

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063025\
 Data File : VX046831.D
 Acq On : 30 Jun 2025 10:21
 Operator : JC/MD
 Sample : VX0630WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBS01

Quant Time: Jul 01 05:16:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/01/2025
 Supervised By : Mahesh Dadoda 07/01/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	153288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	250543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	119500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102605	48.393	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.780%			
35) Dibromofluoromethane	5.397	113	85760	51.735	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.480%			
50) Toluene-d8	8.647	98	307283	51.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.200%			
62) 4-Bromofluorobenzene	11.079	95	118592	53.419	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	29234	17.863	ug/l	97
3) Chloromethane	1.307	50	30996	17.547	ug/l	97
4) Vinyl Chloride	1.386	62	33070	17.556	ug/l	96
5) Bromomethane	1.630	94	23380	22.061	ug/l	94
6) Chloroethane	1.709	64	21119	18.498	ug/l	98
7) Trichlorofluoromethane	1.904	101	50998	17.830	ug/l	98
8) Diethyl Ether	2.148	74	17857	18.192	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	32308	18.413	ug/l	99
10) Methyl Iodide	2.471	142	26545	15.372	ug/l	98
11) Tert butyl alcohol	2.953	59	13404	70.435	ug/l	99
12) 1,1-Dichloroethene	2.337	96	31262	18.464	ug/l	99
13) Acrolein	2.252	56	21046	75.926	ug/l	99
14) Allyl chloride	2.678	41	55583	18.119	ug/l	97
15) Acrylonitrile	3.075	53	72814	85.091	ug/l	99
16) Acetone	2.386	43	57156	80.837	ug/l	100
17) Carbon Disulfide	2.532	76	84602	16.547	ug/l	98
18) Methyl Acetate	2.715	43	31383	17.476	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	90114	17.093	ug/l	100
20) Methylene Chloride	2.806	84	35192	17.898	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	31642	17.466	ug/l	98
22) Diisopropyl ether	3.770	45	112461	19.073	ug/l	97
23) Vinyl Acetate	3.733	43	414084	88.311	ug/l	99
24) 1,1-Dichloroethane	3.623	63	61521	18.376	ug/l	97
25) 2-Butanone	4.562	43	81103	81.105	ug/l	96
26) 2,2-Dichloropropane	4.495	77	45228	18.523	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	39480	18.549	ug/l	98
28) Bromochloromethane	4.916	49	34441	22.692	ug/l	99
29) Tetrahydrofuran	5.019	42	51919	80.383	ug/l	100
30) Chloroform	5.105	83	62894	18.785	ug/l	99
31) Cyclohexane	5.483	56	57527	18.120	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	53581	18.248	ug/l	99
36) 1,1-Dichloropropene	5.708	75	42316	17.684	ug/l	97
37) Ethyl Acetate	4.727	43	33866	15.332	ug/l	98
38) Carbon Tetrachloride	5.696	117	47176	18.166	ug/l	99
39) Methylcyclohexane	7.385	83	55684	17.684	ug/l	97
40) Benzene	6.050	78	135036	19.068	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	21434	18.202	ug/l	95
42) 1,2-Dichloroethane	6.098	62	45659	18.347	ug/l	99
43) Isopropyl Acetate	6.342	43	58019	16.786	ug/l	99
44) Trichloroethene	7.129	130	33971	18.823	ug/l	100
45) 1,2-Dichloropropane	7.434	63	32951	18.774	ug/l	100
46) Dibromomethane	7.586	93	23455	18.595	ug/l	99
47) Bromodichloromethane	7.824	83	49690	19.304	ug/l	99
48) Methyl methacrylate	7.696	41	30314	17.488	ug/l	99
49) 1,4-Dioxane	7.659	88	7583	320.433	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	179250	86.954	ug/l	98
52) Toluene	8.720	92	85197	19.406	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	44481	18.625	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	49974	18.432	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	31060	18.985	ug/l	96
56) Ethyl methacrylate	9.116	69	43124	17.856	ug/l	98
57) 1,3-Dichloropropane	9.311	76	53355	18.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	112873	89.970	ug/l	99
59) 2-Hexanone	9.427	43	119940	84.160	ug/l	99
60) Dibromochloromethane	9.519	129	36340	18.848	ug/l	97
61) 1,2-Dibromoethane	9.610	107	31416	18.878	ug/l	99
64) Tetrachloroethene	9.275	164	29431	18.260	ug/l	98
65) Chlorobenzene	10.079	112	93542	18.216	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	31012	17.969	ug/l	98
67) Ethyl Benzene	10.195	91	161509	18.000	ug/l	97
68) m/p-Xylenes	10.299	106	121995	36.490	ug/l	99
69) o-Xylene	10.640	106	58593	18.700	ug/l	97
70) Styrene	10.653	104	102987	18.782	ug/l	99
71) Bromoform	10.799	173	23710	18.039	ug/l #	100
73) Isopropylbenzene	10.957	105	157290	17.872	ug/l	99
74) N-amyl acetate	10.842	43	52253	15.670	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	42483	17.287	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	34076m	15.569	ug/l	
77) Bromobenzene	11.195	156	38465	18.162	ug/l	97
78) n-propylbenzene	11.305	91	188395	18.022	ug/l	99
79) 2-Chlorotoluene	11.360	91	110236	17.662	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	130564	18.052	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12253	15.824	ug/l	97
82) 4-Chlorotoluene	11.451	91	129884	17.831	ug/l	99
83) tert-Butylbenzene	11.713	119	129327	17.299	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	129757	17.857	ug/l	99
85) sec-Butylbenzene	11.890	105	165787	17.547	ug/l	100
86) p-Isopropyltoluene	12.006	119	138704	17.399	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	72514	17.560	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	74104	17.471	ug/l	99
89) n-Butylbenzene	12.329	91	130469	17.237	ug/l	99
90) Hexachloroethane	12.536	117	23489	16.826	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	69360	17.973	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7273	14.991	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	46575	16.976	ug/l	99
94) Hexachlorobutadiene	13.719	225	18462	15.997	ug/l	98
95) Naphthalene	13.774	128	127917	16.365	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	45001	17.145	ug/l	98

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

