

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048382.D
 Acq On : 28 Oct 2025 08:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/29/2025
 Supervised By : Mahesh Dadoda 10/29/2025

Quant Time: Oct 29 01:11:50 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

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	144737	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	239336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	102008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	101061	49.801	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.600%		
35) Dibromofluoromethane	5.361	113	65936	40.354	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	80.700%		
50) Toluene-d8	8.628	98	270013	47.146	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.300%		
62) 4-Bromofluorobenzene	11.061	95	101509	46.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	72308	48.597	ug/l	97
3) Chloromethane	1.300	50	39342	28.327	ug/l	97
4) Vinyl Chloride	1.380	62	99946	77.714	ug/l	99
5) Bromomethane	1.611	94	37111	42.520	ug/l	100
6) Chloroethane	1.691	64	62223	82.336	ug/l	95
7) Trichlorofluoromethane	1.892	101	165827	67.232	ug/l	99
8) Diethyl Ether	2.130	74	60156	86.679	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	89864	57.535	ug/l	99
10) Methyl Iodide	2.453	142	334748	170.484	ug/l	99
11) Tert butyl alcohol	2.934	59	47152	234.022	ug/l	99
12) 1,1-Dichloroethene	2.325	96	88998	58.569	ug/l	96
13) Acrolein	2.233	56	60963	296.668	ug/l	96
14) Allyl chloride	2.660	41	153931	61.015	ug/l	97
15) Acrylonitrile	3.050	53	204630	281.652	ug/l	99
16) Acetone	2.367	43	104143	149.594	ug/l	97
17) Carbon Disulfide	2.514	76	239528	50.016	ug/l	99
18) Methyl Acetate	2.697	43	93135	64.059	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	305866	59.003	ug/l	97
20) Methylene Chloride	2.788	84	99350	58.569	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	95212	57.042	ug/l	98
22) Diisopropyl ether	3.745	45	337347	67.042	ug/l	91
23) Vinyl Acetate	3.702	43	1148683	285.778	ug/l	99
24) 1,1-Dichloroethane	3.599	63	183952	60.459	ug/l	98
25) 2-Butanone	4.525	43	181964	206.502	ug/l	98
26) 2,2-Dichloropropane	4.458	77	159622	58.123	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	113710	58.373	ug/l	99
28) Bromochloromethane	4.879	49	76809	60.883	ug/l	99
29) Tetrahydrofuran	4.977	42	141069	267.309	ug/l	96
30) Chloroform	5.068	83	189968	58.440	ug/l	97
31) Cyclohexane	5.452	56	144190	57.241	ug/l	93
32) 1,1,1-Trichloroethane	5.361	97	163641	54.622	ug/l	99
36) 1,1-Dichloropropene	5.672	75	123194	53.047	ug/l	98
37) Ethyl Acetate	4.684	43	109103	56.679	ug/l	97
38) Carbon Tetrachloride	5.659	117	140102	48.898	ug/l	99
39) Methylcyclohexane	7.360	83	146198	53.305	ug/l	98
40) Benzene	6.013	78	372431	55.236	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	55564	54.966	ug/l	94
42) 1,2-Dichloroethane	6.062	62	140896	56.629	ug/l	100
43) Isopropyl Acetate	6.312	43	181976	57.552	ug/l	99
44) Trichloroethene	7.104	130	95686	53.745	ug/l	96
45) 1,2-Dichloropropane	7.409	63	95598	59.634	ug/l	98
46) Dibromomethane	7.562	93	67883	54.353	ug/l	99
47) Bromodichloromethane	7.799	83	147253	54.607	ug/l	98
48) Methyl methacrylate	7.671	41	90102	56.472	ug/l	98
49) 1,4-Dioxane	7.635	88	20052	951.275	ug/l	97
51) 4-Methyl-2-Pentanone	8.549	43	487998	267.681	ug/l	98
52) Toluene	8.702	92	232745	54.336	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	133796	51.487	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	140501	50.113	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	85923	53.940	ug/l	97
56) Ethyl methacrylate	9.098	69	126438	54.267	ug/l	99
57) 1,3-Dichloropropane	9.287	76	150097	55.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	384130	306.233	ug/l	99
59) 2-Hexanone	9.409	43	295802	232.695	ug/l	100
60) Dibromochloromethane	9.500	129	106921	49.940	ug/l	99
61) 1,2-Dibromoethane	9.592	107	88511	52.121	ug/l	96
64) Tetrachloroethene	9.256	164	86781	55.081	ug/l	96
65) Chlorobenzene	10.061	112	254904	53.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	91394	52.412	ug/l	99
67) Ethyl Benzene	10.177	91	439762	54.405	ug/l	97
68) m/p-Xylenes	10.281	106	332760	110.800	ug/l	99
69) o-Xylene	10.622	106	160210	55.255	ug/l	98
70) Styrene	10.634	104	275361	55.774	ug/l	99
71) Bromoform	10.780	173	65468	46.975	ug/l #	100
73) Isopropylbenzene	10.945	105	411618	55.246	ug/l	100
74) N-amyl acetate	10.823	43	156128	59.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	105165	51.686	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	85862m	51.905	ug/l	
77) Bromobenzene	11.177	156	100477	53.783	ug/l	99
78) n-propylbenzene	11.286	91	496966	57.608	ug/l	99
79) 2-Chlorotoluene	11.341	91	290751	55.591	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	340699	55.256	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	24617	36.205	ug/l #	64
82) 4-Chlorotoluene	11.433	91	348392	56.113	ug/l	99
83) tert-Butylbenzene	11.695	119	337702	53.306	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	342744	55.700	ug/l	100
85) sec-Butylbenzene	11.872	105	429387	56.336	ug/l	99
86) p-Isopropyltoluene	11.988	119	360055	54.654	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	182928	51.941	ug/l	98
88) 1,4-Dichlorobenzene	12.018	146	184298	50.513	ug/l	99
89) n-Butylbenzene	12.311	91	333834	55.673	ug/l	100
90) Hexachloroethane	12.518	117	63174	48.559	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	173412	52.444	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	20870	50.532	ug/l	92
93) 1,2,4-Trichlorobenzene	13.567	180	115862	51.813	ug/l	99
94) Hexachlorobutadiene	13.707	225	45721	54.558	ug/l	98
95) Naphthalene	13.756	128	304504	51.398	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	105934	51.626	ug/l	98

