

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047585.D
 Acq On : 16 Sep 2025 09:23
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:09:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	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	2201	0.863	ug/l	96
3) Chloromethane	1.300	50	3006	0.897	ug/l #	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l	95
6) Chloroethane	1.697	64	2134	0.973	ug/l	95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l	88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l	93
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l #	80
14) Allyl chloride	2.666	41	5885	0.974	ug/l	94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l	97
16) Acetone	2.380	43	8444	4.953	ug/l	99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l #	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l #	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l	93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l	95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l #	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l	97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l	95
25) 2-Butanone	4.550	43	9105	4.281	ug/l #	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l	77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l	96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l #	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l	98
30) Chloroform	5.074	83	5093	0.810	ug/l	86
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l #	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l #	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l #	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l	95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l	94
40) Benzene	6.025	78	12012	0.894	ug/l	98
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l #	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l	80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l	94
44) Trichloroethene	7.110	130	2677	0.824	ug/l	78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.574	93	2240	0.895	ug/l	94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l #	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l #	87
49) 1,4-Dioxane	7.653	88	488m	12.477	ug/l	
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l	95
52) Toluene	8.708	92	7595	0.917	ug/l	92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l #	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l #	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l	95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l #	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l	99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l	98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l	87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l	96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l	83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l #	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l	98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l	99
69) o-Xylene	10.622	106	4734	0.816	ug/l	94
70) Styrene	10.640	104	8377	0.824	ug/l	96
71) Bromoform	10.787	173	1816	0.755	ug/l #	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l	96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l	96
76) 1,2,3-Trichloropropane	11.225	75	3421m	0.816	ug/l	
77) Bromobenzene	11.183	156	3069	0.811	ug/l	98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l	99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l	99
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l	95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l	97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l	100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l	99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	6341m	0.880	ug/l	
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l	97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l	95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l	93
95) Naphthalene	13.756	128	10112	0.763	ug/l	98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l	98

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

