

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047431.D
 Acq On : 20 Aug 2025 11:06
 Operator : JC/MD
 Sample : VX0820WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:27:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	227988	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	384011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162719	50.997	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.000%			
35) Dibromofluoromethane	5.391	113	125723	50.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	446972	50.176	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	169991	51.712	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	47766	16.435	ug/l	96
3) Chloromethane	1.313	50	44193	16.903	ug/l	100
4) Vinyl Chloride	1.392	62	53564	16.323	ug/l	99
5) Bromomethane	1.630	94	22897	17.274	ug/l	93
6) Chloroethane	1.703	64	33153	16.512	ug/l	94
7) Trichlorofluoromethane	1.904	101	80790	16.644	ug/l	97
8) Diethyl Ether	2.148	74	30154	17.643	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	49180	17.466	ug/l	99
10) Methyl Iodide	2.471	142	62366	12.925	ug/l	98
11) Tert butyl alcohol	2.959	59	28284	101.896	ug/l	99
12) 1,1-Dichloroethene	2.337	96	46858	16.324	ug/l	96
13) Acrolein	2.251	56	55323	94.415	ug/l	99
14) Allyl chloride	2.678	41	85637	17.176	ug/l	95
15) Acrylonitrile	3.081	53	130185	97.058	ug/l	99
16) Acetone	2.392	43	106316	88.645	ug/l	99
17) Carbon Disulfide	2.526	76	134531	15.531	ug/l	99
18) Methyl Acetate	2.715	43	61940	19.929	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	156324	17.901	ug/l	99
20) Methylene Chloride	2.800	84	55948	17.617	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	50391	16.539	ug/l	95
22) Diisopropyl ether	3.769	45	181876	18.455	ug/l	94
23) Vinyl Acetate	3.733	43	729825	90.349	ug/l	100
24) 1,1-Dichloroethane	3.623	63	97939	17.582	ug/l	99
25) 2-Butanone	4.568	43	156361	99.545	ug/l	95
26) 2,2-Dichloropropane	4.483	77	69257	16.473	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	60972	17.182	ug/l	98
28) Bromochloromethane	4.903	49	47632	20.549	ug/l	97
29) Tetrahydrofuran	5.031	42	97222	95.762	ug/l	97
30) Chloroform	5.099	83	102109	17.961	ug/l	100
31) Cyclohexane	5.483	56	84781	16.510	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	84427	17.254	ug/l	98
36) 1,1-Dichloropropene	5.702	75	69369	17.632	ug/l	99
37) Ethyl Acetate	4.727	43	69988	17.136	ug/l	99
38) Carbon Tetrachloride	5.690	117	73703	17.143	ug/l	98
39) Methylcyclohexane	7.385	83	81477	16.603	ug/l	95
40) Benzene	6.043	78	210834	17.904	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	32225	18.710	ug/l	95
42) 1,2-Dichloroethane	6.092	62	75740	18.158	ug/l	98
43) Isopropyl Acetate	6.348	43	107083	18.250	ug/l	99
44) Trichloroethene	7.129	130	51689	17.142	ug/l	89
45) 1,2-Dichloropropane	7.433	63	51821	17.566	ug/l	94
46) Dibromomethane	7.586	93	38833	18.131	ug/l	99
47) Bromodichloromethane	7.824	83	79446	17.893	ug/l #	97
48) Methyl methacrylate	7.696	41	55754	18.306	ug/l	97
49) 1,4-Dioxane	7.690	88	13278	448.471	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	330877	97.994	ug/l	98
52) Toluene	8.720	92	131557	18.079	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	69086	17.828	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	78242	17.838	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	52294	18.928	ug/l	97
56) Ethyl methacrylate	9.116	69	74450	18.278	ug/l	98
57) 1,3-Dichloropropane	9.305	76	88113	18.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	185370	100.474	ug/l	100
59) 2-Hexanone	9.433	43	223032	95.492	ug/l	100
60) Dibromochloromethane	9.518	129	60107	18.307	ug/l	100
61) 1,2-Dibromoethane	9.610	107	54038	18.968	ug/l	98
64) Tetrachloroethene	9.275	164	43565	17.037	ug/l	96
65) Chlorobenzene	10.079	112	146221	17.405	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	50211	17.680	ug/l	99
67) Ethyl Benzene	10.195	91	249927	17.284	ug/l	99
68) m/p-Xylenes	10.299	106	191975	35.606	ug/l	99
69) o-Xylene	10.640	106	89811	17.309	ug/l	99
70) Styrene	10.652	104	157756	17.994	ug/l	100
71) Bromoform	10.799	173	38527	18.058	ug/l #	98
73) Isopropylbenzene	10.963	105	241936	16.908	ug/l	99
74) N-amyl acetate	10.841	43	93131	17.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	75532	17.979	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	58654m	17.490	ug/l	
77) Bromobenzene	11.195	156	59608	17.060	ug/l	98
78) n-propylbenzene	11.305	91	287881	16.846	ug/l	98
79) 2-Chlorotoluene	11.360	91	172746	16.722	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	201744	17.136	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9836	18.609	ug/l	94
82) 4-Chlorotoluene	11.451	91	205121	16.845	ug/l	99
83) tert-Butylbenzene	11.713	119	200091	17.036	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	204454	17.366	ug/l	100
85) sec-Butylbenzene	11.890	105	254052	17.451	ug/l	99
86) p-Isopropyltoluene	12.006	119	212198	17.225	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	114949	17.221	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	113624	16.551	ug/l	97
89) n-Butylbenzene	12.329	91	196627	17.160	ug/l	99
90) Hexachloroethane	12.536	117	37123	17.177	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	110765	17.483	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14196	17.473	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	70584	16.618	ug/l	99
94) Hexachlorobutadiene	13.719	225	27444	18.153	ug/l	96
95) Naphthalene	13.774	128	209954	17.297	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	69798	17.434	ug/l	99

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

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