Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102925\
Data File : VY023611.D
Acq On : 29 Oct 2025 09:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 30 03:12:30 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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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	470846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	675387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	593203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	313750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	179345	45.550	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.100%			
35) Dibromofluoromethane	7.634	113	206649	49.796	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.600%			
50) Toluene-d8	10.109	98	753161	48.733	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.460%			
62) 4-Bromofluorobenzene	12.408	95	256905	50.350	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	145975	43.072	ug/l	100
3) Chloromethane	2.074	50	208918	45.251	ug/l	99
4) Vinyl Chloride	2.208	62	284920	47.381	ug/l	99
5) Bromomethane	2.598	94	235304	46.628	ug/l	99
6) Chloroethane	2.739	64	209034	50.996	ug/l	99
7) Trichlorofluoromethane	3.056	101	425176	50.923	ug/l	100
8) Diethyl Ether	3.458	74	104882	48.072	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	233030	53.784	ug/l	98
10) Methyl Iodide	4.007	142	268108	55.585	ug/l	100
11) Tert butyl alcohol	4.860	59	65970	225.222	ug/l	100
12) 1,1-Dichloroethene	3.787	96	214587	51.091	ug/l	95
13) Acrolein	3.653	56	20388	49.259	ug/l	97
14) Allyl chloride	4.385	41	269403	52.631	ug/l	99
15) Acrylonitrile	5.061	53	206176	246.933	ug/l	99
16) Acetone	3.866	43	233683	249.304	ug/l	99
17) Carbon Disulfide	4.110	76	574162	47.763	ug/l	99
18) Methyl Acetate	4.391	43	141577	57.579	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	510026	50.525	ug/l	99
20) Methylene Chloride	4.616	84	239936	47.338	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	243821	52.728	ug/l	94
22) Diisopropyl ether	6.018	45	624721	55.176	ug/l	97
23) Vinyl Acetate	5.964	43	1518701	247.808	ug/l	98
24) 1,1-Dichloroethane	5.921	63	408054	54.407	ug/l	99
25) 2-Butanone	6.896	43	273695	239.171	ug/l	98
26) 2,2-Dichloropropane	6.890	77	379590	55.157	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	292237	54.711	ug/l	98
28) Bromochloromethane	7.244	49	132155	47.200	ug/l	97
29) Tetrahydrofuran	7.262	42	154166	237.571	ug/l	99
30) Chloroform	7.421	83	458871	55.687	ug/l	99
31) Cyclohexane	7.701	56	322364	49.218	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	408871	54.600	ug/l	99
36) 1,1-Dichloropropene	7.835	75	307905	56.043	ug/l	99
37) Ethyl Acetate	6.988	43	102499	47.091	ug/l	98
38) Carbon Tetrachloride	7.817	117	373199	56.020	ug/l	98
39) Methylcyclohexane	9.109	83	388087	54.252	ug/l	99
40) Benzene	8.079	78	974732	56.021	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	63776m	54.176	ug/l		
42) 1,2-Dichloroethane	8.158	62	240499	53.596	ug/l		99
43) Isopropyl Acetate	8.195	43	211787	48.797	ug/l		99
44) Trichloroethene	8.865	130	278306	54.649	ug/l		100
45) 1,2-Dichloropropane	9.140	63	217885	56.695	ug/l		98
46) Dibromomethane	9.231	93	131285	54.024	ug/l		97
47) Bromodichloromethane	9.426	83	344619	56.307	ug/l		99
48) Methyl methacrylate	9.219	41	103013	50.522	ug/l		98
49) 1,4-Dioxane	9.225	88	26955	956.692	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	575238	256.525	ug/l		99
52) Toluene	10.170	92	641642	56.797	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	286487	53.834	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	342654	54.555	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	180546	55.249	ug/l		94
56) Ethyl methacrylate	10.438	69	198232	52.588	ug/l		100
57) 1,3-Dichloropropane	10.719	76	281433	54.348	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	437268	258.945	ug/l		99
59) 2-Hexanone	10.761	43	407233	254.118	ug/l		100
60) Dibromochloromethane	10.914	129	251692	54.935	ug/l		100
61) 1,2-Dibromoethane	11.011	107	166977	53.577	ug/l		98
64) Tetrachloroethene	10.646	164	335349	54.750	ug/l		97
65) Chlorobenzene	11.438	112	711442	55.143	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	256102	55.703	ug/l		99
67) Ethyl Benzene	11.517	91	1208583	57.871	ug/l		100
68) m/p-Xylenes	11.627	106	977299	116.670	ug/l		98
69) o-Xylene	11.956	106	458629	58.372	ug/l		100
70) Styrene	11.969	104	758755	58.725	ug/l		100
71) Bromoform	12.133	173	149736	52.504	ug/l	#	98
73) Isopropylbenzene	12.255	105	1193321	57.714	ug/l		99
74) N-amyl acetate	12.072	43	178205	47.984	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	175286	51.832	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	129604m	46.820	ug/l		
77) Bromobenzene	12.529	156	295379	53.736	ug/l		98
78) n-propylbenzene	12.597	91	1404994	58.720	ug/l		100
79) 2-Chlorotoluene	12.676	91	796552	56.850	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	980015	58.655	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	56099	49.696	ug/l		97
82) 4-Chlorotoluene	12.773	91	818198	56.700	ug/l		99
83) tert-Butylbenzene	12.999	119	899914	58.335	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	977462	58.620	ug/l		99
85) sec-Butylbenzene	13.176	105	1305516	58.994	ug/l		100
86) p-Isopropyltoluene	13.291	119	1110772	58.953	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	583571	54.518	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	572156	54.121	ug/l		99
89) n-Butylbenzene	13.615	91	967606	58.938	ug/l		99
90) Hexachloroethane	13.877	117	226930	55.998	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	506280	53.948	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	25662	46.247	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	299480	51.188	ug/l		99
94) Hexachlorobutadiene	15.023	225	200284	54.917	ug/l		100
95) Naphthalene	15.145	128	450812	48.389	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	255209	50.361	ug/l		100

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

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

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