

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081825\
 Data File : VX047375.D
 Acq On : 18 Aug 2025 12:44
 Operator : JC/MD
 Sample : VX0818WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0818WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/19/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 01:39:43 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	235521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	398008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	370209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	191427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170578	51.750	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.500%			
35) Dibromofluoromethane	5.391	113	133458	51.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.340%			
50) Toluene-d8	8.647	98	474556	51.399	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.800%			
62) 4-Bromofluorobenzene	11.079	95	179282	52.621	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.240%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	60494	20.149	ug/l	99
3) Chloromethane	1.313	50	61794	22.879	ug/l	100
4) Vinyl Chloride	1.392	62	63982	18.874	ug/l #	39
5) Bromomethane	1.630	94	20458	14.941	ug/l	91
6) Chloroethane	1.709	64	48061	23.172	ug/l	100
7) Trichlorofluoromethane	1.904	101	96712	19.287	ug/l	98
8) Diethyl Ether	2.148	74	35126	19.894	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	58430	20.088	ug/l	99
10) Methyl Iodide	2.471	142	82525	16.556	ug/l	99
11) Tert butyl alcohol	2.959	59	32361	112.854	ug/l	97
12) 1,1-Dichloroethene	2.337	96	56741	19.134	ug/l	97
13) Acrolein	2.252	56	719m	1.188	ug/l	
14) Allyl chloride	2.678	41	83905	16.291	ug/l	97
15) Acrylonitrile	3.081	53	145392	104.929	ug/l	99
16) Acetone	2.392	43	125152	101.012	ug/l	99
17) Carbon Disulfide	2.532	76	191928	21.448	ug/l	100
18) Methyl Acetate	2.715	43	72026	22.433	ug/l	94
19) Methyl tert-butyl Ether	3.123	73	184426	20.443	ug/l	96
20) Methylene Chloride	2.806	84	63679	19.409	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	60251	19.143	ug/l	97
22) Diisopropyl ether	3.770	45	209869	20.614	ug/l	86
23) Vinyl Acetate	3.733	43	860528	103.122	ug/l	100
24) 1,1-Dichloroethane	3.623	63	113813	19.778	ug/l	98
25) 2-Butanone	4.568	43	169460	104.434	ug/l	97
26) 2,2-Dichloropropane	4.483	77	80899	18.626	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	72443	19.762	ug/l	99
28) Bromochloromethane	4.904	49	47835	19.976	ug/l	99
29) Tetrahydrofuran	5.025	42	106985	102.008	ug/l	98
30) Chloroform	5.099	83	118735	20.217	ug/l	97
31) Cyclohexane	5.477	56	102512	19.325	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	100146	19.811	ug/l	98
36) 1,1-Dichloropropene	5.702	75	80725	19.797	ug/l	99
37) Ethyl Acetate	4.721	43	79484	18.776	ug/l	97
38) Carbon Tetrachloride	5.684	117	89631	20.115	ug/l	95
39) Methylcyclohexane	7.385	83	100021	19.665	ug/l	92
40) Benzene	6.044	78	249658	20.455	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	36850	20.643	ug/l	98
42) 1,2-Dichloroethane	6.092	62	90345	20.898	ug/l	99
43) Isopropyl Acetate	6.342	43	125441	20.627	ug/l	99
44) Trichloroethene	7.129	130	61892	19.804	ug/l	99
45) 1,2-Dichloropropane	7.434	63	62740	20.519	ug/l	92
46) Dibromomethane	7.586	93	46329	20.871	ug/l	98
47) Bromodichloromethane	7.824	83	92962	20.201	ug/l	98
48) Methyl methacrylate	7.696	41	64892	20.557	ug/l	97
49) 1,4-Dioxane	7.684	88	11209	365.275	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	380754	108.800	ug/l	98
52) Toluene	8.720	92	158216	20.978	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	83433	20.773	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	91678	20.167	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	59627	20.823	ug/l	98
56) Ethyl methacrylate	9.116	69	88354	20.928	ug/l	99
57) 1,3-Dichloropropane	9.305	76	102836	21.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	178905	94.134	ug/l	98
59) 2-Hexanone	9.433	43	258269	106.690	ug/l	99
60) Dibromochloromethane	9.519	129	71298	20.951	ug/l	100
61) 1,2-Dibromoethane	9.610	107	62071	21.021	ug/l	98
64) Tetrachloroethene	9.275	164	53436	19.955	ug/l	98
65) Chlorobenzene	10.079	112	173739	19.748	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60140	20.222	ug/l	98
67) Ethyl Benzene	10.195	91	299018	19.748	ug/l	99
68) m/p-Xylenes	10.299	106	228585	40.486	ug/l	100
69) o-Xylene	10.640	106	107309	19.750	ug/l	100
70) Styrene	10.652	104	184361	20.081	ug/l	100
71) Bromoform	10.799	173	46255	20.703	ug/l #	100
73) Isopropylbenzene	10.957	105	287576	19.197	ug/l	100
74) N-amyl acetate	10.841	43	111520	19.604	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87410	19.874	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	65880m	18.764	ug/l	
77) Bromobenzene	11.195	156	71076	19.430	ug/l	99
78) n-propylbenzene	11.305	91	341340	19.079	ug/l	99
79) 2-Chlorotoluene	11.360	91	207518	19.188	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	241050	19.557	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6928	15.093	ug/l	91
82) 4-Chlorotoluene	11.451	91	244966	19.215	ug/l	99
83) tert-Butylbenzene	11.713	119	238742	19.415	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	241810	19.618	ug/l	99
85) sec-Butylbenzene	11.890	105	301301	19.769	ug/l	98
86) p-Isopropyltoluene	12.006	119	249604	19.353	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	134802	19.290	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	136399	18.977	ug/l	99
89) n-Butylbenzene	12.329	91	228427	19.042	ug/l	100
90) Hexachloroethane	12.536	117	40863	18.060	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	128589	19.386	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17026	20.017	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	83552	18.790	ug/l	100
94) Hexachlorobutadiene	13.719	225	28659	18.107	ug/l	97
95) Naphthalene	13.774	128	248413	19.549	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	80375	19.176	ug/l	100

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

