

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120425\
 Data File : VX048714.D
 Acq On : 04 Dec 2025 08:47
 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 12/05/2025
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 03:18:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:18:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	206937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	356626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	323968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	158289	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	1.172	85	1978	0.938	ug/l #	66
3) Chloromethane	1.300	50	3002	1.128	ug/l	92
4) Vinyl Chloride	1.380	62	2913	1.028	ug/l	99
6) Chloroethane	1.697	64	2136	1.211	ug/l	98
7) Trichlorofluoromethane	1.898	101	4135	1.018	ug/l	93
8) Diethyl Ether	2.130	74	1841	1.136	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.343	101	2444	1.038	ug/l	95
12) 1,1-Dichloroethene	2.325	96	2514	1.046	ug/l	93
14) Allyl chloride	2.660	41	4571	1.133	ug/l	94
15) Acrylonitrile	3.056	53	7576	5.422	ug/l	95
16) Acetone	2.373	43	6606	6.213	ug/l	94
17) Carbon Disulfide	2.514	76	8174	1.171	ug/l	96
18) Methyl Acetate	2.703	43	3438	1.149	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	8947	1.144	ug/l #	90
20) Methylene Chloride	2.788	84	3480	1.309	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	2919	1.190	ug/l	82
22) Diisopropyl ether	3.745	45	8931	1.184	ug/l #	88
23) Vinyl Acetate	3.721	43	31813	5.021	ug/l	98
24) 1,1-Dichloroethane	3.599	63	5001	1.189	ug/l	97
25) 2-Butanone	4.544	43	8255	5.260	ug/l	97
26) 2,2-Dichloropropane	4.458	77	4420	1.188	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	3211	1.160	ug/l	88
28) Bromochloromethane	4.879	49	2337	1.134	ug/l #	83
29) Tetrahydrofuran	4.989	42	6590	5.500	ug/l #	89
30) Chloroform	5.074	83	5213	1.157	ug/l	99
32) 1,1,1-Trichloroethane	5.361	97	4515	1.118	ug/l #	48
36) 1,1-Dichloropropene	5.678	75	3726	1.108	ug/l	91
37) Ethyl Acetate	4.714	43	3958m	0.985	ug/l	
38) Carbon Tetrachloride	5.659	117	3570	0.937	ug/l #	83
39) Methylcyclohexane	7.354	83	3845	0.967	ug/l #	87
40) Benzene	6.019	78	10753	1.079	ug/l	96
41) Methacrylonitrile	4.903	41	1547	0.846	ug/l #	62
42) 1,2-Dichloroethane	6.074	62	3949	1.119	ug/l	87
43) Isopropyl Acetate	6.318	43	6262	1.029	ug/l #	94
44) Trichloroethene	7.104	130	2758	1.060	ug/l	99
45) 1,2-Dichloropropane	7.409	63	2415	0.969	ug/l #	77

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.568	93	1828	0.967	ug/l	95
47) Bromodichloromethane	7.799	83	4244	1.077	ug/l #	85
48) Methyl methacrylate	7.677	41	3046	0.995	ug/l	93
49) 1,4-Dioxane	7.671	88	794	18.860	ug/l #	86
51) 4-Methyl-2-Pentanone	8.555	43	19490	5.160	ug/l	97
52) Toluene	8.702	92	5975	0.994	ug/l	95
53) t-1,3-Dichloropropene	8.970	75	3870	1.032	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	3853	0.956	ug/l #	93
55) 1,1,2-Trichloroethane	9.134	97	2561	1.059	ug/l #	90
56) Ethyl methacrylate	9.098	69	3510	0.927	ug/l	91
57) 1,3-Dichloropropane	9.293	76	4423	1.100	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.232	63	8078	3.947	ug/l	97
59) 2-Hexanone	9.415	43	13642	5.145	ug/l	92
60) Dibromochloromethane	9.506	129	2961	0.990	ug/l	93
61) 1,2-Dibromoethane	9.592	107	2765	1.056	ug/l	97
64) Tetrachloroethene	9.256	164	2484	1.052	ug/l #	80
65) Chlorobenzene	10.061	112	7654	1.079	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2813	1.109	ug/l #	61
67) Ethyl Benzene	10.177	91	11281	0.975	ug/l	95
68) m/p-Xylenes	10.281	106	9059	2.010	ug/l	99
69) o-Xylene	10.622	106	3736	0.885	ug/l	84
70) Styrene	10.640	104	6411	0.884	ug/l	96
71) Bromoform	10.787	173	2166	0.957	ug/l #	97
73) Isopropylbenzene	10.945	105	10050	0.942	ug/l	100
74) N-amyl acetate	10.829	43	4424	0.955	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	4105	1.141	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	3459m	1.139	ug/l	
77) Bromobenzene	11.183	156	2868	1.007	ug/l	95
78) n-propylbenzene	11.286	91	11914	0.964	ug/l	99
79) 2-Chlorotoluene	11.347	91	7596	1.008	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	8172	0.932	ug/l	96
82) 4-Chlorotoluene	11.439	91	8694	0.989	ug/l	99
83) tert-Butylbenzene	11.695	119	8327	0.914	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	8178	0.925	ug/l	99
85) sec-Butylbenzene	11.872	105	10311	0.934	ug/l	98
86) p-Isopropyltoluene	11.988	119	8607	0.912	ug/l	87
87) 1,3-Dichlorobenzene	11.951	146	5352	1.020	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	6180m	1.139	ug/l	
89) n-Butylbenzene	12.317	91	8657	0.980	ug/l	97
90) Hexachloroethane	12.524	117	1957	1.016	ug/l	90
91) 1,2-Dichlorobenzene	12.317	146	5165	1.015	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	929	1.061	ug/l	74
93) 1,2,4-Trichlorobenzene	13.573	180	3332	0.991	ug/l	92
94) Hexachlorobutadiene	13.707	225	1584	1.139	ug/l	93
95) Naphthalene	13.762	128	7395	0.733	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	2886	0.931	ug/l	90

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

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