Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
Data File : VW032322.D
Acq On : 02 Oct 2025 10:53
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 02 21:32:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	303983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	550095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	496155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	241629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	209066	47.153	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 94.300%			
35) Dibromofluoromethane	7.898	113	172865	48.524	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.040%			
50) Toluene-d8	10.325	98	661183	50.287	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.617	95	242552	48.807	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	79871	41.871	ug/l	95
3) Chloromethane	2.253	50	126543	42.993	ug/l	97
4) Vinyl Chloride	2.405	62	179230	51.005	ug/l	93
5) Bromomethane	2.820	94	121357	46.995	ug/l	95
6) Chloroethane	2.966	64	113961	49.122	ug/l	100
7) Trichlorofluoromethane	3.302	101	124514	47.326	ug/l	93
8) Diethyl Ether	3.722	74	111365	48.847	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.094	101	157649	49.957	ug/l	93
10) Methyl Iodide	4.301	142	227880	50.610	ug/l	98
11) Tert butyl alcohol	5.204	59	90176	268.695	ug/l	95
12) 1,1-Dichloroethene	4.070	96	176001	51.373	ug/l	97
13) Acrolein	3.929	56	124133	227.904	ug/l	99
14) Allyl chloride	4.698	41	294731	50.934	ug/l	90
15) Acrylonitrile	5.393	53	288905	243.584	ug/l	98
16) Acetone	4.155	43	307908	250.804	ug/l	99
17) Carbon Disulfide	4.423	76	490993	52.526	ug/l	99
18) Methyl Acetate	4.704	43	153265	43.581	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	341192	50.564	ug/l	97
20) Methylene Chloride	4.948	84	220995	54.902	ug/l	93
21) trans-1,2-Dichloroethene	5.454	96	189747	50.025	ug/l	97
22) Diisopropyl ether	6.338	45	608801	50.588	ug/l	94
23) Vinyl Acetate	6.277	43	2077691	258.478	ug/l	99
24) 1,1-Dichloroethane	6.240	63	359603	49.184	ug/l	98
25) 2-Butanone	7.191	43	401861	240.342	ug/l	99
26) 2,2-Dichloropropane	7.185	77	202030	54.021	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	225769	49.547	ug/l	94
28) Bromochloromethane	7.526	49	163748	47.603	ug/l	87
29) Tetrahydrofuran	7.551	42	254385	241.927	ug/l	95
30) Chloroform	7.691	83	367490	49.561	ug/l	99
31) Cyclohexane	7.971	56	300667	48.170	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	273266	52.008	ug/l	100
36) 1,1-Dichloropropene	8.099	75	260514	51.816	ug/l	98
37) Ethyl Acetate	7.270	43	170574	50.971	ug/l	97
38) Carbon Tetrachloride	8.081	117	250420	52.930	ug/l	96
39) Methylcyclohexane	9.343	83	325576	53.686	ug/l	95
40) Benzene	8.337	78	785060	49.816	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.496	41	88641	49.150 ug/l		94
42) 1,2-Dichloroethane	8.410	62	253302	49.123 ug/l		99
43) Isopropyl Acetate	8.435	43	303008	51.041 ug/l		99
44) Trichloroethene	9.099	130	180003	48.781 ug/l		95
45) 1,2-Dichloropropane	9.374	63	194753	49.511 ug/l		98
46) Dibromomethane	9.465	93	117887	48.738 ug/l		97
47) Bromodichloromethane	9.648	83	283409	51.228 ug/l		98
48) Methyl methacrylate	9.441	41	145446	50.390 ug/l	#	91
49) 1,4-Dioxane	9.465	88	31952	966.470 ug/l	#	83
51) 4-Methyl-2-Pentanone	10.209	43	861879	250.657 ug/l		100
52) Toluene	10.392	92	503498	51.305 ug/l		98
53) t-1,3-Dichloropropene	10.605	75	276167	51.454 ug/l		96
54) cis-1,3-Dichloropropene	10.075	75	321960	52.076 ug/l		95
55) 1,1,2-Trichloroethane	10.788	97	161062	49.822 ug/l		97
56) Ethyl methacrylate	10.648	69	235930	52.141 ug/l		95
57) 1,3-Dichloropropane	10.934	76	284160	49.768 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	623659	258.981 ug/l		97
59) 2-Hexanone	10.971	43	615946	253.986 ug/l		99
60) Dibromochloromethane	11.129	129	182317	49.668 ug/l		97
61) 1,2-Dibromoethane	11.239	107	159667	50.652 ug/l		100
64) Tetrachloroethene	10.861	164	148353	49.970 ug/l		95
65) Chlorobenzene	11.654	112	548498	50.244 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.733	131	175734	51.684 ug/l		98
67) Ethyl Benzene	11.727	91	962613	52.900 ug/l		97
68) m/p-Xylenes	11.837	106	739215	105.349 ug/l		99
69) o-Xylene	12.166	106	342966	52.266 ug/l		99
70) Styrene	12.178	104	606232	52.915 ug/l		98
71) Bromoform	12.349	173	96579	49.554 ug/l	#	100
73) Isopropylbenzene	12.458	105	886623	53.633 ug/l		98
74) N-amyl acetate	12.269	43	279636	53.025 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	202120	49.242 ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	150111m	47.209 ug/l		
77) Bromobenzene	12.745	156	199369	50.031 ug/l		89
78) n-propylbenzene	12.800	91	1093992	52.979 ug/l		98
79) 2-Chlorotoluene	12.891	91	644701	51.061 ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	741535	51.876 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.513	75	67346	53.655 ug/l		91
82) 4-Chlorotoluene	12.989	91	669810	49.898 ug/l		100
83) tert-Butylbenzene	13.202	119	632261	53.908 ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	756773	52.065 ug/l		100
85) sec-Butylbenzene	13.379	105	919404	51.296 ug/l		99
86) p-Isopropyltoluene	13.495	119	783843	52.706 ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	396852	49.181 ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	397095	49.216 ug/l		99
89) n-Butylbenzene	13.818	91	770708	53.077 ug/l		99
90) Hexachloroethane	14.086	117	137562	51.605 ug/l		94
91) 1,2-Dichlorobenzene	13.867	146	363209	49.794 ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	35018	48.727 ug/l		92
93) 1,2,4-Trichlorobenzene	15.129	180	223003	50.984 ug/l		98
94) Hexachlorobutadiene	15.226	225	98260	49.136 ug/l		96
95) Naphthalene	15.360	128	555474	52.882 ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	215393	52.246 ug/l		97

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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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