

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047405.D
 Acq On : 19 Aug 2025 12:37
 Operator : JC/MD
 Sample : VX0819WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 19 12:54:23 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	5.568	168	228746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	395063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	371284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	189413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	173401	54.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.320%			
35) Dibromofluoromethane	5.397	113	133228	51.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.920%			
50) Toluene-d8	8.653	98	464961	50.736	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.480%			
62) 4-Bromofluorobenzene	11.079	95	181529	53.678	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	48167	16.518	ug/l	99
3) Chloromethane	1.313	50	47416	18.076	ug/l	95
4) Vinyl Chloride	1.392	62	54098	16.431	ug/l #	64
5) Bromomethane	1.630	94	18415	13.847	ug/l	98
6) Chloroethane	1.709	64	40053	19.883	ug/l	99
7) Trichlorofluoromethane	1.904	101	79190	16.260	ug/l	94
8) Diethyl Ether	2.148	74	31587	18.420	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	47865	16.943	ug/l	100
10) Methyl Iodide	2.471	142	60898	12.579	ug/l	96
11) Tert butyl alcohol	2.965	59	30718	110.297	ug/l	98
12) 1,1-Dichloroethene	2.337	96	47603	16.528	ug/l	95
13) Acrolein	2.251	56	49016	83.374	ug/l	99
14) Allyl chloride	2.678	41	86456	17.283	ug/l	99
15) Acrylonitrile	3.081	53	131580	97.773	ug/l	98
16) Acetone	2.392	43	118674	98.621	ug/l	96
17) Carbon Disulfide	2.532	76	143093	16.465	ug/l	99
18) Methyl Acetate	2.715	43	63853	20.477	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	165202	18.855	ug/l	95
20) Methylene Chloride	2.806	84	58414	18.332	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	52164	17.065	ug/l	95
22) Diisopropyl ether	3.776	45	185604	18.771	ug/l	97
23) Vinyl Acetate	3.739	43	769207	94.909	ug/l	99
24) 1,1-Dichloroethane	3.629	63	100080	17.907	ug/l	97
25) 2-Butanone	4.568	43	160156	101.623	ug/l	99
26) 2,2-Dichloropropane	4.495	77	72356	17.153	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	63332	17.788	ug/l	100
28) Bromochloromethane	4.916	49	50702	21.801	ug/l	98
29) Tetrahydrofuran	5.025	42	102951	101.069	ug/l	98
30) Chloroform	5.105	83	104850	18.382	ug/l	97
31) Cyclohexane	5.483	56	81758	15.869	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	86106	17.538	ug/l	99
36) 1,1-Dichloropropene	5.708	75	66551	16.443	ug/l	98
37) Ethyl Acetate	4.727	43	75546	17.979	ug/l	98
38) Carbon Tetrachloride	5.690	117	75099	16.979	ug/l	98
39) Methylcyclohexane	7.385	83	80376	15.920	ug/l	96
40) Benzene	6.050	78	213254	17.603	ug/l	98

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41) Methacrylonitrile	4.946	41	33732	19.037	ug/l	98
42) 1,2-Dichloroethane	6.098	62	81377	18.964	ug/l	99
43) Isopropyl Acetate	6.348	43	116749	19.341	ug/l	99
44) Trichloroethene	7.135	130	53112	17.122	ug/l	99
45) 1,2-Dichloropropane	7.433	63	55453	18.271	ug/l	99
46) Dibromomethane	7.586	93	41218	18.707	ug/l	98
47) Bromodichloromethane	7.824	83	82785	18.123	ug/l	96
48) Methyl methacrylate	7.696	41	59306	18.928	ug/l	98
49) 1,4-Dioxane	7.683	88	12842	421.610	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	351322	101.138	ug/l	98
52) Toluene	8.720	92	135282	18.071	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	74320	18.642	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	82154	18.206	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	54565	19.197	ug/l	98
56) Ethyl methacrylate	9.116	69	80828	19.288	ug/l	98
57) 1,3-Dichloropropane	9.311	76	92722	19.145	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	190782	100.511	ug/l	100
59) 2-Hexanone	9.433	43	241137	100.355	ug/l	97
60) Dibromochloromethane	9.518	129	62976	18.644	ug/l	99
61) 1,2-Dibromoethane	9.610	107	56725	19.354	ug/l	96
64) Tetrachloroethene	9.275	164	44006	16.386	ug/l	98
65) Chlorobenzene	10.079	112	150949	17.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	51594	17.298	ug/l	99
67) Ethyl Benzene	10.195	91	255830	16.847	ug/l	100
68) m/p-Xylenes	10.299	106	194493	34.348	ug/l	98
69) o-Xylene	10.640	106	92973	17.062	ug/l	100
70) Styrene	10.652	104	162232	17.620	ug/l	100
71) Bromoform	10.799	173	40831	18.222	ug/l #	98
73) Isopropylbenzene	10.963	105	244270	16.480	ug/l	99
74) N-amyl acetate	10.841	43	100184	17.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	79781	18.332	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	59679m	17.179	ug/l	
77) Bromobenzene	11.195	156	63251	17.475	ug/l	97
78) n-propylbenzene	11.305	91	293555	16.583	ug/l	100
79) 2-Chlorotoluene	11.360	91	179419	16.766	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	206343	16.919	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9694	18.086	ug/l	93
82) 4-Chlorotoluene	11.451	91	212416	16.839	ug/l	100
83) tert-Butylbenzene	11.713	119	203047	16.688	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	208526	17.098	ug/l	99
85) sec-Butylbenzene	11.890	105	251738	16.692	ug/l	100
86) p-Isopropyltoluene	12.006	119	213521	16.732	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	118575	17.148	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	118652	16.684	ug/l	98
89) n-Butylbenzene	12.329	91	197278	16.620	ug/l	100
90) Hexachloroethane	12.536	117	36224	16.180	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	113288	17.261	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14730	17.502	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	72411	16.457	ug/l	99
94) Hexachlorobutadiene	13.719	225	25996	16.599	ug/l	97
95) Naphthalene	13.774	128	219869	17.486	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	71446	17.227	ug/l	98

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

