

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046198.D
 Acq On : 14 May 2025 16:42
 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 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:25:26 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	85833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149033	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79790	49.862	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.720%			
35) Dibromofluoromethane	5.385	113	55090	51.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	8.647	98	188999	50.882	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.760%			
62) 4-Bromofluorobenzene	11.079	95	74437	52.243	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	70669	53.793	ug/l	96
3) Chloromethane	1.307	50	66341	52.073	ug/l	96
4) Vinyl Chloride	1.374	62	60716	51.207	ug/l	97
5) Bromomethane	1.593	94	26244	47.721	ug/l	98
6) Chloroethane	1.666	64	31567	49.871	ug/l	98
7) Trichlorofluoromethane	1.873	101	92636	52.864	ug/l	99
8) Diethyl Ether	2.136	74	30556	51.223	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	56435	52.041	ug/l	98
10) Methyl Iodide	2.440	142	62700	48.863	ug/l	100
11) Tert butyl alcohol	2.983	59	56848	253.085	ug/l	100
12) 1,1-Dichloroethene	2.306	96	51489	50.590	ug/l	94
13) Acrolein	2.239	56	76486	298.999	ug/l	99
14) Allyl chloride	2.654	41	103586	53.254	ug/l	97
15) Acrylonitrile	3.062	53	171631	267.219	ug/l	98
16) Acetone	2.386	43	163733	255.192	ug/l	99
17) Carbon Disulfide	2.501	76	116687	48.359	ug/l	99
18) Methyl Acetate	2.703	43	83166	55.859	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	186360	52.228	ug/l	99
20) Methylene Chloride	2.782	84	61012	49.623	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	53123	51.902	ug/l	96
22) Diisopropyl ether	3.757	45	202684	53.944	ug/l	98
23) Vinyl Acetate	3.721	43	885842	268.057	ug/l	100
24) 1,1-Dichloroethane	3.605	63	110804	52.947	ug/l	99
25) 2-Butanone	4.556	43	250917	269.376	ug/l	98
26) 2,2-Dichloropropane	4.471	77	82794	50.546	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	64538	52.378	ug/l	99
28) Bromochloromethane	4.897	49	52568	52.185	ug/l	98
29) Tetrahydrofuran	5.001	42	158606	271.732	ug/l	97
30) Chloroform	5.086	83	116190	53.267	ug/l	97
31) Cyclohexane	5.464	56	98449	51.624	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	98958	52.335	ug/l	100
36) 1,1-Dichloropropene	5.690	75	74364	51.572	ug/l	99
37) Ethyl Acetate	4.714	43	92458	51.898	ug/l	99
38) Carbon Tetrachloride	5.672	117	84560	52.193	ug/l	99
39) Methylcyclohexane	7.372	83	96364	51.910	ug/l	98
40) Benzene	6.031	78	224316	53.110	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	55399	59.445	ug/l	97
42) 1,2-Dichloroethane	6.080	62	97673	53.582	ug/l	100
43) Isopropyl Acetate	6.336	43	147620	54.316	ug/l	99
44) Trichloroethene	7.116	130	52208	51.358	ug/l	97
45) 1,2-Dichloropropane	7.427	63	56889	54.168	ug/l	99
46) Dibromomethane	7.580	93	43857	52.947	ug/l	99
47) Bromodichloromethane	7.818	83	88059	53.976	ug/l	98
48) Methyl methacrylate	7.690	41	78462	56.528	ug/l	98
49) 1,4-Dioxane	7.659	88	29613	1123.637	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	497733	275.897	ug/l	99
52) Toluene	8.714	92	138616	53.523	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	78041	53.818	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	87961	54.882	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	55493	54.342	ug/l	97
56) Ethyl methacrylate	9.116	69	91632	56.301	ug/l	98
57) 1,3-Dichloropropane	9.305	76	98165	53.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	229122	276.135	ug/l	100
59) 2-Hexanone	9.427	43	367908	275.649	ug/l	100
60) Dibromochloromethane	9.518	129	61142	54.519	ug/l	99
61) 1,2-Dibromoethane	9.604	107	57795	54.453	ug/l	98
64) Tetrachloroethene	9.268	164	47064	50.415	ug/l	96
65) Chlorobenzene	10.079	112	150934	52.266	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	51462	52.187	ug/l	98
67) Ethyl Benzene	10.189	91	273809	53.789	ug/l	100
68) m/p-Xylenes	10.299	106	201549	108.255	ug/l	98
69) o-Xylene	10.640	106	99126	54.613	ug/l	99
70) Styrene	10.652	104	166184	55.892	ug/l	98
71) Bromoform	10.799	173	38551	52.072	ug/l #	97
73) Isopropylbenzene	10.957	105	266789	54.243	ug/l	99
74) N-amyl acetate	10.841	43	128395	52.828	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	86930	50.435	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	75028m	49.339	ug/l	
77) Bromobenzene	11.195	156	59987	52.534	ug/l	99
78) n-propylbenzene	11.299	91	307644	53.795	ug/l	100
79) 2-Chlorotoluene	11.360	91	190361	51.606	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	224497	54.635	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22496	48.163	ug/l	97
82) 4-Chlorotoluene	11.451	91	218932	53.520	ug/l	100
83) tert-Butylbenzene	11.713	119	220082	53.174	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	225764	54.256	ug/l	100
85) sec-Butylbenzene	11.890	105	276947	54.497	ug/l	100
86) p-Isopropyltoluene	12.006	119	228723	54.526	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	109378	52.485	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	107183	50.361	ug/l	98
89) n-Butylbenzene	12.329	91	199097	54.109	ug/l	100
90) Hexachloroethane	12.536	117	37492	50.732	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	109382	52.305	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19741	51.701	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	63882	53.185	ug/l	98
94) Hexachlorobutadiene	13.725	225	27158	51.771	ug/l	98
95) Naphthalene	13.774	128	233346	52.969	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	65682	52.997	ug/l	99

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

