

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
 Data File : VX046407.D
 Acq On : 29 May 2025 18:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 01:35:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	80548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140488	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73583	49.001	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.000%		
35) Dibromofluoromethane	5.379	113	51014	50.426	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.860%		
50) Toluene-d8	8.647	98	169545	48.421	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.840%		
62) 4-Bromofluorobenzene	11.079	95	67753	50.444	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66918	54.279	ug/l	97
3) Chloromethane	1.307	50	64809	54.209	ug/l	99
4) Vinyl Chloride	1.374	62	58544	52.615	ug/l	100
5) Bromomethane	1.593	94	26672	51.682	ug/l	97
6) Chloroethane	1.666	64	33319	56.093	ug/l	100
7) Trichlorofluoromethane	1.874	101	91937	55.908	ug/l	98
8) Diethyl Ether	2.130	74	30100	53.769	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	57622	56.622	ug/l	98
10) Methyl Iodide	2.447	142	68383	56.789	ug/l	99
11) Tert butyl alcohol	2.977	59	58124	275.744	ug/l	99
12) 1,1-Dichloroethene	2.306	96	52963	55.453	ug/l	98
13) Acrolein	2.233	56	72031	300.059	ug/l	99
14) Allyl chloride	2.654	41	106875	58.550	ug/l	97
15) Acrylonitrile	3.062	53	181198	300.624	ug/l	97
16) Acetone	2.386	43	170388	282.989	ug/l	98
17) Carbon Disulfide	2.502	76	118405	52.291	ug/l	98
18) Methyl Acetate	2.703	43	100967	72.264	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	194432	58.065	ug/l	100
20) Methylene Chloride	2.782	84	61815	53.574	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	52576	54.738	ug/l	95
22) Diisopropyl ether	3.757	45	208134	59.029	ug/l	98
23) Vinyl Acetate	3.721	43	894165	288.329	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114424	58.264	ug/l	98
25) 2-Butanone	4.556	43	262383	300.168	ug/l	99
26) 2,2-Dichloropropane	4.465	77	82792	53.861	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	66040	57.114	ug/l	99
28) Bromochloromethane	4.891	49	51633	54.620	ug/l	99
29) Tetrahydrofuran	5.001	42	165017	301.266	ug/l	98
30) Chloroform	5.086	83	118785	58.030	ug/l	96
31) Cyclohexane	5.458	56	99726	55.725	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	101940	57.450	ug/l	99
36) 1,1-Dichloropropene	5.684	75	75897	55.837	ug/l	99
37) Ethyl Acetate	4.715	43	95131	56.647	ug/l	100
38) Carbon Tetrachloride	5.672	117	84521	55.342	ug/l	95
39) Methylcyclohexane	7.373	83	97416	55.668	ug/l	99
40) Benzene	6.031	78	228842	57.477	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	56535	64.354	ug/l	99
42) 1,2-Dichloroethane	6.080	62	98928	57.572	ug/l	100
43) Isopropyl Acetate	6.336	43	155796	60.811	ug/l	99
44) Trichloroethene	7.123	130	53896	56.244	ug/l	99
45) 1,2-Dichloropropane	7.427	63	59418	60.018	ug/l	96
46) Dibromomethane	7.574	93	44114	56.496	ug/l	99
47) Bromodichloromethane	7.818	83	90900	59.107	ug/l	100
48) Methyl methacrylate	7.690	41	81859	62.563	ug/l	98
49) 1,4-Dioxane	7.659	88	28263	1137.640	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	524960	308.689	ug/l	99
52) Toluene	8.714	92	140139	57.402	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	80645	58.996	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	89855	59.474	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	56912	59.121	ug/l	96
56) Ethyl methacrylate	9.116	69	96135	62.660	ug/l	97
57) 1,3-Dichloropropane	9.305	76	100560	58.167	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	232296	296.988	ug/l	99
59) 2-Hexanone	9.427	43	387407	307.913	ug/l	99
60) Dibromochloromethane	9.519	129	64577	61.084	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58489	58.459	ug/l	97
64) Tetrachloroethene	9.269	164	48039	54.029	ug/l	96
65) Chlorobenzene	10.079	112	152807	55.556	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	53025	56.457	ug/l	99
67) Ethyl Benzene	10.189	91	279910	57.732	ug/l	99
68) m/p-Xylenes	10.299	106	203406	114.706	ug/l	98
69) o-Xylene	10.640	106	100601	58.192	ug/l	96
70) Styrene	10.653	104	172046	60.752	ug/l	99
71) Bromoform	10.799	173	40499	57.433	ug/l #	98
73) Isopropylbenzene	10.957	105	269958	58.471	ug/l	100
74) N-amyl acetate	10.842	43	133716	58.610	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	88885	54.937	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	78304m	54.855	ug/l	
77) Bromobenzene	11.195	156	59891	55.874	ug/l	98
78) n-propylbenzene	11.299	91	316211	58.903	ug/l	100
79) 2-Chlorotoluene	11.360	91	196382	56.715	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	227308	58.931	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23447	53.476	ug/l	96
82) 4-Chlorotoluene	11.451	91	222572	57.962	ug/l	99
83) tert-Butylbenzene	11.713	119	224478	57.777	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	230740	59.072	ug/l	100
85) sec-Butylbenzene	11.890	105	280922	58.888	ug/l	99
86) p-Isopropyltoluene	12.006	119	234037	59.435	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	110907	56.694	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	109157	54.638	ug/l	99
89) n-Butylbenzene	12.329	91	206541	59.798	ug/l	99
90) Hexachloroethane	12.536	117	39249	56.577	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	110788	56.436	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21033	58.681	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	63260	56.106	ug/l	99
94) Hexachlorobutadiene	13.725	225	26955	54.739	ug/l	96
95) Naphthalene	13.774	128	240518	58.162	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	66938	57.537	ug/l	100

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

