

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048237.D
 Acq On : 20 Oct 2025 14:28
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX102025

Quant Time: Oct 20 16:37:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	144715	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	229650	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	201397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	99108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	92700	45.687	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.380%		
35) Dibromofluoromethane	5.367	113	76746	48.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.900%		
50) Toluene-d8	8.628	98	265898	48.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.780%		
62) 4-Bromofluorobenzene	11.061	95	97828	46.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	76365	51.331	ug/l	99
3) Chloromethane	1.301	50	74279	53.491	ug/l	99
4) Vinyl Chloride	1.380	62	71290	55.441	ug/l	99
5) Bromomethane	1.611	94	47863	54.847	ug/l	96
6) Chloroethane	1.691	64	42556	56.320	ug/l	95
7) Trichlorofluoromethane	1.892	101	128754	52.209	ug/l	97
8) Diethyl Ether	2.136	74	37292	53.742	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	83688	53.589	ug/l	96
10) Methyl Iodide	2.453	142	94222	47.994	ug/l	99
11) Tert butyl alcohol	2.934	59	45064	223.693	ug/l	98
12) 1,1-Dichloroethene	2.319	96	79070	52.043	ug/l	92
13) Acrolein	2.233	56	51257	249.473	ug/l	98
14) Allyl chloride	2.660	41	128896	51.099	ug/l	97
15) Acrylonitrile	3.050	53	182260	250.900	ug/l	100
16) Acetone	2.373	43	152988	219.789	ug/l	96
17) Carbon Disulfide	2.514	76	233630	48.792	ug/l	99
18) Methyl Acetate	2.697	43	71506	49.190	ug/l	94
19) Methyl tert-butyl Ether	3.105	73	254812	49.162	ug/l	98
20) Methylene Chloride	2.782	84	86610	51.066	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	85000	50.932	ug/l	96
22) Diisopropyl ether	3.745	45	259934	51.665	ug/l	99
23) Vinyl Acetate	3.709	43	1045584	260.168	ug/l	97
24) 1,1-Dichloroethane	3.599	63	150557	49.490	ug/l	99
25) 2-Butanone	4.532	43	209999	238.354	ug/l	97
26) 2,2-Dichloropropane	4.458	77	132433	48.230	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	98066	50.350	ug/l	96
28) Bromochloromethane	4.879	49	58764	46.587	ug/l	87
29) Tetrahydrofuran	4.977	42	127995	242.572	ug/l	95
30) Chloroform	5.074	83	157397	48.427	ug/l	99
31) Cyclohexane	5.458	56	132594	52.646	ug/l	92
32) 1,1,1-Trichloroethane	5.361	97	144706	48.309	ug/l	98
36) 1,1-Dichloropropene	5.672	75	109957	49.344	ug/l	100
37) Ethyl Acetate	4.690	43	88074	47.684	ug/l	98
38) Carbon Tetrachloride	5.659	117	132590	48.228	ug/l	99
39) Methylcyclohexane	7.360	83	138611	52.670	ug/l	94
40) Benzene	6.019	78	325041	50.241	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	48846	50.358	ug/l	95
42) 1,2-Dichloroethane	6.068	62	116893	48.963	ug/l	98
43) Isopropyl Acetate	6.318	43	151140	49.816	ug/l	95
44) Trichloroethene	7.104	130	86410	50.582	ug/l	96
45) 1,2-Dichloropropane	7.409	63	78439	50.994	ug/l	98
46) Dibromomethane	7.562	93	58616	48.913	ug/l	94
47) Bromodichloromethane	7.799	83	125388	48.459	ug/l	99
48) Methyl methacrylate	7.671	41	75812	49.519	ug/l	94
49) 1,4-Dioxane	7.635	88	20230	1000.197	ug/l	90
51) 4-Methyl-2-Pentanone	8.555	43	428393	244.897	ug/l	95
52) Toluene	8.702	92	205867	50.088	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	124683	50.004	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	134360	49.944	ug/l	93
55) 1,1,2-Trichloroethane	9.134	97	75808	49.597	ug/l	98
56) Ethyl methacrylate	9.098	69	111702	49.964	ug/l	94
57) 1,3-Dichloropropane	9.287	76	128519	49.226	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	290992	242.124	ug/l	96
59) 2-Hexanone	9.409	43	300183	246.102	ug/l	96
60) Dibromochloromethane	9.500	129	97643	47.530	ug/l	99
61) 1,2-Dibromoethane	9.592	107	80363	49.319	ug/l	97
64) Tetrachloroethene	9.256	164	73198	48.686	ug/l	95
65) Chlorobenzene	10.061	112	226953	50.095	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.140	131	81561	49.014	ug/l	99
67) Ethyl Benzene	10.177	91	391830	50.798	ug/l	99
68) m/p-Xylenes	10.281	106	293516	102.416	ug/l	99
69) o-Xylene	10.622	106	139515	50.424	ug/l	99
70) Styrene	10.634	104	243341	51.651	ug/l	100
71) Bromoform	10.781	173	64170	48.250	ug/l #	99
73) Isopropylbenzene	10.945	105	373948	51.658	ug/l	100
74) N-amyl acetate	10.823	43	131979	51.399	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	98715	49.936	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	81093m	50.456	ug/l	
77) Bromobenzene	11.177	156	91000	50.135	ug/l	94
78) n-propylbenzene	11.287	91	435662	51.980	ug/l	99
79) 2-Chlorotoluene	11.341	91	257936	50.760	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	305027	50.918	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	33027	49.995	ug/l	96
82) 4-Chlorotoluene	11.433	91	304670	50.507	ug/l	98
83) tert-Butylbenzene	11.695	119	309524	50.288	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	308529	51.607	ug/l	100
85) sec-Butylbenzene	11.872	105	379368	51.230	ug/l	100
86) p-Isopropyltoluene	11.988	119	324425	50.686	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	165027	48.229	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	168102	47.423	ug/l	99
89) n-Butylbenzene	12.311	91	289706	49.728	ug/l	99
90) Hexachloroethane	12.518	117	61223	48.437	ug/l	95
91) 1,2-Dichlorobenzene	12.317	146	157812	49.123	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	19691	49.072	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	101983	46.941	ug/l	99
94) Hexachlorobutadiene	13.707	225	39299	48.274	ug/l	99
95) Naphthalene	13.756	128	289882	50.362	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	96139	48.223	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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TIC: VX048237.D\data.ms

