

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023547.D
 Acq On : 22 Oct 2025 11:28
 Operator : SY/MD
 Sample : Q3395-04MSD
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S07-000102-20251017MSD

Quant Time: Oct 24 02:34:25 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 10/24/2025
 Supervised By :Mahesh Dadoda 10/24/2025

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

Internal Standards								
1) Pentafluorobenzene			7.713	168	147764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene			8.615	114	215194	50.000	ug/l	0.00
63) Chlorobenzene-d5			11.420	117	215956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4			13.346	152	152907	50.000	ug/l	0.00
System Monitoring Compounds								
33) 1,2-Dichloroethane-d4			8.067	65	63651	51.513	ug/l	0.00
Spiked Amount 50.000			Range 50	- 163	Recovery	=	103.020%	
35) Dibromofluoromethane			7.640	113	65579	49.596	ug/l	0.00
Spiked Amount 50.000			Range 54	- 147	Recovery	=	99.200%	
50) Toluene-d8			10.109	98	375923	76.341	ug/l	0.00
Spiked Amount 50.000			Range 58	- 134	Recovery	=	152.680%#	
62) 4-Bromofluorobenzene			12.401	95	180916	111.283	ug/l	0.00
Spiked Amount 50.000			Range 30	- 143	Recovery	=	222.560%#	
Target Compounds								
								Qvalue
2) Dichlorodifluoromethane			1.867	85	30836	28.992	ug/l	99
3) Chloromethane			2.074	50	36564	25.236	ug/l	98
4) Vinyl Chloride			2.208	62	39086	20.711	ug/l	99
5) Bromomethane			2.604	94	5625	3.552	ug/l #	79
6) Chloroethane			2.744	64	41077	31.932	ug/l	91
7) Trichlorofluoromethane			3.061	101	113989	43.503	ug/l	100
8) Diethyl Ether			3.458	74	41437	60.519	ug/l	97
9) 1,1,2-Trichlorotrifluo...			3.817	101	76628	56.356	ug/l	99
10) Methyl Iodide			4.013	142	2704	1.786	ug/l #	88
11) Tert butyl alcohol			4.866	59	53256	579.352	ug/l	100
12) 1,1-Dichloroethene			3.787	96	55226	41.899	ug/l	98
13) Acrolein			3.653	56	684	5.266	ug/l #	15
14) Allyl chloride			4.336	41	13491m	8.398	ug/l	
15) Acrylonitrile			5.061	53	97068	370.448	ug/l	96
16) Acetone			3.872	43	276994	941.634	ug/l	98
17) Carbon Disulfide			4.110	76	86997	23.061	ug/l	98
18) Methyl Acetate			4.384	43	229265	297.110	ug/l	98
19) Methyl tert-butyl Ether			5.122	73	209971	66.280	ug/l	94
20) Methylene Chloride			4.616	84	71767	45.118	ug/l	99
21) trans-1,2-Dichloroethene			5.116	96	28095	19.360	ug/l	95
22) Diisopropyl ether			6.024	45	157947	44.451	ug/l	98
23) Vinyl Acetate			6.024	43	94053	48.902	ug/l #	69
24) 1,1-Dichloroethane			5.921	63	114215	48.525	ug/l	99
25) 2-Butanone			6.896	43	231831	645.541	ug/l	98
26) 2,2-Dichloropropane			6.884	77	86356	39.984	ug/l	99
27) cis-1,2-Dichloroethene			6.890	96	58198	34.718	ug/l	99
28) Bromochloromethane			7.250	49	35092	39.937	ug/l	93
29) Tetrahydrofuran			7.268	42	109032	535.389	ug/l	96
30) Chloroform			7.427	83	142448	55.084	ug/l	100
31) Cyclohexane			7.707	56	102714	49.971	ug/l	96
32) 1,1,1-Trichloroethane			7.622	97	128350	54.615	ug/l	98
36) 1,1-Dichloropropene			7.841	75	90454	51.672	ug/l	99
37) Ethyl Acetate			6.988	43	9408m	13.566	ug/l	
39) Methylcyclohexane			9.109	83	404152	177.319	ug/l	94
