

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023483.D
 Acq On : 16 Oct 2025 10:17
 Operator : SY/MD
 Sample : VY1016SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Quant Time: Oct 17 01:51:45 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	512746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	747160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	665790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	360043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	215147	50.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.360%			
35) Dibromofluoromethane	7.640	113	240099	52.298	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.600%			
50) Toluene-d8	10.109	98	889998	52.055	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.408	95	288541	51.118	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	79336	21.496	ug/l	98
3) Chloromethane	2.074	50	100070	19.904	ug/l	99
4) Vinyl Chloride	2.208	62	131537	20.086	ug/l	99
5) Bromomethane	2.592	94	123888	22.544	ug/l	99
6) Chloroethane	2.733	64	95145	21.315	ug/l	99
7) Trichlorofluoromethane	3.056	101	191727	21.086	ug/l	99
8) Diethyl Ether	3.464	74	48430	20.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	104669	22.184	ug/l	100
10) Methyl Iodide	4.007	142	99580	18.958	ug/l	99
11) Tert butyl alcohol	4.866	59	31480	98.691	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	94218	20.599	ug/l	91
13) Acrolein	3.659	56	32156	71.343	ug/l	100
14) Allyl chloride	4.391	41	109764	19.691	ug/l	98
15) Acrylonitrile	5.061	53	92580	101.820	ug/l	100
16) Acetone	3.873	43	151705	148.620	ug/l	96
17) Carbon Disulfide	4.110	76	270770	20.684	ug/l	99
18) Methyl Acetate	4.385	43	50712	18.939	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	222011	20.196	ug/l	99
20) Methylene Chloride	4.616	84	111628	20.224	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	106146	21.079	ug/l	97
22) Diisopropyl ether	6.025	45	257413	20.877	ug/l	95
23) Vinyl Acetate	5.964	43	685651	102.736	ug/l	99
24) 1,1-Dichloroethane	5.921	63	172973	21.178	ug/l	98
25) 2-Butanone	6.903	43	155937	125.132	ug/l	97
26) 2,2-Dichloropropane	6.890	77	163122	21.766	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	120807	20.769	ug/l	98
28) Bromochloromethane	7.250	49	65858	21.600	ug/l	100
29) Tetrahydrofuran	7.268	42	69855	98.851	ug/l	99
30) Chloroform	7.427	83	194145	21.635	ug/l	97
31) Cyclohexane	7.707	56	139906	19.615	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	173853	21.319	ug/l	99
36) 1,1-Dichloropropene	7.841	75	128905	21.209	ug/l	100
37) Ethyl Acetate	6.988	43	51421	21.355	ug/l	98
38) Carbon Tetrachloride	7.823	117	160890	21.831	ug/l	97
39) Methylcyclohexane	9.109	83	158344	20.009	ug/l	96
40) Benzene	8.085	78	413392	21.477	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	24944m	19.154	ug/l	
42) 1,2-Dichloroethane	8.158	62	105907	21.334	ug/l	99
43) Isopropyl Acetate	8.201	43	96642	20.128	ug/l #	86
44) Trichloroethene	8.866	130	120393	21.370	ug/l	93
45) 1,2-Dichloropropane	9.146	63	91191	21.449	ug/l	97
46) Dibromomethane	9.237	93	58994	21.944	ug/l	96
47) Bromodichloromethane	9.426	83	148068	21.869	ug/l	98
48) Methyl methacrylate	9.225	41	46189	20.477	ug/l	97
49) 1,4-Dioxane	9.237	88	12840	411.943	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	261718	105.500	ug/l	99
52) Toluene	10.170	92	270724	21.662	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	123163	20.920	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	147686	21.255	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	79976	22.123	ug/l	95
56) Ethyl methacrylate	10.438	69	83917	20.123	ug/l	100
57) 1,3-Dichloropropane	10.719	76	125109	21.839	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	183838	98.409	ug/l	100
59) 2-Hexanone	10.762	43	216617	122.187	ug/l	99
60) Dibromochloromethane	10.914	129	111370	21.973	ug/l	98
61) 1,2-Dibromoethane	11.018	107	74189	21.518	ug/l	99
64) Tetrachloroethene	10.646	164	152325	22.158	ug/l	98
65) Chlorobenzene	11.444	112	303914	20.988	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	110136	21.343	ug/l	99
67) Ethyl Benzene	11.524	91	479286	20.448	ug/l	98
68) m/p-Xylenes	11.633	106	395611	42.079	ug/l	100
69) o-Xylene	11.957	106	180064	20.419	ug/l	99
70) Styrene	11.969	104	303879	20.955	ug/l	100
71) Bromoform	12.133	173	69331	21.660	ug/l #	99
73) Isopropylbenzene	12.255	105	466166	19.647	ug/l	99
74) N-amyl acetate	12.072	43	79048	18.548	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	79307	20.436	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	62608m	19.709	ug/l	
77) Bromobenzene	12.536	156	125680	19.924	ug/l	99
78) n-propylbenzene	12.597	91	555598	20.235	ug/l	100
79) 2-Chlorotoluene	12.682	91	321611	20.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	385277	20.094	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25642	19.795	ug/l	98
82) 4-Chlorotoluene	12.780	91	339540	20.504	ug/l	99
83) tert-Butylbenzene	12.999	119	343516	19.404	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	390148	20.389	ug/l	99
85) sec-Butylbenzene	13.176	105	511595	20.146	ug/l	99
86) p-Isopropyltoluene	13.292	119	431551	19.959	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	248160	20.203	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	244835	20.181	ug/l	99
89) n-Butylbenzene	13.621	91	368537	19.562	ug/l	99
90) Hexachloroethane	13.877	117	96326	20.713	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	218744	20.312	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13067	20.521	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	127319	18.964	ug/l	99
94) Hexachlorobutadiene	15.023	225	82853	19.797	ug/l	99
95) Naphthalene	15.145	128	184817	17.287	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	107432	18.474	ug/l	99

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

