	41	106402	21.280	ug/l	99
15) Acrylonitrile	5.061	53	80102	98.214	ug/l	98
16) Acetone	3.867	43	122264	133.533	ug/l	93
17) Carbon Disulfide	4.110	76	245079	20.871	ug/l	99
18) Methyl Acetate	4.391	43	41086	17.106	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	196113	19.889	ug/l	95
20) Methylene Chloride	4.622	84	100970	20.394	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	99460	22.019	ug/l	98
22) Diisopropyl ether	6.019	45	248766	22.493	ug/l	97
23) Vinyl Acetate	5.964	43	614929	102.720	ug/l	99
24) 1,1-Dichloroethane	5.915	63	166746	22.760	ug/l	96
25) 2-Butanone	6.896	43	126853	113.483	ug/l	92
26) 2,2-Dichloropropane	6.884	77	155241	23.093	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	117045	22.433	ug/l	97
28) Bromochloromethane	7.244	49	60462	22.107	ug/l	95
29) Tetrahydrofuran	7.262	42	57078	90.045	ug/l	97
30) Chloroform	7.421	83	183120	22.750	ug/l	97
31) Cyclohexane	7.707	56	136383	21.317	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	167845	22.946	ug/l	99
36) 1,1-Dichloropropene	7.835	75	124315	22.666	ug/l	99
37) Ethyl Acetate	6.988	43	43019	19.798	ug/l	98
38) Carbon Tetrachloride	7.817	117	154385	23.214	ug/l	97
39) Methylcyclohexane	9.110	83	152231	21.317	ug/l	97
40) Benzene	8.079	78	402878	23.194	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	22655	19.278	ug/l	96
42) 1,2-Dichloroethane	8.158	62	98621	22.015	ug/l	99
43) Isopropyl Acetate	8.201	43	84194	19.432	ug/l	97
44) Trichloroethene	8.866	130	112682	22.164	ug/l	96
45) 1,2-Dichloropropane	9.140	63	87824	22.891	ug/l	97
46) Dibromomethane	9.231	93	52372	21.588	ug/l	97
47) Bromodichloromethane	9.420	83	137980	22.583	ug/l	100
48) Methyl methacrylate	9.219	41	37795	18.568	ug/l	95
49) 1,4-Dioxane	9.231	88	10224	363.490	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	213958	95.576	ug/l	99
52) Toluene	10.170	92	257176	22.804	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	111917	21.066	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	137234	21.887	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	70673	21.663	ug/l	97
56) Ethyl methacrylate	10.439	69	71345	18.959	ug/l	98
57) 1,3-Dichloropropane	10.719	76	110314	21.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	157764	93.585	ug/l	99
59) 2-Hexanone	10.762	43	172181	107.625	ug/l	98
60) Dibromochloromethane	10.914	129	97629	21.345	ug/l	99
61) 1,2-Dibromoethane	11.018	107	63719	20.480	ug/l	99
64) Tetrachloroethene	10.646	164	136641	22.383	ug/l	98
65) Chlorobenzene	11.444	112	286554	22.285	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	102771	22.428	ug/l	99
67) Ethyl Benzene	11.518	91	465590	22.368	ug/l	99
68) m/p-Xylenes	11.627	106	377839	45.257	ug/l	99
69) o-Xylene	11.957	106	172316	22.005	ug/l	99
70) Styrene	11.969	104	283148	21.988	ug/l	99
71) Bromoform	12.133	173	57270	20.149	ug/l #	99
73) Isopropylbenzene	12.255	105	451274	21.743	ug/l	100
74) N-amyl acetate	12.066	43	67006	17.974	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	66992	19.735	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	49938m	17.972	ug/l	
77) Bromobenzene	12.530	156	117156	21.232	ug/l	99
78) n-propylbenzene	12.597	91	544309	22.662	ug/l	100
79) 2-Chlorotoluene	12.676	91	312730	22.235	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	375294	22.377	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	21105	18.625	ug/l	96
82) 4-Chlorotoluene	12.773	91	321101	22.168	ug/l	100
83) tert-Butylbenzene	12.999	119	339207	21.905	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	375358	22.425	ug/l	98
85) sec-Butylbenzene	13.176	105	497613	22.401	ug/l	100
86) p-Isopropyltoluene	13.292	119	420248	22.220	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	231288	21.525	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	226318	21.326	ug/l	98
89) n-Butylbenzene	13.615	91	359468	21.813	ug/l	99
90) Hexachloroethane	13.877	117	89076	21.897	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	199385	21.165	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10124	18.176	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	113163	19.269	ug/l	100
94) Hexachlorobutadiene	15.023	225	80826	22.078	ug/l	99
95) Naphthalene	15.145	128	154097	16.478	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	94384	18.554	ug/l	98

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

