

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046860.D
 Acq On : 02 Jul 2025 12:11
 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 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	372069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	622566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	571866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	290571	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	1.185	85	3309	0.930	ug/l	89
3) Chloromethane	1.307	50	3761	0.967	ug/l	89
4) Vinyl Chloride	1.386	62	4227	0.998	ug/l	99
6) Chloroethane	1.703	64	3296	1.179	ug/l	94
7) Trichlorofluoromethane	1.910	101	6304	0.963	ug/l	88
8) Diethyl Ether	2.148	74	2346	1.007	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	3923	0.940	ug/l	93
12) 1,1-Dichloroethene	2.337	96	4037	1.001	ug/l	90
14) Allyl chloride	2.678	41	7259	1.011	ug/l	96
15) Acrylonitrile	3.081	53	9914m	5.298	ug/l	
16) Acetone	2.386	43	8778	5.749	ug/l	89
17) Carbon Disulfide	2.532	76	11797	1.115	ug/l #	88
18) Methyl Acetate	2.715	43	3632	0.903	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	10768	0.945	ug/l	96
20) Methylene Chloride	2.800	84	4636	1.027	ug/l #	91
21) trans-1,2-Dichloroethene	3.111	96	4109	0.995	ug/l	92
22) Diisopropyl ether	3.776	45	12396	0.893	ug/l #	56
23) Vinyl Acetate	3.739	43	46702	4.492	ug/l	97
24) 1,1-Dichloroethane	3.623	63	8033	1.015	ug/l	98
25) 2-Butanone	4.599	43	9681m	4.752	ug/l	
26) 2,2-Dichloropropane	4.483	77	6192	1.051	ug/l	93
27) cis-1,2-Dichloroethene	4.501	96	5289	1.049	ug/l	98
28) Bromochloromethane	4.910	49	3938	1.008	ug/l #	95
29) Tetrahydrofuran	5.025	42	6512	5.015	ug/l #	62
30) Chloroform	5.111	83	8561	1.059	ug/l #	80
32) 1,1,1-Trichloroethane	5.391	97	7025	1.040	ug/l #	49
36) 1,1-Dichloropropene	5.702	75	6211	1.089	ug/l	91
37) Ethyl Acetate	4.763	43	6302m	1.298	ug/l	
38) Carbon Tetrachloride	5.690	117	5859m	0.959	ug/l	
39) Methylcyclohexane	7.385	83	6714	0.941	ug/l	86
40) Benzene	6.050	78	17315	1.004	ug/l #	87
41) Methacrylonitrile	4.958	41	2181m	0.842	ug/l	
42) 1,2-Dichloroethane	6.104	62	6218	1.062	ug/l	88
43) Isopropyl Acetate	6.354	43	6331	0.851	ug/l #	79
44) Trichloroethene	7.135	130	4807	1.071	ug/l	94
45) 1,2-Dichloropropane	7.446	63	4536	1.041	ug/l #	77

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46) Dibromomethane	7.592	93	3072	1.018	ug/l	96
47) Bromodichloromethane	7.830	83	6705	1.040	ug/l	91
48) Methyl methacrylate	7.714	41	3198	0.833	ug/l #	54
49) 1,4-Dioxane	7.683	88	860m	19.325	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	20561	4.684	ug/l	97
52) Toluene	8.726	92	10648	0.996	ug/l	96
53) t-1,3-Dichloropropene	8.994	75	5080	0.883	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	6171	0.940	ug/l #	47
55) 1,1,2-Trichloroethane	9.159	97	4046	1.016	ug/l #	84
56) Ethyl methacrylate	9.122	69	4850	0.880	ug/l	95
57) 1,3-Dichloropropane	9.311	76	7057	1.030	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.250	63	13509	4.352	ug/l	100
59) 2-Hexanone	9.439	43	12742	4.376	ug/l	94
60) Dibromochloromethane	9.519	129	4772	1.002	ug/l	95
61) 1,2-Dibromoethane	9.610	107	4026	1.007	ug/l	100
64) Tetrachloroethene	9.275	164	4039	1.061	ug/l #	86
65) Chlorobenzene	10.079	112	12712	1.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	4188	1.008	ug/l #	65
67) Ethyl Benzene	10.195	91	20707	0.978	ug/l	96
68) m/p-Xylenes	10.305	106	16047	2.011	ug/l	91
69) o-Xylene	10.640	106	7726	1.002	ug/l	95
70) Styrene	10.659	104	12236	0.928	ug/l	98
71) Bromoform	10.805	173	3071	0.994	ug/l #	97
73) Isopropylbenzene	10.963	105	18985	0.929	ug/l	100
74) N-amyl acetate	10.848	43	5537	0.798	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	5809	1.034	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	4536m	1.010	ug/l	
77) Bromobenzene	11.201	156	5045	0.992	ug/l	96
78) n-propylbenzene	11.305	91	23522	0.955	ug/l	98
79) 2-Chlorotoluene	11.366	91	14185	0.975	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	14958	0.901	ug/l	100
82) 4-Chlorotoluene	11.457	91	16012	0.954	ug/l	97
83) tert-Butylbenzene	11.713	119	15883	0.927	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	15197	0.906	ug/l	96
85) sec-Butylbenzene	11.890	105	20193	0.934	ug/l	99
86) p-Isopropyltoluene	12.006	119	17131	0.946	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	9388	0.987	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	10764m	1.087	ug/l	
89) n-Butylbenzene	12.335	91	15963	0.939	ug/l	99
90) Hexachloroethane	12.536	117	3079	0.960	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	9448	1.025	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	920	0.937	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	5904	0.942	ug/l	98
94) Hexachlorobutadiene	13.725	225	2281	0.966	ug/l	87
95) Naphthalene	13.780	128	12846	0.778	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	5231	0.884	ug/l	95

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