40) Benzene			8.085	78	340322	61.388	ug/l	100
41) Methacrylonitrile			7.231	41	39596m	105.566	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.158	62	78369	54.813	ug/l	84
43) Isopropyl Acetate	8.195	43	36725	26.557	ug/l #	67
44) Trichloroethene	8.865	130	111864	68.941	ug/l	98
45) 1,2-Dichloropropane	9.146	63	76372	62.370	ug/l	98
46) Dibromomethane	9.231	93	41213	53.227	ug/l	96
47) Bromodichloromethane	9.426	83	53375	27.371	ug/l	97
48) Methyl methacrylate	9.225	41	78275	120.485	ug/l	99
49) 1,4-Dioxane	9.231	88	23089	2571.939	ug/l #	91
51) 4-Methyl-2-Pentanone	9.999	43	389384	544.982	ug/l	99
52) Toluene	10.170	92	233066	64.749	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	5402	3.186	ug/l #	53
54) cis-1,3-Dichloropropene	9.865	75	2636	1.317	ug/l #	1
55) 1,1,2-Trichloroethane	10.548	97	297804	286.015	ug/l #	25
56) Ethyl methacrylate	10.444	69	70601	58.782	ug/l #	24
57) 1,3-Dichloropropane	10.719	76	110480	66.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	197650	367.349	ug/l	98
59) 2-Hexanone	10.731	43	816661	1599.396	ug/l #	20
60) Dibromochloromethane	10.914	129	23875	16.355	ug/l	82
61) 1,2-Dibromoethane	11.017	107	46964	47.295	ug/l #	67
64) Tetrachloroethene	10.652	164	100105	44.893	ug/l	97
65) Chlorobenzene	11.444	112	247355	52.663	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	8685	5.189	ug/l	96
67) Ethyl Benzene	11.517	91	393710	51.784	ug/l	100
68) m/p-Xylenes	11.627	106	338718	111.073	ug/l	99
69) o-Xylene	11.956	106	211180	73.830	ug/l	97
70) Styrene	11.968	104	222408	47.283	ug/l	93
71) Bromoform	12.133	173	16393	15.789	ug/l #	99
73) Isopropylbenzene	12.255	105	322253	31.980	ug/l	100
74) N-amyl acetate	12.048	43	980730	541.858	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.505	83	206685	125.406	ug/l #	70
76) 1,2,3-Trichloropropane	12.560	75	78069	57.870	ug/l #	100
77) Bromobenzene	12.529	156	90454	33.765	ug/l #	51
78) n-propylbenzene	12.596	91	314308	26.954	ug/l	98
79) 2-Chlorotoluene	12.682	91	236851	34.685	ug/l	89
80) 1,3,5-Trimethylbenzene	12.737	105	422943	51.941	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.249	75	3822	6.947	ug/l #	1
82) 4-Chlorotoluene	12.779	91	200406	28.497	ug/l	85
83) tert-Butylbenzene	12.999	119	165516	22.015	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	434111	53.420	ug/l	100
85) sec-Butylbenzene	13.176	105	254522	23.600	ug/l	88
86) p-Isopropyltoluene	13.291	119	256640	27.949	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	116461	22.325	ug/l #	1
88) 1,4-Dichlorobenzene	13.364	146	116362	22.585	ug/l #	1
89) n-Butylbenzene	13.614	91	141797	17.722	ug/l #	77
90) Hexachloroethane	13.895	117	32878	16.647	ug/l #	6
91) 1,2-Dichlorobenzene	13.657	146	108511	23.725	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13874	51.304	ug/l	72
93) 1,2,4-Trichlorobenzene	14.919	180	36041	12.640	ug/l #	1
94) Hexachlorobutadiene	15.023	225	10666	6.001	ug/l	98
95) Naphthalene	15.145	128	251003	55.283	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.352	180	30971	12.540	ug/l #	12

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

