

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046762.D
 Acq On : 19 Jun 2025 11:24
 Operator : JC/MD
 Sample : VX0619WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 05:16:39 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

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	137936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	227140	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94946	49.765	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.520%			
35) Dibromofluoromethane	5.397	113	78196	52.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	8.647	98	282602	52.340	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	11.079	95	108869	54.092	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	28069	19.060	ug/l	97
3) Chloromethane	1.307	50	29736	18.707	ug/l	99
4) Vinyl Chloride	1.386	62	32033	18.898	ug/l	93
5) Bromomethane	1.630	94	20191	21.172	ug/l	93
6) Chloroethane	1.709	64	20468	19.923	ug/l	98
7) Trichlorofluoromethane	1.910	101	47476	18.446	ug/l	99
8) Diethyl Ether	2.148	74	16252	18.400	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	29254	18.528	ug/l	99
10) Methyl Iodide	2.471	142	29614	18.018	ug/l	99
11) Tert butyl alcohol	2.959	59	10810	63.126	ug/l	97
12) 1,1-Dichloroethene	2.337	96	28292	18.570	ug/l	97
13) Acrolein	2.251	56	18186	72.910	ug/l	98
14) Allyl chloride	2.684	41	49324	17.868	ug/l	99
15) Acrylonitrile	3.075	53	62463	81.119	ug/l	98
16) Acetone	2.386	43	47143	74.096	ug/l	96
17) Carbon Disulfide	2.532	76	78405	17.041	ug/l	98
18) Methyl Acetate	2.715	43	25862	16.004	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	80635	16.997	ug/l	98
20) Methylene Chloride	2.806	84	32048	18.113	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	29757	18.253	ug/l	99
22) Diisopropyl ether	3.769	45	100392	18.921	ug/l	94
23) Vinyl Acetate	3.733	43	365712	86.676	ug/l	100
24) 1,1-Dichloroethane	3.623	63	55663	18.477	ug/l	99
25) 2-Butanone	4.568	43	70964m	78.864	ug/l	
26) 2,2-Dichloropropane	4.489	77	39442	17.951	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	35547	18.560	ug/l	98
28) Bromochloromethane	4.910	49	28430	20.816	ug/l	99
29) Tetrahydrofuran	5.013	42	44591	76.721	ug/l	99
30) Chloroform	5.105	83	57187	18.982	ug/l	93
31) Cyclohexane	5.483	56	53811	18.836	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	46675	17.665	ug/l	98
36) 1,1-Dichloropropene	5.702	75	40684	18.754	ug/l	99
37) Ethyl Acetate	4.727	43	31829	15.895	ug/l	98
38) Carbon Tetrachloride	5.690	117	42451	18.031	ug/l	99
39) Methylcyclohexane	7.385	83	52931	18.541	ug/l	99
40) Benzene	6.050	78	121111	18.864	ug/l	99

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41) Methacrylonitrile	4.928	41	17227	16.137	ug/l	99
42) 1,2-Dichloroethane	6.092	62	41780	18.518	ug/l	100
43) Isopropyl Acetate	6.348	43	51032	16.286	ug/l	99
44) Trichloroethene	7.135	130	30093	18.392	ug/l	99
45) 1,2-Dichloropropane	7.433	63	29323	18.429	ug/l	95
46) Dibromomethane	7.592	93	20791	18.181	ug/l	99
47) Bromodichloromethane	7.824	83	44034	18.870	ug/l	99
48) Methyl methacrylate	7.696	41	25618	16.301	ug/l	98
49) 1,4-Dioxane	7.659	88	6374	299.149	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	152568	81.636	ug/l	98
52) Toluene	8.720	92	75814	19.048	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	38942	17.985	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	44663	18.171	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	27505	18.544	ug/l	99
56) Ethyl methacrylate	9.116	69	37095	16.942	ug/l	98
57) 1,3-Dichloropropane	9.311	76	47213	18.484	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	101869	89.565	ug/l	99
59) 2-Hexanone	9.427	43	101986	78.935	ug/l	100
60) Dibromochloromethane	9.518	129	32154	18.395	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27221	18.042	ug/l	100
64) Tetrachloroethene	9.275	164	25376	17.655	ug/l	95
65) Chlorobenzene	10.079	112	82392	17.991	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	27463	17.843	ug/l	98
67) Ethyl Benzene	10.195	91	144047	18.002	ug/l	97
68) m/p-Xylenes	10.299	106	111044	37.244	ug/l	100
69) o-Xylene	10.640	106	51894	18.572	ug/l	98
70) Styrene	10.652	104	89289	18.260	ug/l	99
71) Bromoform	10.799	173	19576	16.701	ug/l #	98
73) Isopropylbenzene	10.957	105	139510	18.100	ug/l	99
74) N-amyl acetate	10.841	43	46412	15.893	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	37312	17.337	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29393m	15.335	ug/l	
77) Bromobenzene	11.195	156	33896	18.275	ug/l	99
78) n-propylbenzene	11.299	91	168589	18.415	ug/l	99
79) 2-Chlorotoluene	11.360	91	99687	18.238	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	115409	18.221	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10102	14.897	ug/l	96
82) 4-Chlorotoluene	11.451	91	116713	18.296	ug/l	99
83) tert-Butylbenzene	11.713	119	118027	18.027	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	116817	18.357	ug/l	99
85) sec-Butylbenzene	11.890	105	153043	18.496	ug/l	100
86) p-Isopropyltoluene	12.006	119	127841	18.312	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64330	17.788	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	64856	17.460	ug/l	99
89) n-Butylbenzene	12.329	91	118756	17.915	ug/l	100
90) Hexachloroethane	12.536	117	20652	16.893	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	61156	18.096	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6425	15.122	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	41109	17.110	ug/l	98
94) Hexachlorobutadiene	13.719	225	17833	17.644	ug/l	96
95) Naphthalene	13.774	128	110507	16.144	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	40546	17.639	ug/l	99

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

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