Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023665.D
Acq On : 04 Nov 2025 11:05
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 04:29:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:24:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	565663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	831963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	740642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	370503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	480881	99.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.320%#			
35) Dibromofluoromethane	7.634	113	529343	101.812	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 203.620%#			
50) Toluene-d8	10.109	98	2036678	105.160	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.320%#			
62) 4-Bromofluorobenzene	12.402	95	665813	106.305	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 212.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	321162	86.493	ug/l	99
3) Chloromethane	2.074	50	479848	92.348	ug/l	99
4) Vinyl Chloride	2.208	62	629525	93.106	ug/l	99
5) Bromomethane	2.592	94	525066	92.319	ug/l	98
6) Chloroethane	2.733	64	445045	95.235	ug/l	99
7) Trichlorofluoromethane	3.056	101	884872	92.924	ug/l	100
8) Diethyl Ether	3.458	74	260634	102.064	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	496959	94.721	ug/l	100
10) Methyl Iodide	4.007	142	661306	106.741	ug/l	99
11) Tert butyl alcohol	4.860	59	149691	481.121	ug/l	98
12) 1,1-Dichloroethene	3.793	96	499345	98.802	ug/l	100
13) Acrolein	3.653	56	191158	478.014	ug/l	99
14) Allyl chloride	4.385	41	652452	106.061	ug/l	99
15) Acrylonitrile	5.061	53	521023	533.895	ug/l	99
16) Acetone	3.866	43	591155	492.879	ug/l	100
17) Carbon Disulfide	4.110	76	1505201	97.036	ug/l	99
18) Methyl Acetate	4.385	43	289722	109.515	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	1280442	109.260	ug/l	100
20) Methylene Chloride	4.616	84	538051	92.927	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	576752	101.211	ug/l	97
22) Diisopropyl ether	6.025	45	1476751	107.734	ug/l	98
23) Vinyl Acetate	5.964	43	4052575	554.021	ug/l	99
24) 1,1-Dichloroethane	5.921	63	920205	100.771	ug/l	99
25) 2-Butanone	6.890	43	716857	516.946	ug/l	100
26) 2,2-Dichloropropane	6.890	77	836165	99.545	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	677651	104.123	ug/l	100
28) Bromochloromethane	7.250	49	351637	100.569	ug/l	99
29) Tetrahydrofuran	7.262	42	407174	551.338	ug/l	98
30) Chloroform	7.421	83	1015475	99.668	ug/l	100
31) Cyclohexane	7.701	56	785863	98.820	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	908433	99.760	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702866	101.168	ug/l	99
37) Ethyl Acetate	6.988	43	287737	106.984	ug/l	99
38) Carbon Tetrachloride	7.817	117	821264	100.329	ug/l	99
39) Methylcyclohexane	9.109	83	946648	106.639	ug/l	99
40) Benzene	8.079	78	2238265	102.208	ug/l	100

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	162465	113.249 ug/l	97
42) 1,2-Dichloroethane	8.158	62	564693	101.924 ug/l	99
43) Isopropyl Acetate	8.201	43	559293	110.678 ug/l #	87
44) Trichloroethene	8.866	130	626949	99.676 ug/l	97
45) 1,2-Dichloropropane	9.140	63	494430	102.300 ug/l	99
46) Dibromomethane	9.231	93	308450	103.001 ug/l	99
47) Bromodichloromethane	9.426	83	780217	103.338 ug/l	98
48) Methyl methacrylate	9.219	41	273819	114.688 ug/l	98
49) 1,4-Dioxane	9.231	88	66284	2162.837 ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	1509447	561.674 ug/l	99
52) Toluene	10.170	92	1494139	106.868 ug/l	98
53) t-1,3-Dichloropropene	10.396	75	708290	110.869 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	824093	107.667 ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	414987	103.695 ug/l	96
56) Ethyl methacrylate	10.438	69	529329	120.046 ug/l	98
57) 1,3-Dichloropropane	10.719	76	663870	104.582 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1213712	599.849 ug/l	99
59) 2-Hexanone	10.762	43	1099726	560.896 ug/l	99
60) Dibromochloromethane	10.914	129	577908	105.098 ug/l	100
61) 1,2-Dibromoethane	11.018	107	396076	105.457 ug/l	99
64) Tetrachloroethene	10.646	164	741118	96.137 ug/l	99
65) Chlorobenzene	11.438	112	1639055	101.655 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	583207	102.290 ug/l	99
67) Ethyl Benzene	11.518	91	2825731	108.283 ug/l	99
68) m/p-Xylenes	11.627	106	2241551	214.992 ug/l	99
69) o-Xylene	11.950	106	1062605	110.253 ug/l	99
70) Styrene	11.969	104	1753830	110.290 ug/l	100
71) Bromoform	12.133	173	351826	105.656 ug/l	99
73) Isopropylbenzene	12.255	105	2698043	108.880 ug/l	100
74) N-amyl acetate	12.066	43	491427	117.135 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	421715	106.557 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	294519m	98.221 ug/l	
77) Bromobenzene	12.530	156	677938	105.471 ug/l	98
78) n-propylbenzene	12.591	91	3116044	106.906 ug/l	99
79) 2-Chlorotoluene	12.676	91	1783319	105.435 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	2181015	108.328 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	142192	107.168 ug/l	99
82) 4-Chlorotoluene	12.773	91	1818934	104.277 ug/l	100
83) tert-Butylbenzene	12.993	119	2013210	109.789 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2172108	108.924 ug/l	99
85) sec-Butylbenzene	13.176	105	2838051	107.306 ug/l	100
86) p-Isopropyltoluene	13.286	119	2438892	108.929 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	1292429	102.159 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1243927	100.096 ug/l	99
89) n-Butylbenzene	13.615	91	2131963	109.503 ug/l	98
90) Hexachloroethane	13.877	117	492034	102.262 ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1107343	101.567 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	64052	105.113 ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	691314	110.855 ug/l	100
94) Hexachlorobutadiene	15.023	225	415145	101.602 ug/l	99
95) Naphthalene	15.139	128	1145310	99.258 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	579136	111.152 ug/l	99

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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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