

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047425.D
 Acq On : 19 Aug 2025 19:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Aug 20 01:33:56 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	223750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	400909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	374153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	191138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	177256	56.605	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.220%			
35) Dibromofluoromethane	5.397	113	135082	51.916	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.840%			
50) Toluene-d8	8.653	98	460594	49.526	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.060%			
62) 4-Bromofluorobenzene	11.079	95	187594	54.662	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	122389	42.909	ug/l	99
3) Chloromethane	1.313	50	113628	44.284	ug/l	99
4) Vinyl Chloride	1.392	62	141572	43.958	ug/l	99
5) Bromomethane	1.624	94	56610	43.518	ug/l	98
6) Chloroethane	1.703	64	83257	42.252	ug/l	99
7) Trichlorofluoromethane	1.904	101	204089	42.842	ug/l	98
8) Diethyl Ether	2.148	74	81882	48.815	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	116723	42.239	ug/l	98
10) Methyl Iodide	2.471	142	150394	31.758	ug/l	99
11) Tert butyl alcohol	2.965	59	74502	273.483	ug/l	96
12) 1,1-Dichloroethene	2.337	96	124577	44.220	ug/l	95
13) Acrolein	2.252	56	153473	266.880	ug/l	99
14) Allyl chloride	2.684	41	219208	44.799	ug/l	99
15) Acrylonitrile	3.081	53	341211	259.205	ug/l	99
16) Acetone	2.392	43	271040	230.270	ug/l	97
17) Carbon Disulfide	2.532	76	339858	39.978	ug/l	100
18) Methyl Acetate	2.715	43	167342	54.862	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	419584	48.957	ug/l	99
20) Methylene Chloride	2.806	84	146215	46.911	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	132919	44.453	ug/l	97
22) Diisopropyl ether	3.776	45	479885	49.616	ug/l	95
23) Vinyl Acetate	3.733	43	1963477	247.674	ug/l	99
24) 1,1-Dichloroethane	3.623	63	256138	46.852	ug/l	99
25) 2-Butanone	4.568	43	406290	263.558	ug/l	99
26) 2,2-Dichloropropane	4.495	77	162354	39.347	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	160514	46.090	ug/l	98
28) Bromochloromethane	4.910	49	120442	52.943	ug/l	99
29) Tetrahydrofuran	5.025	42	258930	259.873	ug/l	99
30) Chloroform	5.105	83	264579	47.421	ug/l	98
31) Cyclohexane	5.489	56	210293	41.728	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	213461	44.449	ug/l	99
36) 1,1-Dichloropropene	5.702	75	172322	41.954	ug/l	100
37) Ethyl Acetate	4.727	43	188718	44.258	ug/l	98
38) Carbon Tetrachloride	5.696	117	183554	40.895	ug/l	95
39) Methylcyclohexane	7.385	83	198884	38.819	ug/l	94
40) Benzene	6.050	78	540313	43.949	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	85601	47.606	ug/l	96
42) 1,2-Dichloroethane	6.098	62	197600	45.376	ug/l	99
43) Isopropyl Acetate	6.354	43	293062	47.841	ug/l	99
44) Trichloroethene	7.129	130	133973	42.559	ug/l	96
45) 1,2-Dichloropropane	7.433	63	138835	45.077	ug/l	98
46) Dibromomethane	7.586	93	102584	45.878	ug/l	98
47) Bromodichloromethane	7.824	83	207551	44.775	ug/l	100
48) Methyl methacrylate	7.696	41	151800	47.741	ug/l	100
49) 1,4-Dioxane	7.683	88	31220	1010.025	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	876089	248.529	ug/l	98
52) Toluene	8.720	92	338753	44.591	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	184995	45.727	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	207853	45.391	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	133696	46.352	ug/l	98
56) Ethyl methacrylate	9.116	69	206281	48.508	ug/l	99
57) 1,3-Dichloropropane	9.311	76	228701	46.532	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	483102	238.311	ug/l	99
59) 2-Hexanone	9.433	43	598364	245.394	ug/l	100
60) Dibromochloromethane	9.518	129	156660	45.703	ug/l	100
61) 1,2-Dibromoethane	9.610	107	136293	45.823	ug/l	99
64) Tetrachloroethene	9.275	164	107708	39.799	ug/l	99
65) Chlorobenzene	10.079	112	371836	41.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	130456	43.404	ug/l	100
67) Ethyl Benzene	10.195	91	642123	41.960	ug/l	99
68) m/p-Xylenes	10.299	106	485680	85.114	ug/l	99
69) o-Xylene	10.640	106	234310	42.669	ug/l	99
70) Styrene	10.652	104	409804	44.167	ug/l	99
71) Bromoform	10.799	173	98912	43.805	ug/l #	99
73) Isopropylbenzene	10.963	105	604342	40.404	ug/l	99
74) N-amyl acetate	10.841	43	253123	44.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	189997	43.264	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	150321m	42.879	ug/l	
77) Bromobenzene	11.195	156	151274	41.417	ug/l	99
78) n-propylbenzene	11.305	91	718624	40.228	ug/l	99
79) 2-Chlorotoluene	11.360	91	435174	40.298	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	499524	40.589	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28218	37.350	ug/l	100
82) 4-Chlorotoluene	11.451	91	504359	39.621	ug/l	99
83) tert-Butylbenzene	11.713	119	497254	40.499	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	509532	41.402	ug/l	99
85) sec-Butylbenzene	11.890	105	611062	40.153	ug/l	100
86) p-Isopropyltoluene	12.006	119	512989	39.835	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	282173	40.440	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	284933	39.703	ug/l	100
89) n-Butylbenzene	12.329	91	478191	39.923	ug/l	100
90) Hexachloroethane	12.536	117	90127	39.894	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	270890	40.902	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37223	43.828	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	178812	40.273	ug/l	99
94) Hexachlorobutadiene	13.725	225	58535	37.038	ug/l	99
95) Naphthalene	13.774	128	564719	44.507	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	172490	41.215	ug/l	99

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

