

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048694.D
 Acq On : 03 Dec 2025 08:43
 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 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 01:35:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 01:31:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	176056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	293875	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	266874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	128840	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	1.179	85	1929	0.951	ug/l	83
3) Chloromethane	1.300	50	1989	1.006	ug/l #	73
4) Vinyl Chloride	1.380	62	2155	0.994	ug/l #	85
6) Chloroethane	1.697	64	1294	1.008	ug/l	90
7) Trichlorofluoromethane	1.898	101	3170	1.007	ug/l	89
8) Diethyl Ether	2.130	74	1104	0.985	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.337	101	1986	1.058	ug/l #	85
12) 1,1-Dichloroethene	2.331	96	1904	1.021	ug/l #	76
14) Allyl chloride	2.672	41	3975	1.126	ug/l	96
15) Acrylonitrile	3.062	53	4636	4.057	ug/l	95
16) Acetone	2.373	43	4523	5.822	ug/l	90
17) Carbon Disulfide	2.520	76	6026	1.060	ug/l #	95
18) Methyl Acetate	2.703	43	2787	1.083	ug/l #	90
19) Methyl tert-butyl Ether	3.093	73	5496	0.865	ug/l #	86
20) Methylene Chloride	2.788	84	2448	1.129	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	1512	0.785	ug/l #	80
22) Diisopropyl ether	3.745	45	6321	1.000	ug/l #	58
23) Vinyl Acetate	3.721	43	25140	4.574	ug/l #	92
24) 1,1-Dichloroethane	3.599	63	3868	1.074	ug/l #	95
25) 2-Butanone	4.556	43	6596m	4.971	ug/l	
26) 2,2-Dichloropropane	4.465	77	3818m	1.169	ug/l	
27) cis-1,2-Dichloroethene	4.471	96	2619m	1.087	ug/l	
28) Bromochloromethane	4.885	49	1685	0.975	ug/l #	84
29) Tetrahydrofuran	4.995	42	5217	5.062	ug/l #	85
30) Chloroform	5.080	83	3861	1.012	ug/l	85
32) 1,1,1-Trichloroethane	5.367	97	3684	1.074	ug/l #	49
36) 1,1-Dichloropropene	5.678	75	2989	1.104	ug/l #	91
37) Ethyl Acetate	4.715	43	2942	0.823	ug/l #	76
38) Carbon Tetrachloride	5.653	117	3456	1.111	ug/l #	72
39) Methylcyclohexane	7.354	83	3371	1.070	ug/l #	81
40) Benzene	6.019	78	8625	1.084	ug/l	98
41) Methacrylonitrile	4.910	41	1520	0.977	ug/l #	60
42) 1,2-Dichloroethane	6.062	62	3265	1.143	ug/l	91
43) Isopropyl Acetate	6.324	43	4678	0.969	ug/l #	92
44) Trichloroethene	7.110	130	2256	1.077	ug/l	99
45) 1,2-Dichloropropane	7.415	63	2175	1.119	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048694.D
 Acq On : 03 Dec 2025 08:43
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Dec 04 01:35:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 01:31:16 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.568	93	1509	1.009	ug/l	94
47) Bromodichloromethane	7.805	83	3300	1.076	ug/l #	96
48) Methyl methacrylate	7.683	41	2303	0.999	ug/l #	85
49) 1,4-Dioxane	7.647	88	484	17.166	ug/l #	78
51) 4-Methyl-2-Pentanone	8.555	43	15212	5.002	ug/l	94
52) Toluene	8.702	92	4745	0.972	ug/l	86
53) t-1,3-Dichloropropene	8.964	75	2897	0.949	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	3107	0.960	ug/l #	88
55) 1,1,2-Trichloroethane	9.134	97	1953	1.009	ug/l #	87
56) Ethyl methacrylate	9.104	69	2764	0.891	ug/l #	88
57) 1,3-Dichloropropane	9.293	76	3367	1.034	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.232	63	5833m	3.649	ug/l	
59) 2-Hexanone	9.415	43	10509	4.816	ug/l	94
60) Dibromochloromethane	9.506	129	2494	1.033	ug/l	93
61) 1,2-Dibromoethane	9.592	107	2273	1.062	ug/l	98
64) Tetrachloroethene	9.256	164	2119	1.156	ug/l	91
65) Chlorobenzene	10.061	112	5918	1.047	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	2056	1.045	ug/l #	64
67) Ethyl Benzene	10.177	91	9314	1.003	ug/l	100
68) m/p-Xylenes	10.287	106	7183	2.008	ug/l	97
69) o-Xylene	10.628	106	3277	0.951	ug/l	92
70) Styrene	10.640	104	5079	0.877	ug/l	95
71) Bromoform	10.787	173	1839	1.027	ug/l #	88
73) Isopropylbenzene	10.945	105	8297	0.964	ug/l	97
74) N-amyl acetate	10.829	43	3440	0.885	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.195	83	3141	1.065	ug/l	94
76) 1,2,3-Trichloropropane	11.219	75	2590m	0.817	ug/l	
77) Bromobenzene	11.183	156	2560	1.103	ug/l	94
78) n-propylbenzene	11.286	91	9693	0.961	ug/l	97
79) 2-Chlorotoluene	11.347	91	6333	1.033	ug/l	96
80) 1,3,5-Trimethylbenzene	11.433	105	6424	0.912	ug/l	99
82) 4-Chlorotoluene	11.439	91	6700	0.940	ug/l	94
83) tert-Butylbenzene	11.701	119	6917	0.947	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	6212	0.885	ug/l	96
85) sec-Butylbenzene	11.872	105	8542	0.966	ug/l	98
86) p-Isopropyltoluene	11.988	119	6788	0.929	ug/l	89
87) 1,3-Dichlorobenzene	11.951	146	4495	1.064	ug/l	97
88) 1,4-Dichlorobenzene	12.024	146	5106	1.184	ug/l	93
89) n-Butylbenzene	12.317	91	6683	0.971	ug/l	97
90) Hexachloroethane	12.518	117	1568	1.066	ug/l	97
91) 1,2-Dichlorobenzene	12.323	146	4097	1.042	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.926	75	645	0.963	ug/l	94
93) 1,2,4-Trichlorobenzene	13.573	180	2519	1.006	ug/l	97
94) Hexachlorobutadiene	13.701	225	1252	1.201	ug/l	96
95) Naphthalene	13.762	128	5930	0.776	ug/l	98
96) 1,2,3-Trichlorobenzene	13.938	180	2244	0.971	ug/l	96

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

