

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
 Data File : VX047346.D
 Acq On : 14 Aug 2025 17:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 01:32:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	208278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	371282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	173101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	142035	54.745	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.480%			
35) Dibromofluoromethane	5.404	113	108232	47.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.420%			
50) Toluene-d8	8.653	98	367633	49.520	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.040%			
62) 4-Bromofluorobenzene	11.079	95	144917	45.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	123251	44.552	ug/l	99
3) Chloromethane	1.313	50	116779	42.674	ug/l	98
4) Vinyl Chloride	1.392	62	132946	45.194	ug/l #	65
5) Bromomethane	1.624	94	56141	35.133	ug/l	96
6) Chloroethane	1.703	64	95172	49.260	ug/l	98
7) Trichlorofluoromethane	1.904	101	195362	44.538	ug/l	99
8) Diethyl Ether	2.148	74	77456	50.082	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	114394	43.287	ug/l	99
10) Methyl Iodide	2.471	142	191452	71.083	ug/l	99
11) Tert butyl alcohol	2.965	59	86587	287.013	ug/l	99
12) 1,1-Dichloroethene	2.337	96	120541	46.053	ug/l	98
13) Acrolein	2.252	56	150549	269.492	ug/l	100
14) Allyl chloride	2.684	41	216535	45.765	ug/l	97
15) Acrylonitrile	3.087	53	347215	280.605	ug/l	99
16) Acetone	2.392	43	285180	274.381	ug/l	99
17) Carbon Disulfide	2.532	76	324913	42.909	ug/l	99
18) Methyl Acetate	2.715	43	180663	65.409	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	415516	52.161	ug/l	98
20) Methylene Chloride	2.806	84	140906	49.279	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	127056	47.436	ug/l	97
22) Diisopropyl ether	3.776	45	468017	51.450	ug/l	100
23) Vinyl Acetate	3.739	43	1949875	267.249	ug/l	99
24) 1,1-Dichloroethane	3.629	63	245858	48.604	ug/l	99
25) 2-Butanone	4.568	43	400945	264.931	ug/l	100
26) 2,2-Dichloropropane	4.495	77	179072	45.732	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	155444	49.009	ug/l	98
28) Bromochloromethane	4.910	49	119086	51.172	ug/l	98
29) Tetrahydrofuran	5.026	42	266756	273.186	ug/l	98
30) Chloroform	5.111	83	257758	50.059	ug/l	98
31) Cyclohexane	5.483	56	194284	40.057	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	208412	46.599	ug/l	99
36) 1,1-Dichloropropene	5.708	75	159206	40.742	ug/l	99
37) Ethyl Acetate	4.727	43	203572	56.537	ug/l	96
38) Carbon Tetrachloride	5.696	117	181954	43.627	ug/l	95
39) Methylcyclohexane	7.391	83	186724	38.272	ug/l	97
40) Benzene	6.050	78	523138	46.260	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	91974	48.853	ug/l #	93
42) 1,2-Dichloroethane	6.098	62	194195	48.749	ug/l	98
43) Isopropyl Acetate	6.348	43	300019	53.447	ug/l	99
44) Trichloroethene	7.135	130	127653	44.020	ug/l	99
45) 1,2-Dichloropropane	7.440	63	134112	47.350	ug/l	99
46) Dibromomethane	7.586	93	101916	51.312	ug/l	99
47) Bromodichloromethane	7.824	83	203387	48.109	ug/l	100
48) Methyl methacrylate	7.696	41	153774	50.286	ug/l	99
49) 1,4-Dioxane	7.678	88	33750	970.369	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	912658	273.536	ug/l	100
52) Toluene	8.720	92	320957	46.158	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	188226	47.148	ug/l	96
54) cis-1,3-Dichloropropene	8.372	75	203618	46.601	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	132472	50.800	ug/l	98
56) Ethyl methacrylate	9.116	69	206281	53.433	ug/l	99
57) 1,3-Dichloropropane	9.311	76	222657	49.129	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	469143	218.383	ug/l	100
59) 2-Hexanone	9.433	43	642479	291.456	ug/l	100
60) Dibromochloromethane	9.519	129	151761	49.621	ug/l	99
61) 1,2-Dibromoethane	9.610	107	135649	49.748	ug/l	100
64) Tetrachloroethene	9.275	164	103393	41.472	ug/l	95
65) Chlorobenzene	10.079	112	362501	44.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	125458	45.994	ug/l	100
67) Ethyl Benzene	10.195	91	617847	43.616	ug/l	99
68) m/p-Xylenes	10.299	106	464984	87.716	ug/l	99
69) o-Xylene	10.640	106	228871	45.384	ug/l	98
70) Styrene	10.653	104	394790	45.654	ug/l	99
71) Bromoform	10.799	173	100790	48.644	ug/l	99
73) Isopropylbenzene	10.963	105	583129	42.699	ug/l	99
74) N-amyl acetate	10.842	43	256809	46.606	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	191907	49.195	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	150314m	46.914	ug/l	
77) Bromobenzene	11.195	156	145093	44.295	ug/l	99
78) n-propylbenzene	11.305	91	691822	42.392	ug/l	99
79) 2-Chlorotoluene	11.360	91	423456	43.408	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	484950	42.983	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24849	19.981	ug/l	94
82) 4-Chlorotoluene	11.451	91	495295	43.498	ug/l	99
83) tert-Butylbenzene	11.713	119	486511	42.963	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	488683	43.425	ug/l	99
85) sec-Butylbenzene	11.890	105	588721	41.609	ug/l	100
86) p-Isopropyltoluene	12.006	119	488762	41.656	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	270585	43.475	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	273360	43.352	ug/l	98
89) n-Butylbenzene	12.329	91	455867	41.429	ug/l	99
90) Hexachloroethane	12.536	117	85939	40.942	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	263855	44.357	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39520	52.778	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	175152	44.566	ug/l	99
94) Hexachlorobutadiene	13.725	225	56237	42.074	ug/l	97
95) Naphthalene	13.774	128	567289	49.237	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	168173	44.417	ug/l	98

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

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