

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121525\
 Data File : VX048870.D
 Acq On : 15 Dec 2025 11:13
 Operator : JC/MD
 Sample : VX1215WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/16/2025
 Supervised By :Semsettin Yesilyurt 12/16/2025

Quant Time: Dec 16 00:13:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	159675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	269560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	244751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	118313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115239	53.771	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.540%
35) Dibromofluoromethane	5.361	113	98673	53.164	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.320%
50) Toluene-d8	8.628	98	340220	52.294	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.580%
62) 4-Bromofluorobenzene	11.061	95	119381	53.213	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.420%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	37012	22.750	ug/l	98
3) Chloromethane	1.301	50	39859	19.415	ug/l	100
4) Vinyl Chloride	1.380	62	40561	18.551	ug/l	95
5) Bromomethane	1.618	94	28778	21.298	ug/l	96
6) Chloroethane	1.697	64	25158	18.488	ug/l	91
7) Trichlorofluoromethane	1.898	101	60603	19.339	ug/l	99
8) Diethyl Ether	2.130	74	22085	17.657	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	34681	19.090	ug/l	98
10) Methyl Iodide	2.453	142	52028	20.117	ug/l	98
11) Tert butyl alcohol	2.928	59	13333	38.534	ug/l	99
12) 1,1-Dichloroethene	2.325	96	34134	18.409	ug/l	95
13) Acrolein	2.233	56	12068	70.496	ug/l	97
14) Allyl chloride	2.666	41	62761	20.161	ug/l	95
15) Acrylonitrile	3.050	53	74427	69.033	ug/l	100
16) Acetone	2.367	43	44486	54.223	ug/l	96
17) Carbon Disulfide	2.514	76	97160	18.044	ug/l	99
18) Methyl Acetate	2.697	43	32254	13.973	ug/l	98
19) Methyl tert-butyl Ether	3.099	73	112229	18.599	ug/l	100
20) Methylene Chloride	2.788	84	43265	21.098	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	37433	19.781	ug/l	89
22) Diisopropyl ether	3.745	45	135737	23.331	ug/l	87
23) Vinyl Acetate	3.703	43	481704	98.538	ug/l	97
24) 1,1-Dichloroethane	3.599	63	72760	22.427	ug/l	100
25) 2-Butanone	4.526	43	72237	59.657	ug/l	91
26) 2,2-Dichloropropane	4.465	77	62072	21.623	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	45746	21.422	ug/l	93
28) Bromochloromethane	4.873	49	34681	21.809	ug/l	87
29) Tetrahydrofuran	4.977	42	51287	55.469	ug/l	95
30) Chloroform	5.068	83	77004	22.151	ug/l	97
31) Cyclohexane	5.452	56	55646	19.211	ug/l	93
32) 1,1,1-Trichloroethane	5.361	97	64201	20.612	ug/l	95
36) 1,1-Dichloropropene	5.678	75	47402	18.647	ug/l	98
37) Ethyl Acetate	4.696	43	40196	13.233	ug/l	95
38) Carbon Tetrachloride	5.659	117	55880	19.407	ug/l	99
39) Methylcyclohexane	7.360	83	53430	17.775	ug/l	97
40) Benzene	6.019	78	157365	20.882	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	20770	15.028	ug/l	94
42) 1,2-Dichloroethane	6.062	62	55148	20.676	ug/l	96
43) Isopropyl Acetate	6.312	43	65735	14.292	ug/l	97
44) Trichloroethene	7.104	130	38982	19.825	ug/l	95
45) 1,2-Dichloropropane	7.409	63	40557	21.532	ug/l	98
46) Dibromomethane	7.562	93	27419	19.196	ug/l	98
47) Bromodichloromethane	7.805	83	62963	21.143	ug/l	98
48) Methyl methacrylate	7.671	41	32319	13.968	ug/l	100
49) 1,4-Dioxane	7.641	88	6270	197.040	ug/l	95
51) 4-Methyl-2-Pentanone	8.549	43	184984	64.795	ug/l	96
52) Toluene	8.702	92	100388	22.091	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	58998	20.824	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	65555	21.530	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	37020	20.247	ug/l	98
56) Ethyl methacrylate	9.098	69	48837	17.064	ug/l	98
57) 1,3-Dichloropropane	9.287	76	63060	20.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	138750	89.700	ug/l	97
59) 2-Hexanone	9.409	43	119362	59.559	ug/l	98
60) Dibromochloromethane	9.500	129	45796	20.256	ug/l	95
61) 1,2-Dibromoethane	9.592	107	35911	18.147	ug/l	96
64) Tetrachloroethene	9.256	164	31834	17.844	ug/l	98
65) Chlorobenzene	10.061	112	108626	20.276	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.140	131	40124	20.940	ug/l	99
67) Ethyl Benzene	10.177	91	182984	20.932	ug/l	98
68) m/p-Xylenes	10.281	106	140432	41.239	ug/l	99
69) o-Xylene	10.622	106	66564	20.860	ug/l	98
70) Styrene	10.634	104	116426	21.254	ug/l	100
71) Bromoform	10.781	173	28442	16.626	ug/l #	99
73) Isopropylbenzene	10.945	105	171732	21.539	ug/l	99
74) N-amyl acetate	10.823	43	58409	16.861	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	43869	16.307	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	38465m	17.455	ug/l	
77) Bromobenzene	11.177	156	44950	21.123	ug/l	100
78) n-propylbenzene	11.287	91	201790	21.853	ug/l	100
79) 2-Chlorotoluene	11.347	91	123574	21.946	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	143406	21.882	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	14053	15.148	ug/l #	79
82) 4-Chlorotoluene	11.433	91	144609	22.007	ug/l	99
83) tert-Butylbenzene	11.695	119	138232	20.300	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	144116	21.800	ug/l	99
85) sec-Butylbenzene	11.872	105	174114	21.098	ug/l	100
86) p-Isopropyltoluene	11.988	119	148382	21.034	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	81731	20.834	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	83796	20.670	ug/l	98
89) n-Butylbenzene	12.311	91	133532	20.217	ug/l	100
90) Hexachloroethane	12.518	117	28325	19.673	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	77785	20.452	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7598	11.605	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	47506	18.912	ug/l	98
94) Hexachlorobutadiene	13.707	225	19433	18.703	ug/l	99
95) Naphthalene	13.756	128	113435	17.194	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	41816	18.051	ug/l	98

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

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