

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
 Data File : VX046725.D
 Acq On : 17 Jun 2025 17:18
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Jun 18 02:42:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 02:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	136219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	205370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103593	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	74 - 125	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	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	1159	0.797	ug/l	83
3) Chloromethane	1.307	50	1322	0.842	ug/l	93
4) Vinyl Chloride	1.386	62	1419	0.848	ug/l	89
6) Chloroethane	1.703	64	905	0.892	ug/l	90
7) Trichlorofluoromethane	1.904	101	2062	0.811	ug/l	97
8) Diethyl Ether	2.148	74	722	0.828	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.343	101	1280	0.821	ug/l	99
12) 1,1-Dichloroethene	2.337	96	1228	0.816	ug/l #	76
14) Allyl chloride	2.672	41	2386	0.875	ug/l	96
15) Acrylonitrile	3.081	53	3075	4.044	ug/l	96
16) Acetone	2.386	43	3424	5.449	ug/l #	80
17) Carbon Disulfide	2.526	76	5092	1.121	ug/l	96
18) Methyl Acetate	2.721	43	1280	0.802	ug/l #	87
19) Methyl tert-butyl Ether	3.129	73	3888	0.830	ug/l #	89
20) Methylene Chloride	2.800	84	1736	0.994	ug/l	91
21) trans-1,2-Dichloroethene	3.111	96	1441	0.895	ug/l #	81
22) Diisopropyl ether	3.770	45	4170	0.796	ug/l #	71
23) Vinyl Acetate	3.745	43	15507	3.722	ug/l	95
24) 1,1-Dichloroethane	3.617	63	2648	0.890	ug/l #	79
25) 2-Butanone	4.593	43	3422	3.851	ug/l	93
26) 2,2-Dichloropropane	4.489	77	1874m	0.864	ug/l	
27) cis-1,2-Dichloroethene	4.507	96	1698	0.898	ug/l	97
28) Bromochloromethane	4.922	49	1307	0.969	ug/l #	91
29) Tetrahydrofuran	5.032	42	2212	3.854	ug/l #	54
30) Chloroform	5.105	83	2336m	0.785	ug/l	
32) 1,1,1-Trichloroethane	5.391	97	2212	0.848	ug/l #	50
36) 1,1-Dichloropropene	5.708	75	2016	0.934	ug/l	90
37) Ethyl Acetate	4.739	43	2002m	1.004	ug/l	
38) Carbon Tetrachloride	5.684	117	2124	0.906	ug/l	92
39) Methylcyclohexane	7.379	83	2485	0.875	ug/l	87
40) Benzene	6.044	78	5507	0.862	ug/l	97
41) Methacrylonitrile	4.965	41	857m	0.806	ug/l	
42) 1,2-Dichloroethane	6.098	62	1938	0.863	ug/l #	75
43) Isopropyl Acetate	6.367	43	2218	0.711	ug/l #	83
44) Trichloroethene	7.135	130	1448	0.889	ug/l	87
45) 1,2-Dichloropropane	7.434	63	1380	0.871	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1030	0.905	ug/l	89
47) Bromodichloromethane	7.824	83	1825	0.786	ug/l #	82
48) Methyl methacrylate	7.720	41	1050	0.671	ug/l #	80
49) 1,4-Dioxane	7.671	88	56	28.694	ug/l #	77
51) 4-Methyl-2-Pentanone	8.580	43	7273	3.910	ug/l	97
52) Toluene	8.726	92	3393	0.856	ug/l	96
53) t-1,3-Dichloropropene	8.994	75	1607	0.746	ug/l #	87
54) cis-1,3-Dichloropropene	8.372	75	1971	0.806	ug/l #	57
55) 1,1,2-Trichloroethane	9.153	97	1297	0.878	ug/l #	83
56) Ethyl methacrylate	9.122	69	1477	0.678	ug/l	93
57) 1,3-Dichloropropane	9.311	76	2249	0.885	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	3778	3.337	ug/l	92
59) 2-Hexanone	9.439	43	4833	3.758	ug/l	94
60) Dibromochloromethane	9.525	129	1436	0.825	ug/l	99
61) 1,2-Dibromoethane	9.610	107	1209	0.805	ug/l	90
64) Tetrachloroethene	9.275	164	1399	0.983	ug/l	95
65) Chlorobenzene	10.073	112	4127	0.910	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	1242	0.815	ug/l #	64
67) Ethyl Benzene	10.195	91	6967	0.880	ug/l	98
68) m/p-Xylenes	10.305	106	5214	1.767	ug/l	98
69) o-Xylene	10.646	106	2045	0.739	ug/l	80
70) Styrene	10.659	104	4077	0.842	ug/l	98
71) Bromoform	10.799	173	927	0.799	ug/l #	96
73) Isopropylbenzene	10.963	105	6314	0.828	ug/l	97
74) N-amyl acetate	10.848	43	1921	0.665	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	1690	0.793	ug/l	93
76) 1,2,3-Trichloropropane	11.238	75	1346m	0.640	ug/l	
77) Bromobenzene	11.201	156	1541	0.839	ug/l	95
78) n-propylbenzene	11.305	91	7545	0.833	ug/l	98
79) 2-Chlorotoluene	11.366	91	4896	0.905	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	5174	0.825	ug/l	94
82) 4-Chlorotoluene	11.457	91	5664	0.897	ug/l	99
83) tert-Butylbenzene	11.713	119	5507	0.850	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	5087	0.808	ug/l	99
85) sec-Butylbenzene	11.890	105	6839	0.835	ug/l	98
86) p-Isopropyltoluene	12.006	119	6018	0.871	ug/l	92
87) 1,3-Dichlorobenzene	11.969	146	3509	0.980	ug/l	96
88) 1,4-Dichlorobenzene	12.036	146	4003m	1.089	ug/l	
89) n-Butylbenzene	12.335	91	6186	0.943	ug/l	96
90) Hexachloroethane	12.536	117	1081	0.893	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	3024	0.904	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.951	75	277	0.659	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	2424	1.019	ug/l	99
94) Hexachlorobutadiene	13.725	225	1025	1.025	ug/l	97
95) Naphthalene	13.780	128	5461	0.806	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1982	0.871	ug/l	96

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

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