

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048358.D
 Acq On : 27 Oct 2025 10:34
 Operator : JC/MD
 Sample : VX1027WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1027WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2025
 Supervised By : Mahesh Dadoda 10/28/2025

Quant Time: Oct 28 01:48:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	131714	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	225739	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	200520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	97723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	102830	55.682	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.360%			
35) Dibromofluoromethane	5.367	113	65003	42.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 84.360%			
50) Toluene-d8	8.629	98	270338	50.046	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.100%			
62) 4-Bromofluorobenzene	11.061	95	102009	49.640	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	23928	17.672	ug/l	97
3) Chloromethane	1.301	50	13074	10.344	ug/l	99
4) Vinyl Chloride	1.380	62	32130	27.453	ug/l	98
5) Bromomethane	1.618	94	12620	15.889	ug/l	97
6) Chloroethane	1.697	64	20092	29.215	ug/l	98
7) Trichlorofluoromethane	1.898	101	52988	23.607	ug/l	100
8) Diethyl Ether	2.130	74	18878	29.891	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	29259	20.585	ug/l	98
10) Methyl Iodide	2.459	142	106571	59.642	ug/l	98
11) Tert butyl alcohol	2.934	59	14551	79.359	ug/l	99
12) 1,1-Dichloroethene	2.325	96	28803	20.829	ug/l	99
13) Acrolein	2.233	56	23036	123.185	ug/l	97
14) Allyl chloride	2.660	41	49858	21.717	ug/l	95
15) Acrylonitrile	3.050	53	64189	97.085	ug/l	97
16) Acetone	2.367	43	43596	68.814	ug/l	97
17) Carbon Disulfide	2.514	76	77105	17.692	ug/l	97
18) Methyl Acetate	2.697	43	27468	20.761	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	101018	21.414	ug/l	100
20) Methylene Chloride	2.788	84	33021	21.391	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	30751	20.245	ug/l	92
22) Diisopropyl ether	3.745	45	112661	24.603	ug/l	93
23) Vinyl Acetate	3.709	43	396460	108.387	ug/l	99
24) 1,1-Dichloroethane	3.599	63	61948	22.373	ug/l	99
25) 2-Butanone	4.532	43	67977	84.771	ug/l	96
26) 2,2-Dichloropropane	4.459	77	54399	21.767	ug/l	96
27) cis-1,2-Dichloroethene	4.471	96	35859	20.228	ug/l	95
28) Bromochloromethane	4.879	49	25223	21.970	ug/l	100
29) Tetrahydrofuran	4.983	42	47457	98.817	ug/l	97
30) Chloroform	5.074	83	63934	21.613	ug/l	95
31) Cyclohexane	5.452	56	50252	21.922	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	57204	20.982	ug/l	98
36) 1,1-Dichloropropene	5.678	75	41298	18.854	ug/l	99
37) Ethyl Acetate	4.690	43	34501	19.003	ug/l	96
38) Carbon Tetrachloride	5.660	117	50288	18.609	ug/l	97
39) Methylcyclohexane	7.360	83	51325	19.841	ug/l	96
40) Benzene	6.019	78	129873	20.422	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	19069	20.000	ug/l	97
42) 1,2-Dichloroethane	6.068	62	49429	21.063	ug/l	99
43) Isopropyl Acetate	6.318	43	61550	20.639	ug/l	99
44) Trichloroethene	7.104	130	32785	19.524	ug/l	84
45) 1,2-Dichloropropane	7.409	63	32738	21.652	ug/l	97
46) Dibromomethane	7.562	93	22802	19.357	ug/l	97
47) Bromodichloromethane	7.799	83	51499	20.248	ug/l #	99
48) Methyl methacrylate	7.671	41	30560	20.307	ug/l	97
49) 1,4-Dioxane	7.641	88	6465	325.176	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	169748	98.720	ug/l	99
52) Toluene	8.702	92	80584	19.946	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	48247	19.685	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	51662	19.536	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	30438	20.259	ug/l	93
56) Ethyl methacrylate	9.098	69	41803	19.023	ug/l	96
57) 1,3-Dichloropropane	9.293	76	52274	20.369	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	111299	95.249	ug/l	99
59) 2-Hexanone	9.415	43	111918	93.344	ug/l	97
60) Dibromochloromethane	9.500	129	37622	18.631	ug/l	99
61) 1,2-Dibromoethane	9.592	107	30556	19.077	ug/l	98
64) Tetrachloroethene	9.256	164	30516	20.386	ug/l	98
65) Chlorobenzene	10.061	112	89607	19.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	31740	19.158	ug/l	100
67) Ethyl Benzene	10.177	91	151002	19.662	ug/l	99
68) m/p-Xylenes	10.281	106	115593	40.510	ug/l	99
69) o-Xylene	10.622	106	54110	19.642	ug/l	99
70) Styrene	10.640	104	95127	20.280	ug/l	99
71) Bromoform	10.781	173	22211	16.774	ug/l #	99
73) Isopropylbenzene	10.945	105	145535	20.390	ug/l	100
74) N-amyl acetate	10.823	43	53882	21.282	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	36758	18.858	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	28839m	18.198	ug/l	
77) Bromobenzene	11.177	156	34842	19.468	ug/l	98
78) n-propylbenzene	11.287	91	174843	21.157	ug/l	99
79) 2-Chlorotoluene	11.348	91	106955	21.346	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	121421	20.556	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	8614	13.224	ug/l #	63
82) 4-Chlorotoluene	11.433	91	123759	20.807	ug/l	100
83) tert-Butylbenzene	11.695	119	123407	20.334	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	121926	20.683	ug/l	99
85) sec-Butylbenzene	11.872	105	152817	20.929	ug/l	98
86) p-Isopropyltoluene	11.988	119	129074	20.452	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	65998	19.561	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	67168	19.217	ug/l	98
89) n-Butylbenzene	12.311	91	118188	20.574	ug/l	100
90) Hexachloroethane	12.518	117	22484	18.040	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	63922	20.179	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7375	18.640	ug/l	88
93) 1,2,4-Trichlorobenzene	13.567	180	40755	19.025	ug/l	98
94) Hexachlorobutadiene	13.707	225	17987	22.444	ug/l	96
95) Naphthalene	13.756	128	104899	18.483	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	38923	19.800	ug/l	98

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

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