

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023580.D
 Acq On : 24 Oct 2025 17:58
 Operator : SY/MD
 Sample : Q3419-02MS
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR-132-S16-015094-20251021MS

Quant Time: Oct 24 23:55:49 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 :Amit Patel 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	271890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	386012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	249668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	120955	53.200	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.400%			
35) Dibromofluoromethane	7.640	113	124451	52.470	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.940%			
50) Toluene-d8	10.109	98	375970	42.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 85.120%			
62) 4-Bromofluorobenzene	12.407	95	82232	28.198	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 56.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	123303	63.005	ug/l	99
3) Chloromethane	2.074	50	142826	53.573	ug/l	97
4) Vinyl Chloride	2.208	62	208355	60.002	ug/l	97
5) Bromomethane	2.598	94	109512	37.581	ug/l	100
6) Chloroethane	2.738	64	148217	62.618	ug/l	100
7) Trichlorofluoromethane	3.062	101	316598	65.665	ug/l	99
8) Diethyl Ether	3.458	74	89273	70.860	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	141888	56.712	ug/l	98
10) Methyl Iodide	4.013	142	66058	23.717	ug/l	99
11) Tert butyl alcohol	4.860	59	72888	430.929	ug/l	99
12) 1,1-Dichloroethene	3.793	96	160081	66.004	ug/l	96
13) Acrolein	3.665	56	1782	7.456	ug/l #	78
14) Allyl chloride	4.391	41	135719	45.916	ug/l	99
15) Acrylonitrile	5.061	53	194034	402.443	ug/l	99
16) Acetone	3.872	43	251825	465.250	ug/l	96
17) Carbon Disulfide	4.110	76	332900	47.958	ug/l	98
18) Methyl Acetate	4.391	43	249670	175.841	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	437575	75.068	ug/l	97
20) Methylene Chloride	4.622	84	187168	63.948	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	147659	55.299	ug/l	98
22) Diisopropyl ether	6.024	45	402936	61.629	ug/l	95
23) Vinyl Acetate	5.970	43	176253	49.804	ug/l	95
24) 1,1-Dichloroethane	5.921	63	279950	64.640	ug/l	99
25) 2-Butanone	6.896	43	283296	428.715	ug/l	98
26) 2,2-Dichloropropane	6.890	77	245108	61.678	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	186769	60.553	ug/l	96
28) Bromochloromethane	7.250	49	69155	42.773	ug/l	94
29) Tetrahydrofuran	7.268	42	158444	422.831	ug/l	94
30) Chloroform	7.427	83	313842	65.956	ug/l	97
31) Cyclohexane	7.707	56	115020	30.411	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	272172	62.941	ug/l	99
36) 1,1-Dichloropropene	7.841	75	179266	57.089	ug/l	99
37) Ethyl Acetate	6.988	43	78675	63.243	ug/l	96
38) Carbon Tetrachloride	7.817	117	132420	34.778	ug/l	94
39) Methylcyclohexane	9.109	83	66748	16.326	ug/l	97
40) Benzene	8.085	78	632004	63.553	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	55231	82.089	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	179164	69.858	ug/l	99
43) Isopropyl Acetate	8.201	43	176116	70.997	ug/l	99
44) Trichloroethene	8.872	130	180969	62.175	ug/l	100
45) 1,2-Dichloropropane	9.146	63	140373	63.908	ug/l	97
46) Dibromomethane	9.231	93	98831	71.157	ug/l	98
47) Bromodichloromethane	9.426	83	210037	60.045	ug/l	99
48) Methyl methacrylate	9.225	41	97244	83.445	ug/l	91
49) 1,4-Dioxane	9.231	88	29028	1802.611	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	558124	435.476	ug/l	98
52) Toluene	10.170	92	340114	52.676	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	94649	31.118	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	92845	25.864	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	139759	74.829	ug/l	98
56) Ethyl methacrylate	10.438	69	135479	62.883	ug/l	96
57) 1,3-Dichloropropane	10.719	76	207123	69.983	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	350506	363.168	ug/l	99
59) 2-Hexanone	10.761	43	375076	409.508	ug/l	96
60) Dibromochloromethane	10.914	129	151716	57.938	ug/l	99
61) 1,2-Dibromoethane	11.017	107	117891	66.185	ug/l	99
64) Tetrachloroethene	10.646	164	129361	50.180	ug/l	99
65) Chlorobenzene	11.444	112	306560	56.455	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	114295	59.065	ug/l	99
67) Ethyl Benzene	11.517	91	414287	47.133	ug/l	97
68) m/p-Xylenes	11.627	106	320246	90.836	ug/l	100
69) o-Xylene	11.956	106	155319	46.969	ug/l	99
70) Styrene	11.969	104	232107	42.682	ug/l	99
71) Bromoform	12.133	173	87609	72.989	ug/l #	100
73) Isopropylbenzene	12.255	105	262027	49.659	ug/l	99
74) N-amyl acetate	12.072	43	33094	34.919	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	121863	141.207	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	77567m	109.805	ug/l	
77) Bromobenzene	12.529	156	101958	72.684	ug/l	93
78) n-propylbenzene	12.596	91	237385	38.877	ug/l	99
79) 2-Chlorotoluene	12.682	91	171658	48.007	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	151905	35.627	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	7609	26.414	ug/l	93
82) 4-Chlorotoluene	12.773	91	175602	47.685	ug/l	99
83) tert-Butylbenzene	12.999	119	123521	31.376	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	158575	37.266	ug/l	99
85) sec-Butylbenzene	13.176	105	129955	23.012	ug/l	99
86) p-Isopropyltoluene	13.291	119	103491	21.524	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	104101	38.110	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	108993	40.400	ug/l	98
89) n-Butylbenzene	13.615	91	64229	15.331	ug/l	99
90) Hexachloroethane	13.877	117	5641	5.455	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	101845	42.526	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	16707	117.984	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	19425	13.011	ug/l	92
94) Hexachlorobutadiene	15.023	225	5601	6.018	ug/l	96
95) Naphthalene	15.139	128	79755	33.546	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	17795	13.760	ug/l	97

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

