

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046066.D
 Acq On : 06 May 2025 16:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/07/2025
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:47:40 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	84747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144825	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	74666	47.258	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.520%		
35) Dibromofluoromethane	5.373	113	49886	47.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.660%		
50) Toluene-d8	8.647	98	175036	48.492	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.980%		
62) 4-Bromofluorobenzene	11.079	95	69715	50.351	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.700%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	70686	54.495	ug/l	99
3) Chloromethane	1.307	50	64912	51.605	ug/l	98
4) Vinyl Chloride	1.374	62	58745	50.180	ug/l	99
5) Bromomethane	1.593	94	26048	47.972	ug/l	95
6) Chloroethane	1.666	64	31943	51.112	ug/l	95
7) Trichlorofluoromethane	1.874	101	88608	51.213	ug/l	97
8) Diethyl Ether	2.130	74	27346	46.429	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	54052	50.482	ug/l	100
10) Methyl Iodide	2.441	142	63600	50.200	ug/l	100
11) Tert butyl alcohol	2.977	59	52453	236.511	ug/l	99
12) 1,1-Dichloroethene	2.306	96	49108	48.869	ug/l	99
13) Acrolein	2.233	56	61168	242.182	ug/l	99
14) Allyl chloride	2.654	41	97028	50.521	ug/l	99
15) Acrylonitrile	3.062	53	155144	244.645	ug/l	96
16) Acetone	2.386	43	148799	234.888	ug/l	98
17) Carbon Disulfide	2.501	76	112433	47.193	ug/l	99
18) Methyl Acetate	2.703	43	71026	48.316	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	176692	50.153	ug/l	99
20) Methylene Chloride	2.782	84	56836	46.818	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	50644	50.114	ug/l	97
22) Diisopropyl ether	3.757	45	185893	50.109	ug/l	96
23) Vinyl Acetate	3.715	43	839558	257.307	ug/l	99
24) 1,1-Dichloroethane	3.599	63	102638	49.673	ug/l	99
25) 2-Butanone	4.556	43	228518	248.473	ug/l	99
26) 2,2-Dichloropropane	4.465	77	78854	48.757	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	60802	49.979	ug/l	99
28) Bromochloromethane	4.891	49	49279	49.547	ug/l	98
29) Tetrahydrofuran	5.001	42	140578	243.932	ug/l	98
30) Chloroform	5.086	83	107781	50.045	ug/l	99
31) Cyclohexane	5.458	56	92747	49.258	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	92204	49.388	ug/l	99
36) 1,1-Dichloropropene	5.684	75	70912	50.607	ug/l	99
37) Ethyl Acetate	4.708	43	84815	48.991	ug/l	100
38) Carbon Tetrachloride	5.666	117	79337	50.392	ug/l	96
39) Methylcyclohexane	7.373	83	92206	51.113	ug/l	99
40) Benzene	6.031	78	208334	50.759	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	49304	54.442	ug/l	98
42) 1,2-Dichloroethane	6.074	62	89350	50.440	ug/l	100
43) Isopropyl Acetate	6.336	43	139260	52.728	ug/l	99
44) Trichloroethene	7.117	130	50103	50.720	ug/l	94
45) 1,2-Dichloropropane	7.421	63	53232	52.159	ug/l	99
46) Dibromomethane	7.574	93	40276	50.036	ug/l	99
47) Bromodichloromethane	7.818	83	81582	51.459	ug/l	99
48) Methyl methacrylate	7.690	41	72553	53.790	ug/l	99
49) 1,4-Dioxane	7.659	88	25785	1006.815	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	457731	261.096	ug/l	99
52) Toluene	8.714	92	129191	51.333	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	75069	53.272	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	82316	52.852	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	50801	51.193	ug/l	98
56) Ethyl methacrylate	9.110	69	86199	54.501	ug/l	99
57) 1,3-Dichloropropane	9.305	76	89473	50.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	217260	269.447	ug/l	99
59) 2-Hexanone	9.427	43	337731	260.392	ug/l	100
60) Dibromochloromethane	9.519	129	58078	53.291	ug/l	98
61) 1,2-Dibromoethane	9.604	107	53231	51.610	ug/l	98
64) Tetrachloroethene	9.269	164	43339	46.307	ug/l	95
65) Chlorobenzene	10.073	112	140783	48.626	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	48315	48.871	ug/l	99
67) Ethyl Benzene	10.189	91	254254	49.820	ug/l	98
68) m/p-Xylenes	10.299	106	187688	100.553	ug/l	98
69) o-Xylene	10.640	106	92282	50.713	ug/l	98
70) Styrene	10.652	104	155736	52.245	ug/l	99
71) Bromoform	10.799	173	36647	49.374	ug/l #	99
73) Isopropylbenzene	10.957	105	245545	50.952	ug/l	100
74) N-amyl acetate	10.841	43	123673	51.934	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	80948	47.932	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	70382m	47.237	ug/l	
77) Bromobenzene	11.195	156	55771	49.848	ug/l	99
78) n-propylbenzene	11.299	91	292069	52.123	ug/l	99
79) 2-Chlorotoluene	11.360	91	178669	49.434	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	210573	52.302	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22255	48.628	ug/l	99
82) 4-Chlorotoluene	11.451	91	205825	51.352	ug/l	99
83) tert-Butylbenzene	11.713	119	205817	50.751	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	210455	51.618	ug/l	100
85) sec-Butylbenzene	11.890	105	258846	51.984	ug/l	99
86) p-Isopropyltoluene	12.006	119	217042	52.807	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	102844	50.366	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	102052	48.938	ug/l	99
89) n-Butylbenzene	12.329	91	191947	53.241	ug/l	99
90) Hexachloroethane	12.536	117	36112	49.871	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	101799	49.681	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18982	50.737	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	60496	51.404	ug/l	97
94) Hexachlorobutadiene	13.719	225	26561	51.676	ug/l	99
95) Naphthalene	13.774	128	213218	49.397	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	60494	49.816	ug/l	99

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

