

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047356.D
 Acq On : 15 Aug 2025 12:30
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 18 02:56:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	286149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	494689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228745	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	1.184	85	3127	0.857	ug/l	94
3) Chloromethane	1.313	50	3143	0.958	ug/l	99
4) Vinyl Chloride	1.392	62	3606	0.876	ug/l #	68
6) Chloroethane	1.709	64	2950	1.171	ug/l	91
7) Trichlorofluoromethane	1.904	101	5369	0.881	ug/l	86
8) Diethyl Ether	2.148	74	1947	0.908	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.349	101	2830	0.801	ug/l #	90
12) 1,1-Dichloroethene	2.337	96	3176	0.882	ug/l #	84
14) Allyl chloride	2.684	41	5441m	0.869	ug/l	
15) Acrylonitrile	3.087	53	7106	4.221	ug/l	89
16) Acetone	2.392	43	7123	4.732	ug/l	91
17) Carbon Disulfide	2.532	76	11842	1.089	ug/l #	93
18) Methyl Acetate	2.721	43	3556	0.912	ug/l #	84
19) Methyl tert-butyl Ether	3.129	73	8892	0.811	ug/l	95
20) Methylene Chloride	2.812	84	3953	0.992	ug/l	88
21) trans-1,2-Dichloroethene	3.111	96	3552	0.929	ug/l #	87
22) Diisopropyl ether	3.782	45	9930	0.803	ug/l	96
23) Vinyl Acetate	3.751	43	40393	3.984	ug/l #	90
24) 1,1-Dichloroethane	3.629	63	6019	0.861	ug/l #	85
25) 2-Butanone	4.605	43	8214	4.166	ug/l #	87
26) 2,2-Dichloropropane	4.489	77	4442	0.842	ug/l	80
27) cis-1,2-Dichloroethene	4.513	96	3960	0.889	ug/l	88
28) Bromochloromethane	4.934	49	2750	0.945	ug/l #	89
29) Tetrahydrofuran	5.044	42	6273m	4.923	ug/l	
30) Chloroform	5.117	83	6246	0.875	ug/l	86
32) 1,1,1-Trichloroethane	5.415	97	4939	0.804	ug/l #	49
36) 1,1-Dichloropropene	5.708	75	4692	0.926	ug/l	94
37) Ethyl Acetate	4.757	43	4864m	0.924	ug/l	
38) Carbon Tetrachloride	5.696	117	5100	0.921	ug/l	92
39) Methylcyclohexane	7.391	83	5884	0.931	ug/l	88
40) Benzene	6.056	78	12977	0.855	ug/l	92
41) Methacrylonitrile	4.958	41	1736m	0.782	ug/l	
42) 1,2-Dichloroethane	6.123	62	4784	0.890	ug/l	88
43) Isopropyl Acetate	6.366	43	6382	0.844	ug/l #	81
44) Trichloroethene	7.141	130	3329	0.857	ug/l	87
45) 1,2-Dichloropropane	7.446	63	3532	0.929	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	2453	0.889	ug/l	94
47) Bromodichloromethane	7.830	83	5078	0.888	ug/l #	98
48) Methyl methacrylate	7.720	41	3480m	0.887	ug/l	
49) 1,4-Dioxane	7.708	88	559m	15.003	ug/l	
51) 4-Methyl-2-Pentanone	8.586	43	17109	3.933	ug/l	96
52) Toluene	8.726	92	7930	0.846	ug/l	99
53) t-1,3-Dichloropropene	8.988	75	3671	0.735	ug/l	91
54) cis-1,3-Dichloropropene	8.378	75	4466	0.790	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	3095	0.870	ug/l	97
56) Ethyl methacrylate	9.128	69	4003	0.763	ug/l	94
57) 1,3-Dichloropropane	9.311	76	5471	0.902	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.256	63	5074	10.313	ug/l	95
59) 2-Hexanone	9.439	43	11811	3.926	ug/l	92
60) Dibromochloromethane	9.524	129	3776	0.893	ug/l	87
61) 1,2-Dibromoethane	9.616	107	3325	0.906	ug/l	94
64) Tetrachloroethene	9.274	164	2888	0.875	ug/l	94
65) Chlorobenzene	10.079	112	9799	0.903	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	3146	0.858	ug/l #	65
67) Ethyl Benzene	10.195	91	15680	0.840	ug/l	90
68) m/p-Xylenes	10.305	106	11714	1.683	ug/l	98
69) o-Xylene	10.640	106	5943	0.887	ug/l	93
70) Styrene	10.664	104	8294	0.733	ug/l	91
71) Bromoform	10.805	173	2201	0.799	ug/l #	94
73) Isopropylbenzene	10.963	105	14688	0.821	ug/l	94
74) N-amyl acetate	10.853	43	4792	0.705	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	4778	0.909	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	3744m	0.892	ug/l	
77) Bromobenzene	11.201	156	3648	0.835	ug/l	92
78) n-propylbenzene	11.305	91	17866	0.836	ug/l	100
79) 2-Chlorotoluene	11.366	91	11644	0.901	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	12427	0.844	ug/l	99
82) 4-Chlorotoluene	11.457	91	13922	0.914	ug/l	97
83) tert-Butylbenzene	11.713	119	12162	0.828	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	11509	0.781	ug/l	99
85) sec-Butylbenzene	11.890	105	14973	0.822	ug/l	97
86) p-Isopropyltoluene	12.012	119	13546	0.879	ug/l	95
87) 1,3-Dichlorobenzene	11.975	146	7821	0.937	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	8856m	1.031	ug/l	
89) n-Butylbenzene	12.335	91	12883	0.899	ug/l	97
90) Hexachloroethane	12.536	117	2421	0.895	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	7461	0.941	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	876	0.862	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	5232	0.985	ug/l	99
94) Hexachlorobutadiene	13.725	225	2573	1.360	ug/l	95
95) Naphthalene	13.780	128	12231	0.805	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	4918	0.982	ug/l	99

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

