

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047430.D
 Acq On : 20 Aug 2025 10:35
 Operator : JC/MD
 Sample : VX0820WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Quant Time: Aug 21 01:26:55 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 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	244648	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	407608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	188940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167819	49.014	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.020%		
35) Dibromofluoromethane	5.391	113	131872	49.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.700%		
50) Toluene-d8	8.647	98	465580	49.239	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.480%		
62) 4-Bromofluorobenzene	11.079	95	175075	50.176	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	53608	17.189	ug/l	99
3) Chloromethane	1.313	50	46690	16.642	ug/l	98
4) Vinyl Chloride	1.392	62	56657	16.089	ug/l	98
5) Bromomethane	1.630	94	23724	16.679	ug/l	97
6) Chloroethane	1.703	64	34003	15.782	ug/l	97
7) Trichlorofluoromethane	1.904	101	88810	17.050	ug/l	92
8) Diethyl Ether	2.148	74	30454	16.605	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	53855	17.824	ug/l	99
10) Methyl Iodide	2.471	142	60929	11.767	ug/l	96
11) Tert butyl alcohol	2.959	59	28713	96.397	ug/l	99
12) 1,1-Dichloroethene	2.337	96	51780	16.810	ug/l	100
13) Acrolein	2.246	56	55598	88.423	ug/l	97
14) Allyl chloride	2.678	41	88985	16.632	ug/l	100
15) Acrylonitrile	3.081	53	129142	89.724	ug/l	100
16) Acetone	2.386	43	115342	89.622	ug/l	96
17) Carbon Disulfide	2.526	76	143721	15.462	ug/l	98
18) Methyl Acetate	2.715	43	62524	18.747	ug/l	98
19) Methyl tert-butyl Ether	3.124	73	159152	16.984	ug/l	98
20) Methylene Chloride	2.800	84	58590	17.192	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	54587	16.697	ug/l	98
22) Diisopropyl ether	3.770	45	186733	17.657	ug/l	91
23) Vinyl Acetate	3.733	43	739375	85.298	ug/l	100
24) 1,1-Dichloroethane	3.623	63	102911	17.216	ug/l	99
25) 2-Butanone	4.568	43	156985	93.136	ug/l	100
26) 2,2-Dichloropropane	4.483	77	77655	17.212	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	64958	17.059	ug/l	98
28) Bromochloromethane	4.904	49	49457	19.883	ug/l #	14
29) Tetrahydrofuran	5.020	42	100323	92.088	ug/l	98
30) Chloroform	5.105	83	106236	17.414	ug/l	97
31) Cyclohexane	5.483	56	93514	16.971	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	90227	17.183	ug/l	98
36) 1,1-Dichloropropene	5.696	75	72507	17.363	ug/l	98
37) Ethyl Acetate	4.721	43	69374	16.002	ug/l #	96
38) Carbon Tetrachloride	5.690	117	80032	17.538	ug/l	97
39) Methylcyclohexane	7.385	83	89125	17.110	ug/l	94
40) Benzene	6.050	78	220365	17.630	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	32344	17.692	ug/l	93
42) 1,2-Dichloroethane	6.099	62	77919	17.599	ug/l	99
43) Isopropyl Acetate	6.349	43	110163	17.688	ug/l	99
44) Trichloroethene	7.135	130	54954	17.170	ug/l	99
45) 1,2-Dichloropropane	7.434	63	54273	17.332	ug/l	100
46) Dibromomethane	7.586	93	40698	17.902	ug/l	98
47) Bromodichloromethane	7.824	83	82328	17.469	ug/l	100
48) Methyl methacrylate	7.696	41	56854	17.587	ug/l	97
49) 1,4-Dioxane	7.690	88	11406	362.941	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	335125	93.506	ug/l	98
52) Toluene	8.720	92	138882	17.981	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	72403	17.602	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	81220	17.445	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	53137	18.120	ug/l	96
56) Ethyl methacrylate	9.116	69	75185	17.389	ug/l	99
57) 1,3-Dichloropropane	9.305	76	89328	17.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	187096	95.949	ug/l	98
59) 2-Hexanone	9.433	43	226987	91.559	ug/l	99
60) Dibromochloromethane	9.519	129	61655	17.691	ug/l	98
61) 1,2-Dibromoethane	9.610	107	52535	17.373	ug/l	100
64) Tetrachloroethene	9.275	164	45932	17.239	ug/l	97
65) Chlorobenzene	10.080	112	151755	17.336	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	52523	17.750	ug/l	98
67) Ethyl Benzene	10.195	91	264573	17.561	ug/l	98
68) m/p-Xylenes	10.299	106	200944	35.769	ug/l	99
69) o-Xylene	10.640	106	97003	17.943	ug/l	96
70) Styrene	10.653	104	164340	17.991	ug/l	100
71) Bromoform	10.799	173	39163	17.617	ug/l #	99
73) Isopropylbenzene	10.964	105	256220	17.329	ug/l	99
74) N-amyl acetate	10.842	43	93750	16.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	76376	17.594	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	60088m	17.340	ug/l	
77) Bromobenzene	11.195	156	62108	17.202	ug/l	98
78) n-propylbenzene	11.305	91	305865	17.321	ug/l	100
79) 2-Chlorotoluene	11.360	91	181694	17.021	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	210710	17.321	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10400	18.858	ug/l	96
82) 4-Chlorotoluene	11.451	91	216515	17.207	ug/l	99
83) tert-Butylbenzene	11.713	119	211697	17.442	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	213463	17.547	ug/l	99
85) sec-Butylbenzene	11.890	105	268675	17.860	ug/l	100
86) p-Isopropyltoluene	12.006	119	225219	17.692	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	116436	16.881	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	120251	16.951	ug/l	99
89) n-Butylbenzene	12.329	91	208015	17.569	ug/l	99
90) Hexachloroethane	12.536	117	37901	16.972	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	112636	17.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14705	17.516	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	71685	16.333	ug/l	99
94) Hexachlorobutadiene	13.719	225	27248	17.442	ug/l	98
95) Naphthalene	13.774	128	212701	16.959	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	70071	16.938	ug/l	100

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

