

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046567.D
 Acq On : 09 Jun 2025 09:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2025
 Supervised By : Mahesh Dadoda 06/10/2025

Quant Time: Jun 10 01:37:44 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

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	76964	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	135136	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	123156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65257	47.658	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.320%		
35) Dibromofluoromethane	5.391	113	49325	49.633	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.260%		
50) Toluene-d8	8.647	98	154151	47.049	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.100%		
62) 4-Bromofluorobenzene	11.079	95	65287	48.161	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	47096	44.077	ug/l	96
3) Chloromethane	1.307	50	45563	46.848	ug/l	98
4) Vinyl Chloride	1.386	62	45191	46.612	ug/l	98
5) Bromomethane	1.624	94	30896	52.493	ug/l	98
6) Chloroethane	1.703	64	30200	48.010	ug/l	99
7) Trichlorofluoromethane	1.904	101	77981	48.614	ug/l	100
8) Diethyl Ether	2.148	74	31146	54.954	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.343	101	48717	48.205	ug/l	98
10) Methyl Iodide	2.465	142	63747	58.188	ug/l	98
11) Tert butyl alcohol	2.959	59	32068	211.060	ug/l	99
12) 1,1-Dichloroethene	2.337	96	44907	49.146	ug/l	96
13) Acrolein	2.245	56	42238	232.271	ug/l	99
14) Allyl chloride	2.678	41	94306	52.551	ug/l	95
15) Acrylonitrile	3.075	53	147891	257.439	ug/l	99
16) Acetone	2.386	43	121262	225.971	ug/l	96
17) Carbon Disulfide	2.526	76	96196	49.583	ug/l	99
18) Methyl Acetate	2.715	43	87230	53.483	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	186853	58.441	ug/l	100
20) Methylene Chloride	2.800	84	57522	52.364	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	47547	49.170	ug/l	98
22) Diisopropyl ether	3.769	45	206016	58.229	ug/l #	80
23) Vinyl Acetate	3.727	43	785768	287.662	ug/l	99
24) 1,1-Dichloroethane	3.617	63	105765	53.637	ug/l	99
25) 2-Butanone	4.562	43	179047	234.894	ug/l	99
26) 2,2-Dichloropropane	4.483	77	81646	55.775	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	63449	53.300	ug/l	97
28) Bromochloromethane	4.903	49	51316	54.563	ug/l	98
29) Tetrahydrofuran	5.007	42	115218	239.348	ug/l	98
30) Chloroform	5.099	83	112654	54.525	ug/l	99
31) Cyclohexane	5.477	56	74527	46.817	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	91952	52.029	ug/l	97
36) 1,1-Dichloropropene	5.696	75	66074	46.546	ug/l	99
37) Ethyl Acetate	4.721	43	72159	52.083	ug/l	99
38) Carbon Tetrachloride	5.684	117	79307	49.879	ug/l	99
39) Methylcyclohexane	7.385	83	77646	46.341	ug/l	97
40) Benzene	6.043	78	207942	52.034	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	44012	51.155	ug/l	94
42) 1,2-Dichloroethane	6.092	62	89292	53.708	ug/l	98
43) Isopropyl Acetate	6.342	43	127502	52.788	ug/l	99
44) Trichloroethene	7.129	130	49703	48.949	ug/l	99
45) 1,2-Dichloropropane	7.433	63	57797	56.032	ug/l	99
46) Dibromomethane	7.580	93	42227	54.417	ug/l	97
47) Bromodichloromethane	7.824	83	91760	57.509	ug/l	96
48) Methyl methacrylate	7.690	41	65998	53.107	ug/l	95
49) 1,4-Dioxane	7.653	88	16116	969.755	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	382195	249.010	ug/l	99
52) Toluene	8.714	92	130125	53.001	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	87357	61.063	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	91534	57.546	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	56265	57.087	ug/l	99
56) Ethyl methacrylate	9.116	69	85345	56.270	ug/l	96
57) 1,3-Dichloropropane	9.305	76	96068	55.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	220489	266.889	ug/l	99
59) 2-Hexanone	9.427	43	264649	240.420	ug/l	99
60) Dibromochloromethane	9.518	129	67859	58.533	ug/l	99
61) 1,2-Dibromoethane	9.610	107	55111	53.659	ug/l	96
64) Tetrachloroethene	9.275	164	38759	47.064	ug/l	97
65) Chlorobenzene	10.079	112	148815	51.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54363	55.542	ug/l	99
67) Ethyl Benzene	10.195	91	252621	49.959	ug/l	99
68) m/p-Xylenes	10.299	106	186309	101.572	ug/l	100
69) o-Xylene	10.640	106	93087	52.468	ug/l	100
70) Styrene	10.652	104	164167	54.055	ug/l	99
71) Bromoform	10.799	173	42396	56.808	ug/l #	96
73) Isopropylbenzene	10.957	105	245986	50.302	ug/l	100
74) N-amyl acetate	10.841	43	110631	51.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	79556	50.826	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	67306m	51.080	ug/l	
77) Bromobenzene	11.195	156	60612	53.400	ug/l	97
78) n-propylbenzene	11.305	91	292459	49.411	ug/l	99
79) 2-Chlorotoluene	11.360	91	178322	49.961	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	208325	51.123	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24949	54.619	ug/l	92
82) 4-Chlorotoluene	11.451	91	212470	50.222	ug/l	98
83) tert-Butylbenzene	11.713	119	211109	50.891	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	208291	50.527	ug/l	98
85) sec-Butylbenzene	11.890	105	261891	49.133	ug/l	100
86) p-Isopropyltoluene	12.006	119	220115	49.536	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	112914	51.229	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	114501	50.134	ug/l	100
89) n-Butylbenzene	12.329	91	209901	48.101	ug/l	99
90) Hexachloroethane	12.536	117	39338	49.809	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	112973	53.100	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16891	48.190	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	74963	51.651	ug/l	99
94) Hexachlorobutadiene	13.725	225	31409	46.568	ug/l	97
95) Naphthalene	13.774	128	241084	52.381	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	75311	51.749	ug/l	99

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

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