

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047487.D
 Acq On : 22 Aug 2025 11:22
 Operator : JC/MD
 Sample : VX0822WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBS01

Quant Time: Aug 25 01:24:32 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/25/2025
 Supervised By : Semsettin Yesilyurt 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	232449	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	415073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	390461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	202080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171028	52.572	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.140%			
35) Dibromofluoromethane	5.391	113	130007	48.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	8.647	98	449419	46.675	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.360%			
62) 4-Bromofluorobenzene	11.079	95	176754	49.746	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	51174	17.270	ug/l	99
3) Chloromethane	1.313	50	44538	16.708	ug/l	98
4) Vinyl Chloride	1.392	62	58849	17.589	ug/l	93
5) Bromomethane	1.630	94	23511	17.397	ug/l	94
6) Chloroethane	1.703	64	38529	18.821	ug/l	99
7) Trichlorofluoromethane	1.904	101	91060	18.400	ug/l	97
8) Diethyl Ether	2.148	74	36013	20.666	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	53596	18.669	ug/l	99
10) Methyl Iodide	2.471	142	66149	13.446	ug/l	97
11) Tert butyl alcohol	2.953	59	32571	115.088	ug/l	99
12) 1,1-Dichloroethene	2.337	96	54939	18.772	ug/l	96
13) Acrolein	2.246	56	69385	116.141	ug/l	100
14) Allyl chloride	2.678	41	99953	19.663	ug/l	98
15) Acrylonitrile	3.081	53	144182	105.431	ug/l	99
16) Acetone	2.392	43	128916	105.426	ug/l	98
17) Carbon Disulfide	2.526	76	155587	17.617	ug/l	99
18) Methyl Acetate	2.709	43	70950	22.390	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186480	20.944	ug/l	97
20) Methylene Chloride	2.800	84	66440	20.519	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	58539	18.845	ug/l	97
22) Diisopropyl ether	3.770	45	215371	21.434	ug/l	99
23) Vinyl Acetate	3.733	43	859031	104.303	ug/l	100
24) 1,1-Dichloroethane	3.623	63	113640	20.009	ug/l	97
25) 2-Butanone	4.562	43	176691	110.329	ug/l	99
26) 2,2-Dichloropropane	4.483	77	85341	19.909	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	72888	20.146	ug/l	98
28) Bromochloromethane	4.904	49	52453	22.194	ug/l	98
29) Tetrahydrofuran	5.026	42	104993	101.432	ug/l	98
30) Chloroform	5.099	83	121232	20.915	ug/l	98
31) Cyclohexane	5.483	56	94533	18.056	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	96493	19.341	ug/l	98
36) 1,1-Dichloropropene	5.696	75	76562	18.004	ug/l	99
37) Ethyl Acetate	4.721	43	72556	16.435	ug/l	97
38) Carbon Tetrachloride	5.684	117	83963	18.068	ug/l	98
39) Methylcyclohexane	7.385	83	87969	16.584	ug/l	99
40) Benzene	6.044	78	244459	19.206	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	36243	19.468	ug/l	97
42) 1,2-Dichloroethane	6.086	62	89482	19.847	ug/l	99
43) Isopropyl Acetate	6.348	43	126571	19.957	ug/l	99
44) Trichloroethene	7.129	130	60557	18.581	ug/l	100
45) 1,2-Dichloropropane	7.434	63	64005	20.072	ug/l	95
46) Dibromomethane	7.580	93	45646	19.717	ug/l	97
47) Bromodichloromethane	7.824	83	96072	20.018	ug/l	98
48) Methyl methacrylate	7.696	41	64383	19.558	ug/l	99
49) 1,4-Dioxane	7.690	88	12964	405.097	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	366900	100.531	ug/l	97
52) Toluene	8.720	92	151845	19.306	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	85073	20.311	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	96096	20.269	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	61171	20.484	ug/l	98
56) Ethyl methacrylate	9.116	69	88107	20.012	ug/l	99
57) 1,3-Dichloropropane	9.305	76	104397	20.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	176711	89.599	ug/l	98
59) 2-Hexanone	9.433	43	248238	98.330	ug/l	99
60) Dibromochloromethane	9.519	129	72418	20.406	ug/l	98
61) 1,2-Dibromoethane	9.610	107	60377	19.607	ug/l	99
64) Tetrachloroethene	9.275	164	50131	17.750	ug/l	98
65) Chlorobenzene	10.079	112	174653	18.823	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	59666	19.022	ug/l	98
67) Ethyl Benzene	10.189	91	289354	18.118	ug/l	100
68) m/p-Xylenes	10.299	106	221576	37.209	ug/l	100
69) o-Xylene	10.640	106	106294	18.548	ug/l	100
70) Styrene	10.653	104	186142	19.224	ug/l	99
71) Bromoform	10.799	173	44798	19.011	ug/l #	99
73) Isopropylbenzene	10.957	105	273545	17.298	ug/l	99
74) N-amyl acetate	10.842	43	104769	17.447	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87283	18.799	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	67433m	18.194	ug/l	
77) Bromobenzene	11.195	156	70615	18.287	ug/l	99
78) n-propylbenzene	11.299	91	330035	17.475	ug/l	100
79) 2-Chlorotoluene	11.360	91	202982	17.779	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	231822	17.817	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	11110	18.845	ug/l	97
82) 4-Chlorotoluene	11.451	91	240627	17.879	ug/l	100
83) tert-Butylbenzene	11.713	119	229135	17.652	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	237410	18.246	ug/l	99
85) sec-Butylbenzene	11.890	105	283969	17.649	ug/l	99
86) p-Isopropyltoluene	12.006	119	236780	17.391	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	131601	17.839	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	134836	17.771	ug/l	98
89) n-Butylbenzene	12.329	91	219671	17.347	ug/l	100
90) Hexachloroethane	12.536	117	38492	16.115	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	127172	18.162	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16058	17.884	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	81591	17.381	ug/l	98
94) Hexachlorobutadiene	13.719	225	27743	16.604	ug/l	97
95) Naphthalene	13.774	128	240627	17.938	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	77660	17.551	ug/l	98

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

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