

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048229.D
 Acq On : 20 Oct 2025 10:59
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Oct 20 12:42:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	117157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	193186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	177252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	86943	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	1223	0.995	ug/l	82
3) Chloromethane	1.301	50	1186	0.796	ug/l #	62
4) Vinyl Chloride	1.380	62	1048	0.668	ug/l	92
6) Chloroethane	1.697	64	545	0.546	ug/l	91
7) Trichlorofluoromethane	1.898	101	1819	0.738	ug/l	98
8) Diethyl Ether	2.142	74	542	0.645	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.337	101	1199	0.864	ug/l	89
12) 1,1-Dichloroethene	2.325	96	1207	0.889	ug/l	88
14) Allyl chloride	2.666	41	2101	0.860	ug/l	96
15) Acrylonitrile	3.069	53	2984	5.171	ug/l	97
16) Acetone	2.380	43	3519	5.684	ug/l	98
17) Carbon Disulfide	2.520	76	4767	1.141	ug/l #	92
18) Methyl Acetate	2.703	43	1204	0.955	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	4437	1.085	ug/l	100
20) Methylene Chloride	2.794	84	1301	0.863	ug/l #	76
21) trans-1,2-Dichloroethene	3.099	96	1376	0.980	ug/l	96
22) Diisopropyl ether	3.745	45	3977	0.832	ug/l #	26
23) Vinyl Acetate	3.727	43	14769	4.131	ug/l	95
24) 1,1-Dichloroethane	3.611	63	2615	0.964	ug/l	97
25) 2-Butanone	4.574	43	3638	5.043	ug/l	98
26) 2,2-Dichloropropane	4.465	77	2347	1.012	ug/l	84
27) cis-1,2-Dichloroethene	4.489	96	1598	0.959	ug/l	94
28) Bromochloromethane	4.879	49	908	0.726	ug/l #	69
29) Tetrahydrofuran	5.007	42	2088	4.929	ug/l #	73
30) Chloroform	5.093	83	2688	0.941	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	2459	1.048	ug/l #	50
36) 1,1-Dichloropropene	5.696	75	2173	1.151	ug/l #	62
37) Ethyl Acetate	4.727	43	1772m	1.174	ug/l	
38) Carbon Tetrachloride	5.672	117	2513m	1.159	ug/l	
39) Methylcyclohexane	7.373	83	2128	0.999	ug/l	94
40) Benzene	6.032	78	5767	1.028	ug/l #	89
41) Methacrylonitrile	4.916	41	741m	0.917	ug/l	
42) 1,2-Dichloroethane	6.080	62	2044	1.017	ug/l	87
43) Isopropyl Acetate	6.336	43	2548	1.006	ug/l #	85
44) Trichloroethene	7.117	130	1547	1.094	ug/l	83
45) 1,2-Dichloropropane	7.422	63	1195	0.842	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.574	93	1032	1.011	ug/l	95
47) Bromodichloromethane	7.812	83	2204	0.999	ug/l #	79
48) Methyl methacrylate	7.684	41	1283	0.989	ug/l	95
49) 1,4-Dioxane	7.665	88	255	21.840	ug/l #	34
51) 4-Methyl-2-Pentanone	8.562	43	7066	5.011	ug/l	91
52) Toluene	8.708	92	3403	1.010	ug/l	95
53) t-1,3-Dichloropropene	8.970	75	1844	0.892	ug/l #	74
54) cis-1,3-Dichloropropene	8.360	75	2250	0.998	ug/l	90
55) 1,1,2-Trichloroethane	9.147	97	1229	0.977	ug/l #	85
56) Ethyl methacrylate	9.104	69	1616	0.945	ug/l	96
57) 1,3-Dichloropropane	9.299	76	2174	0.989	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.232	63	2970	3.381	ug/l	100
59) 2-Hexanone	9.421	43	4456	4.518	ug/l	92
60) Dibromochloromethane	9.507	129	1862	1.183	ug/l	95
61) 1,2-Dibromoethane	9.598	107	1338	1.037	ug/l	98
64) Tetrachloroethene	9.257	164	1482	1.192	ug/l	92
65) Chlorobenzene	10.067	112	4073	1.051	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.147	131	1495	1.070	ug/l #	66
67) Ethyl Benzene	10.177	91	6752	1.016	ug/l	97
68) m/p-Xylenes	10.287	106	4589	1.854	ug/l	90
69) o-Xylene	10.628	106	2313	0.993	ug/l	99
70) Styrene	10.640	104	3737	0.932	ug/l	96
71) Bromoform	10.787	173	1198	1.168	ug/l #	99
73) Isopropylbenzene	10.945	105	6291	1.040	ug/l	93
74) N-amyl acetate	10.829	43	2137	0.947	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.195	83	1718	1.003	ug/l	90
76) 1,2,3-Trichloropropane	11.220	75	1615m	1.216	ug/l	
77) Bromobenzene	11.183	156	1635	1.080	ug/l	91
78) n-propylbenzene	11.287	91	6956	0.949	ug/l	94
79) 2-Chlorotoluene	11.348	91	4477	1.010	ug/l	97
80) 1,3,5-Trimethylbenzene	11.433	105	5196	1.047	ug/l	97
82) 4-Chlorotoluene	11.439	91	5385	1.034	ug/l	99
83) tert-Butylbenzene	11.695	119	5439	1.085	ug/l	91
84) 1,2,4-Trimethylbenzene	11.738	105	4854	0.982	ug/l	99
85) sec-Butylbenzene	11.872	105	6589	1.075	ug/l	99
86) p-Isopropyltoluene	11.994	119	5812	1.125	ug/l	91
87) 1,3-Dichlorobenzene	11.951	146	3239	1.145	ug/l	96
88) 1,4-Dichlorobenzene	12.024	146	3727m	1.270	ug/l	
89) n-Butylbenzene	12.317	91	5787	1.202	ug/l	98
90) Hexachloroethane	12.518	117	1182	1.084	ug/l	77
91) 1,2-Dichlorobenzene	12.317	146	3135	1.172	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.933	75	290	0.926	ug/l	79
93) 1,2,4-Trichlorobenzene	13.573	180	2505	1.587	ug/l	90
94) Hexachlorobutadiene	13.707	225	1658	2.724	ug/l	97
95) Naphthalene	13.762	128	5116	1.230	ug/l	98
96) 1,2,3-Trichlorobenzene	13.945	180	2006	1.377	ug/l	100

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

