

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048198.D
 Acq On : 17 Oct 2025 08:45
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

10/20/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 17 23:49:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	171106	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	292010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	244053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	113449	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	1902	1.059	ug/l	85
3) Chloromethane	1.301	50	2156	0.991	ug/l	100
4) Vinyl Chloride	1.380	62	2166	0.945	ug/l	97
6) Chloroethane	1.697	64	1533	1.051	ug/l #	88
7) Trichlorofluoromethane	1.898	101	3645	1.013	ug/l	93
8) Diethyl Ether	2.136	74	1265	1.031	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	2189	1.080	ug/l	95
12) 1,1-Dichloroethene	2.325	96	2050	1.034	ug/l	96
14) Allyl chloride	2.666	41	3528	0.989	ug/l	98
15) Acrylonitrile	3.062	53	3141	3.727	ug/l #	84
16) Acetone	2.374	43	4860	5.375	ug/l #	88
17) Carbon Disulfide	2.514	76	6269	1.028	ug/l	98
18) Methyl Acetate	2.697	43	1737	0.943	ug/l #	89
19) Methyl tert-butyl Ether	3.105	73	5118	0.857	ug/l	96
20) Methylene Chloride	2.788	84	2083	0.946	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	1862	0.908	ug/l	94
22) Diisopropyl ether	3.745	45	6229	0.892	ug/l	93
23) Vinyl Acetate	3.715	43	20834	3.990	ug/l	95
24) 1,1-Dichloroethane	3.599	63	3755	0.948	ug/l #	91
25) 2-Butanone	4.550	43	4709	4.470	ug/l	95
26) 2,2-Dichloropropane	4.465	77	3528	1.042	ug/l	90
27) cis-1,2-Dichloroethene	4.483	96	2239m	0.920	ug/l	
28) Bromochloromethane	4.891	49	1546	0.847	ug/l #	94
29) Tetrahydrofuran	5.007	42	2657	4.295	ug/l #	54
30) Chloroform	5.074	83	4243	1.017	ug/l #	78
32) 1,1,1-Trichloroethane	5.367	97	3326	0.970	ug/l #	47
36) 1,1-Dichloropropene	5.672	75	3360	1.177	ug/l	94
37) Ethyl Acetate	4.715	43	2212m	0.969	ug/l	
38) Carbon Tetrachloride	5.666	117	3807	1.162	ug/l	84
39) Methylcyclohexane	7.367	83	3061	0.951	ug/l	88
40) Benzene	6.019	78	8528	1.006	ug/l #	88
41) Methacrylonitrile	4.904	41	1015	0.831	ug/l #	60
42) 1,2-Dichloroethane	6.074	62	2953	0.972	ug/l	86
43) Isopropyl Acetate	6.318	43	3437	0.897	ug/l #	81
44) Trichloroethene	7.111	130	2174	1.018	ug/l	96
45) 1,2-Dichloropropane	7.415	63	2066	0.963	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.562	93	1600	1.036	ug/l	89
47) Bromodichloromethane	7.806	83	3270	0.980	ug/l #	98
48) Methyl methacrylate	7.696	41	1734	0.884	ug/l	87
49) 1,4-Dioxane	7.665	88	265	15.015	ug/l #	38
51) 4-Methyl-2-Pentanone	8.555	43	9171	4.303	ug/l	94
52) Toluene	8.696	92	4761	0.934	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	2791	0.893	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	2948	0.865	ug/l #	84
55) 1,1,2-Trichloroethane	9.128	97	1817	0.956	ug/l #	79
56) Ethyl methacrylate	9.098	69	1866	0.722	ug/l #	73
57) 1,3-Dichloropropane	9.293	76	3153	0.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	4001	16.697	ug/l	98
59) 2-Hexanone	9.415	43	6190	4.152	ug/l	92
60) Dibromochloromethane	9.506	129	2113	0.888	ug/l	88
61) 1,2-Dibromoethane	9.598	107	1870	0.959	ug/l	99
64) Tetrachloroethene	9.256	164	2082	1.217	ug/l #	81
65) Chlorobenzene	10.061	112	5363	1.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	2180	1.134	ug/l #	64
67) Ethyl Benzene	10.177	91	8889	0.972	ug/l	99
68) m/p-Xylenes	10.287	106	6418	1.883	ug/l	100
69) o-Xylene	10.622	106	3094	0.964	ug/l	100
70) Styrene	10.640	104	4811	0.871	ug/l	97
71) Bromoform	10.781	173	1432	1.014	ug/l #	98
73) Isopropylbenzene	10.945	105	7339	0.930	ug/l	99
74) N-amyl acetate	10.829	43	2552	0.867	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.189	83	2360	1.056	ug/l	95
76) 1,2,3-Trichloropropane	11.220	75	1810m	1.045	ug/l	
77) Bromobenzene	11.183	156	2018	1.022	ug/l	96
78) n-propylbenzene	11.287	91	9298	0.972	ug/l	97
79) 2-Chlorotoluene	11.348	91	5779	1.000	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	5860	0.905	ug/l	96
82) 4-Chlorotoluene	11.439	91	6460	0.951	ug/l	99
83) tert-Butylbenzene	11.695	119	6501	0.993	ug/l	95
84) 1,2,4-Trimethylbenzene	11.732	105	5810	0.901	ug/l	99
85) sec-Butylbenzene	11.872	105	7990	0.999	ug/l	94
86) p-Isopropyltoluene	11.988	119	6330	0.939	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	3908	1.058	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	4292m	1.121	ug/l	
89) n-Butylbenzene	12.317	91	6382	1.016	ug/l	97
90) Hexachloroethane	12.518	117	1666	1.171	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	3611	1.035	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	450	1.102	ug/l	87
93) 1,2,4-Trichlorobenzene	13.573	180	2130	1.034	ug/l	97
94) Hexachlorobutadiene	13.707	225	1056	1.329	ug/l	86
95) Naphthalene	13.756	128	4447	0.819	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.945	180	1758	0.925	ug/l	89

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

Manual Integrations

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