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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

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TIC: VX048382.D\data.ms

Abundance

Time-->

Labeled compounds (from left to right):

- Dichlorodifluoromethane, T
- Chloromethylchloride, C
- Bromomethane, T
- Trichlorofluoromethane, T
- Pentyl Ether, T
- Acrolein
- Acetone
- Carbon Disulfide, T
- Methyl Chloride, T
- Methylene Chloride, T
- Tert butyl alcohol, T
- Acrylonitrile, T
- Methyl acetate, T
- Diisopropyl ether, T
- Vinyl Acetate, T
- 1,1-Dichloroethane, P
- 2-Butanone, T
- Ethyl Acetate, T
- 2,2-Dichloropropane, T
- Methyl Chloride, T
- Carbon Dioxide, T
- Pentane, T
- Diisopropylmethane, S
- 1,2-Dichlorobenzene, T
- 1,2-Dichloroethane, TM
- Isopropyl Acetate, T
- 1,4-Difluorobenzene, I
- Trichloroethene, TM
- 1,2-Dichlorobenzene, T
- 1,2-Dioxane, T
- Dimethylacetate, T
- Bromochloromethane, T
- cis-1,3-Dichloropropene, I
- 2-Chloroethyl Vinyl ether, T
- 4-Methyl-2-Pentanone, T
- Toluene, CM
- t-1,3-Dichloropropene, T
- Ethyl methyl ketone, T
- 1,3-Dichloropropane, T
- 2-Hexanone, T
- 1,2-Dibromochloromethane, T
- Chlorobenzene, PM
- 1,1,1-Trichloroethane, T
- 1,1,2-Trichloroethane, T
- N-amyl acetate, T
- Bromoforn, P
- trans-1,2-Dichlorocyclohexane, S
- n-Propylbenzene, T
- 2-Chlorotoluene, T
- m,p-Xylenes, T
- tert-Butylbenzene, T
- 1,2,4-Trichlorobenzene, T
- Hexachloroethane, T
- 1,2-Dibromo-3-Chloropropane, T
- Hexachlorobutadiene, T
- 1,2,4-Trichlorobenzene, T
- Naphthalene, T
- 1,2,3-Trichlorobenzene, T