Abundance

Time-->

1,1-Dichloroethane, P
Vinyl Chloride, T
Chlorobenzene, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acetone, T
Methyl isobutyl ketone, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methylcyclopentadiene, T
1,1-Dichloroethane, P
Disopropyl ether, T
Vinyl Acetate, T
2-Butanone, T
Ethyl Acetate, T
Bromochloromethane, T
Chlorobenzene, T
Pentachlorobenzene, T
Cyclohexane, T
1,2-Dichloroethane, T
1,2-Dichloroethane-d4, T
Isopropyl Acetate, T
1,4-Difluorobenzene, T
Trichloroethene, TM
1,2-Dichloropropane, T
Methylcyclopentadiene, T
Bromodichloromethane, T
1,4-Dioxane, T
Diethyl malonate, T
cis-1,3-Dichloropropene, T
Toluene, CM
1,1,3,3-Tetrachloropropane, T
1,1,1-Trichloroethane, T
1,1,2,2-Tetrachloroethane, T
Chlorobenzene, PM
Ethyl Benzene, C
nmp-Xylenes, T
o-Xylene, T
Isopropylbenzene, T
Isopropylbenzene, T
2-Chlorotoluene, T
1-Propylbenzene, T
1,2,4-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,3-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
Hexachlorobutadiene, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T