

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102925\
 Data File : VY023615.D
 Acq On : 29 Oct 2025 11:15
 Operator : SY/MD
 Sample : Q3419-02MS
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 30 03:15:05 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 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	255023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	349654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	239008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	99603	46.706	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.420%		
35) Dibromofluoromethane	7.634	113	99026	46.092	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.180%		
50) Toluene-d8	10.109	98	309005	38.620	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	77.240%		
62) 4-Bromofluorobenzene	12.407	95	74498	28.202	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	56.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	73799	40.204	ug/l	100
3) Chloromethane	2.074	50	88300	35.311	ug/l	99
4) Vinyl Chloride	2.208	62	124297	38.163	ug/l	98
5) Bromomethane	2.598	94	90122	32.972	ug/l	99
6) Chloroethane	2.738	64	85972	38.724	ug/l	98
7) Trichlorofluoromethane	3.062	101	190087	42.033	ug/l	97
8) Diethyl Ether	3.458	74	52443	44.379	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	99120	42.238	ug/l	99
10) Methyl Iodide	4.007	142	74563	28.541	ug/l	100
11) Tert butyl alcohol	4.860	59	50005	315.193	ug/l	99
12) 1,1-Dichloroethene	3.793	96	91637	40.282	ug/l	96
13) Acrolein	3.665	56	1945	8.676	ug/l	95
14) Allyl chloride	4.385	41	99640	35.940	ug/l	96
15) Acrylonitrile	5.061	53	155873	344.676	ug/l	99
16) Acetone	3.866	43	219042	431.448	ug/l	99
17) Carbon Disulfide	4.110	76	261566	40.173	ug/l	99
18) Methyl Acetate	4.385	43	119567	89.780	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	267628	48.949	ug/l	98
20) Methylene Chloride	4.616	84	118626	43.211	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	92604	36.974	ug/l	96
22) Diisopropyl ether	6.024	45	270802	44.158	ug/l	99
23) Vinyl Acetate	5.964	43	593476	178.791	ug/l	99
24) 1,1-Dichloroethane	5.921	63	164254	40.434	ug/l	98
25) 2-Butanone	6.896	43	217964	351.663	ug/l	97
26) 2,2-Dichloropropane	6.890	77	157485	42.250	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	110751	38.282	ug/l	98
28) Bromochloromethane	7.244	49	70554	46.525	ug/l	96
29) Tetrahydrofuran	7.262	42	114792	326.600	ug/l	99
30) Chloroform	7.421	83	180808	40.511	ug/l	100
31) Cyclohexane	7.707	56	106366	29.983	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	163371	40.279	ug/l	99
36) 1,1-Dichloropropene	7.835	75	115673	40.668	ug/l	100
37) Ethyl Acetate	6.982	43	76357	67.762	ug/l	98
38) Carbon Tetrachloride	7.823	117	133193	38.619	ug/l	100
39) Methylcyclohexane	9.109	83	87065	23.510	ug/l	95
40) Benzene	8.085	78	371961	41.293	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	42672m	70.018	ug/l	
42) 1,2-Dichloroethane	8.158	62	114257	49.183	ug/l	100
43) Isopropyl Acetate	8.201	43	134302	59.771	ug/l	99
44) Trichloroethene	8.865	130	99459	37.724	ug/l	99
45) 1,2-Dichloropropane	9.140	63	86339	43.395	ug/l	96
46) Dibromomethane	9.231	93	61813	49.133	ug/l	97
47) Bromodichloromethane	9.420	83	136995	43.236	ug/l	99
48) Methyl methacrylate	9.225	41	62443	59.154	ug/l	99
49) 1,4-Dioxane	9.225	88	21387	1466.213	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	398597	343.344	ug/l	99
52) Toluene	10.170	92	216049	36.940	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	109584	39.775	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	121022	37.219	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	86106	50.896	ug/l	96
56) Ethyl methacrylate	10.438	69	104290	53.440	ug/l	99
57) 1,3-Dichloropropane	10.719	76	132485	49.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	307797	352.078	ug/l	98
59) 2-Hexanone	10.761	43	271277	326.978	ug/l	99
60) Dibromochloromethane	10.908	129	105421	44.445	ug/l	99
61) 1,2-Dibromoethane	11.017	107	79987	49.574	ug/l	99
64) Tetrachloroethene	10.646	164	92955	37.666	ug/l	99
65) Chlorobenzene	11.444	112	210974	40.585	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	86485	46.687	ug/l	98
67) Ethyl Benzene	11.517	91	309393	36.769	ug/l	99
68) m/p-Xylenes	11.627	106	239841	71.064	ug/l	97
69) o-Xylene	11.956	106	114577	36.194	ug/l	98
70) Styrene	11.969	104	180176	34.611	ug/l	99
71) Bromoform	12.133	173	65625	57.112	ug/l	98
73) Isopropylbenzene	12.255	105	247766	46.547	ug/l	99
74) N-amyl acetate	12.072	43	70454	73.690	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	86561	99.426	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	70903m	99.496	ug/l	
77) Bromobenzene	12.529	156	76974	54.394	ug/l	89
78) n-propylbenzene	12.596	91	256570	41.652	ug/l	100
79) 2-Chlorotoluene	12.682	91	158522	43.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	165193	38.405	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	18342	63.116	ug/l	97
82) 4-Chlorotoluene	12.773	91	163969	44.138	ug/l	100
83) tert-Butylbenzene	12.993	119	151151	38.059	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	166835	38.865	ug/l	99
85) sec-Butylbenzene	13.176	105	193717	34.003	ug/l	98
86) p-Isopropyltoluene	13.291	119	151875	31.311	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	106514	38.653	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	109007	40.052	ug/l	97
89) n-Butylbenzene	13.615	91	117679	27.843	ug/l	98
90) Hexachloroethane	13.883	117	26150	25.065	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	99840	41.325	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13082	91.578	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	33068	21.955	ug/l	95
94) Hexachlorobutadiene	15.023	225	14331	15.264	ug/l	98
95) Naphthalene	15.145	128	95477	39.808	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	29207	22.388	ug/l	96

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

