

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
 Data File : VX047515.D
 Acq On : 25 Aug 2025 12:30
 Operator : JC/MD
 Sample : VX0825WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0825WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/26/2025
 Supervised By : Mahesh Dadoda 08/26/2025

Quant Time: Aug 26 00:37:15 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	5.562	168	214399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	362286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	336317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	171222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159995	53.321	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.640%			
35) Dibromofluoromethane	5.391	113	126406	53.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	8.647	98	439455	52.291	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.580%			
62) 4-Bromofluorobenzene	11.079	95	169627	54.696	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	47106	17.235	ug/l	98
3) Chloromethane	1.313	50	40604	16.515	ug/l	98
4) Vinyl Chloride	1.392	62	50376	16.324	ug/l	98
5) Bromomethane	1.630	94	22641	18.164	ug/l	97
6) Chloroethane	1.703	64	31301	16.578	ug/l	98
7) Trichlorofluoromethane	1.904	101	79071	17.322	ug/l	99
8) Diethyl Ether	2.142	74	30374	18.898	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	49174	18.571	ug/l	100
10) Methyl Iodide	2.471	142	62327	13.735	ug/l	99
11) Tert butyl alcohol	2.959	59	28985	111.039	ug/l	98
12) 1,1-Dichloroethene	2.337	96	47876	17.735	ug/l	94
13) Acrolein	2.252	56	50663	91.942	ug/l	97
14) Allyl chloride	2.678	41	85977	18.337	ug/l	97
15) Acrylonitrile	3.081	53	126575	100.348	ug/l	99
16) Acetone	2.392	43	117297	103.999	ug/l	98
17) Carbon Disulfide	2.526	76	129324	15.876	ug/l	100
18) Methyl Acetate	2.715	43	66078	22.608	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	162051	19.733	ug/l	96
20) Methylene Chloride	2.806	84	55581	18.610	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	50717	17.702	ug/l	96
22) Diisopropyl ether	3.770	45	184451	19.902	ug/l	96
23) Vinyl Acetate	3.733	43	732391	96.413	ug/l	99
24) 1,1-Dichloroethane	3.623	63	98580	18.818	ug/l	98
25) 2-Butanone	4.562	43	160947	108.959	ug/l	96
26) 2,2-Dichloropropane	4.489	77	72462	18.327	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	60048	17.994	ug/l	98
28) Bromochloromethane	4.910	49	61189	28.070	ug/l	100
29) Tetrahydrofuran	5.026	42	93651	98.092	ug/l	99
30) Chloroform	5.105	83	105109	19.660	ug/l	99
31) Cyclohexane	5.477	56	84740	17.548	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	85718	18.628	ug/l	99
36) 1,1-Dichloropropene	5.696	75	68821	18.542	ug/l	99
37) Ethyl Acetate	4.727	43	69142	17.944	ug/l	99
38) Carbon Tetrachloride	5.690	117	72134	17.784	ug/l	95
39) Methylcyclohexane	7.385	83	82365	17.790	ug/l	97
40) Benzene	6.044	78	209800	18.884	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	31710	19.515	ug/l	98
42) 1,2-Dichloroethane	6.092	62	77289	19.641	ug/l	99
43) Isopropyl Acetate	6.342	43	111272	20.101	ug/l	98
44) Trichloroethene	7.129	130	51510	18.107	ug/l	97
45) 1,2-Dichloropropane	7.434	63	54365	19.533	ug/l	94
46) Dibromomethane	7.586	93	40124	19.858	ug/l	98
47) Bromodichloromethane	7.824	83	80993	19.335	ug/l	94
48) Methyl methacrylate	7.696	41	56365	19.617	ug/l	99
49) 1,4-Dioxane	7.678	88	12484	446.938	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	331559	104.084	ug/l	97
52) Toluene	8.720	92	131146	19.104	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	73150	20.009	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	82955	20.047	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	54052	20.738	ug/l	96
56) Ethyl methacrylate	9.116	69	75347	19.607	ug/l	98
57) 1,3-Dichloropropane	9.305	76	89806	20.220	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	180753	103.566	ug/l	98
59) 2-Hexanone	9.427	43	225082	102.149	ug/l	98
60) Dibromochloromethane	9.519	129	62142	20.061	ug/l	100
61) 1,2-Dibromoethane	9.610	107	54292	20.200	ug/l	98
64) Tetrachloroethene	9.275	164	44250	18.190	ug/l	97
65) Chlorobenzene	10.080	112	149776	18.740	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.159	131	51040	18.892	ug/l	100
67) Ethyl Benzene	10.189	91	253775	18.449	ug/l	100
68) m/p-Xylenes	10.299	106	189921	37.028	ug/l	98
69) o-Xylene	10.640	106	92693	18.779	ug/l	100
70) Styrene	10.653	104	160444	19.237	ug/l	98
71) Bromoform	10.799	173	40245	19.828	ug/l #	98
73) Isopropylbenzene	10.957	105	243759	18.192	ug/l	99
74) N-amyl acetate	10.842	43	93786	18.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	78886	20.052	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	61042m	19.438	ug/l	
77) Bromobenzene	11.195	156	60642	18.534	ug/l	99
78) n-propylbenzene	11.299	91	295363	18.457	ug/l	99
79) 2-Chlorotoluene	11.360	91	176231	18.218	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	203378	18.448	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10023	19.556	ug/l	95
82) 4-Chlorotoluene	11.451	91	212499	18.635	ug/l	100
83) tert-Butylbenzene	11.713	119	206998	18.820	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	208594	18.921	ug/l	99
85) sec-Butylbenzene	11.890	105	256101	18.786	ug/l	99
86) p-Isopropyltoluene	12.006	119	215764	18.704	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	115883	18.540	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	119033	18.516	ug/l	99
89) n-Butylbenzene	12.329	91	203791	18.993	ug/l	99
90) Hexachloroethane	12.536	117	37381	18.471	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	112035	18.884	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14446	18.988	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	73958	18.595	ug/l	98
94) Hexachlorobutadiene	13.725	225	27908	19.713	ug/l	100
95) Naphthalene	13.774	128	213991	18.827	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	70571	18.824	ug/l	97

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

