

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046702.D
 Acq On : 13 Jun 2025 19:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 13 23:36:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	73584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	125911	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	59290	45.289	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.580%			
35) Dibromofluoromethane	5.404	113	46692	50.426	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.860%			
50) Toluene-d8	8.653	98	149819	49.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.160%			
62) 4-Bromofluorobenzene	11.079	95	63872	50.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	41512	40.635	ug/l	99
3) Chloromethane	1.307	50	36827	39.605	ug/l	99
4) Vinyl Chloride	1.386	62	35863	38.690	ug/l	100
5) Bromomethane	1.618	94	10189	18.107	ug/l	95
6) Chloroethane	1.697	64	14492	24.097	ug/l	93
7) Trichlorofluoromethane	1.904	101	51622	33.660	ug/l	99
8) Diethyl Ether	2.148	74	19683	36.324	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.349	101	42048	43.517	ug/l	91
10) Methyl Iodide	2.471	142	24473	23.365	ug/l	97
11) Tert butyl alcohol	2.971	59	38115	262.382	ug/l	100
12) 1,1-Dichloroethene	2.337	96	38245	43.778	ug/l	89
13) Acrolein	2.252	56	45928	260.044	ug/l	100
14) Allyl chloride	2.678	41	76439	44.551	ug/l	92
15) Acrylonitrile	3.075	53	146826	267.325	ug/l	99
16) Acetone	2.392	43	107026	208.956	ug/l	93
17) Carbon Disulfide	2.532	76	75280	40.621	ug/l	98
18) Methyl Acetate	2.715	43	84360	54.099	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	167103	54.664	ug/l	99
20) Methylene Chloride	2.806	84	49861	47.475	ug/l	89
21) trans-1,2-Dichloroethene	3.111	96	43588	47.146	ug/l	97
22) Diisopropyl ether	3.776	45	181831	53.754	ug/l #	78
23) Vinyl Acetate	3.739	43	694761	266.028	ug/l	98
24) 1,1-Dichloroethane	3.629	63	93610	49.654	ug/l	98
25) 2-Butanone	4.568	43	190268	261.081	ug/l	98
26) 2,2-Dichloropropane	4.489	77	60483	43.216	ug/l	95
27) cis-1,2-Dichloroethene	4.507	96	57804	50.789	ug/l	93
28) Bromochloromethane	4.916	49	52039	57.873	ug/l	95
29) Tetrahydrofuran	5.019	42	119595	259.852	ug/l	100
30) Chloroform	5.111	83	102002	51.637	ug/l	96
31) Cyclohexane	5.489	56	69621	45.744	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	85940	50.860	ug/l	97
36) 1,1-Dichloropropene	5.708	75	60260	45.560	ug/l	98
37) Ethyl Acetate	4.727	43	72034	55.802	ug/l	99
38) Carbon Tetrachloride	5.690	117	72302	48.805	ug/l	99
39) Methylcyclohexane	7.391	83	71141	45.569	ug/l	99
40) Benzene	6.050	78	186470	50.080	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	43022	53.668	ug/l	96
42) 1,2-Dichloroethane	6.105	62	77222	49.851	ug/l	97
43) Isopropyl Acetate	6.348	43	121535	54.005	ug/l	99
44) Trichloroethene	7.135	130	46377	49.020	ug/l	98
45) 1,2-Dichloropropane	7.440	63	50872	52.932	ug/l	95
46) Dibromomethane	7.586	93	36651	50.691	ug/l	94
47) Bromodichloromethane	7.824	83	80934	54.441	ug/l	99
48) Methyl methacrylate	7.696	41	61581	53.184	ug/l	94
49) 1,4-Dioxane	7.665	88	17364	1121.404	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	391949	274.075	ug/l	98
52) Toluene	8.720	92	119360	52.178	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	71801	53.867	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	78829	53.190	ug/l	89
55) 1,1,2-Trichloroethane	9.153	97	50477	54.966	ug/l	95
56) Ethyl methacrylate	9.116	69	78716	55.701	ug/l	94
57) 1,3-Dichloropropane	9.311	76	85798	52.868	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	241772	314.092	ug/l	98
59) 2-Hexanone	9.433	43	278115	271.164	ug/l	96
60) Dibromochloromethane	9.525	129	60224	55.753	ug/l	99
61) 1,2-Dibromoethane	9.610	107	50505	52.777	ug/l	98
64) Tetrachloroethene	9.275	164	36421	48.056	ug/l	96
65) Chlorobenzene	10.079	112	134711	50.538	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	49248	54.675	ug/l	99
67) Ethyl Benzene	10.195	91	234638	50.423	ug/l	96
68) m/p-Xylenes	10.299	106	173130	102.564	ug/l	99
69) o-Xylene	10.640	106	85731	52.508	ug/l	98
70) Styrene	10.653	104	152512	54.568	ug/l	98
71) Bromoform	10.799	173	38802	56.497	ug/l #	95
73) Isopropylbenzene	10.963	105	233085	51.237	ug/l	100
74) N-amyl acetate	10.842	43	107634	53.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	77112	52.957	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	63816m	52.062	ug/l	
77) Bromobenzene	11.195	156	55490	52.552	ug/l	95
78) n-propylbenzene	11.305	91	276875	50.285	ug/l	98
79) 2-Chlorotoluene	11.366	91	164779	49.627	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	193353	51.006	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	21339	50.218	ug/l	94
82) 4-Chlorotoluene	11.451	91	194247	49.356	ug/l	97
83) tert-Butylbenzene	11.713	119	200121	51.858	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	194478	50.712	ug/l	98
85) sec-Butylbenzene	11.890	105	253337	51.091	ug/l	100
86) p-Isopropyltoluene	12.006	119	208976	50.554	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	104720	51.073	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	104486	49.178	ug/l	99
89) n-Butylbenzene	12.329	91	197865	48.742	ug/l	98
90) Hexachloroethane	12.536	117	36938	50.276	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	103143	52.113	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17066	52.339	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	69206	51.259	ug/l	99
94) Hexachlorobutadiene	13.725	225	29568	47.124	ug/l	99
95) Naphthalene	13.774	128	234224	54.705	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	69049	51.003	ug/l	98

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

