

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
 Data File : VX048185.D
 Acq On : 15 Oct 2025 11:42
 Operator : JC/MD
 Sample : VX1015WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1015WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 04:03:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	124790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	220426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	191175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	99713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	90432	45.527	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.060%		
35) Dibromofluoromethane	5.367	113	82145	55.567	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.140%		
50) Toluene-d8	8.628	98	261176	51.059	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.120%		
62) 4-Bromofluorobenzene	11.061	95	101611	52.341	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.178	85	25310	19.586	ug/l	98
3) Chloromethane	1.300	50	30765	18.115	ug/l	100
4) Vinyl Chloride	1.380	62	33050	19.880	ug/l	100
5) Bromomethane	1.617	94	23380	22.178	ug/l	89
6) Chloroethane	1.697	64	21465	19.318	ug/l	94
7) Trichlorofluoromethane	1.898	101	50385	20.412	ug/l	100
8) Diethyl Ether	2.136	74	18017	17.843	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	29135	20.185	ug/l	99
10) Methyl Iodide	2.453	142	33901	15.060	ug/l	99
11) Tert butyl alcohol	2.934	59	15759	71.235	ug/l	99
12) 1,1-Dichloroethene	2.325	96	28985	19.550	ug/l	97
13) Acrolein	2.239	56	17114	83.948	ug/l	95
14) Allyl chloride	2.666	41	51965	16.985	ug/l	97
15) Acrylonitrile	3.056	53	73090	89.196	ug/l	98
16) Acetone	2.373	43	63712	73.769	ug/l	97
17) Carbon Disulfide	2.514	76	85222	20.997	ug/l	100
18) Methyl Acetate	2.696	43	31789	16.539	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	95562	17.657	ug/l	99
20) Methylene Chloride	2.788	84	33980	18.587	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	30368	19.025	ug/l	92
22) Diisopropyl ether	3.745	45	110535	18.642	ug/l #	75
23) Vinyl Acetate	3.708	43	424277	89.406	ug/l	99
24) 1,1-Dichloroethane	3.605	63	58950	18.705	ug/l	98
25) 2-Butanone	4.538	43	86136	79.954	ug/l	95
26) 2,2-Dichloropropane	4.464	77	47426	18.104	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	36834	18.842	ug/l	98
28) Bromochloromethane	4.885	49	26789	19.471	ug/l	98
29) Tetrahydrofuran	4.989	42	54051	83.401	ug/l	99
30) Chloroform	5.074	83	63913	20.069	ug/l	99
31) Cyclohexane	5.452	56	50184	19.119	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	54961	20.346	ug/l	98
36) 1,1-Dichloropropene	5.678	75	42949	19.882	ug/l	98
37) Ethyl Acetate	4.690	43	39168	16.935	ug/l	99
38) Carbon Tetrachloride	5.659	117	48376	20.612	ug/l	93
39) Methylcyclohexane	7.366	83	45775	18.668	ug/l	98
40) Benzene	6.019	78	116257	17.720	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	21056	17.634	ug/l	98
42) 1,2-Dichloroethane	6.068	62	43032	17.238	ug/l	97
43) Isopropyl Acetate	6.318	43	56895	14.999	ug/l	97
44) Trichloroethene	7.110	130	30649	19.322	ug/l	100
45) 1,2-Dichloropropane	7.409	63	32574	19.389	ug/l	100
46) Dibromomethane	7.561	93	24191	19.788	ug/l	99
47) Bromodichloromethane	7.805	83	51508	20.417	ug/l	96
48) Methyl methacrylate	7.677	41	31365	16.600	ug/l	97
49) 1,4-Dioxane	7.647	88	6328	331.392	ug/l	94
51) 4-Methyl-2-Pentanone	8.555	43	186575	88.711	ug/l	98
52) Toluene	8.701	92	79464	19.659	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	49067	19.068	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	51099	18.579	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	30919	19.837	ug/l	98
56) Ethyl methacrylate	9.098	69	43136	17.622	ug/l	97
57) 1,3-Dichloropropane	9.293	76	54163	20.229	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	90332	84.646	ug/l	100
59) 2-Hexanone	9.415	43	124314	82.300	ug/l	100
60) Dibromochloromethane	9.500	129	37990	21.154	ug/l	100
61) 1,2-Dibromoethane	9.592	107	31260	19.691	ug/l	99
64) Tetrachloroethene	9.256	164	26812	21.514	ug/l	98
65) Chlorobenzene	10.061	112	87195	20.077	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	31493	21.014	ug/l	98
67) Ethyl Benzene	10.177	91	145327	19.393	ug/l	98
68) m/p-Xylenes	10.287	106	111704	40.048	ug/l	98
69) o-Xylene	10.622	106	51862	19.224	ug/l	99
70) Styrene	10.640	104	92389	19.544	ug/l	99
71) Bromoform	10.780	173	23943	21.396	ug/l #	99
73) Isopropylbenzene	10.945	105	139274	18.372	ug/l	99
74) N-amyl acetate	10.823	43	54708	15.825	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41484	18.087	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	38008m	18.826	ug/l	
77) Bromobenzene	11.183	156	34435	18.443	ug/l	96
78) n-propylbenzene	11.286	91	165444	18.462	ug/l	100
79) 2-Chlorotoluene	11.347	91	99663	18.158	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	115126	18.484	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	12388	15.648	ug/l	95
82) 4-Chlorotoluene	11.439	91	118590	18.294	ug/l	100
83) tert-Butylbenzene	11.695	119	114470	17.954	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	115403	18.276	ug/l	99
85) sec-Butylbenzene	11.872	105	139574	18.430	ug/l	99
86) p-Isopropyltoluene	11.994	119	117962	18.399	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	63743	18.380	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	66207	18.601	ug/l	99
89) n-Butylbenzene	12.317	91	109457	18.450	ug/l	98
90) Hexachloroethane	12.518	117	23748	21.097	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	61647	18.659	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	7223	15.555	ug/l	94
93) 1,2,4-Trichlorobenzene	13.566	180	35892	16.715	ug/l	98
94) Hexachlorobutadiene	13.707	225	14389	19.728	ug/l	98
95) Naphthalene	13.755	128	100594	15.385	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	34559	17.302	ug/l	99

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

