

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046431.D
 Acq On : 30 May 2025 18:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 30 23:35:06 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	74114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70637	51.122	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.240%			
35) Dibromofluoromethane	5.379	113	49202	51.372	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.740%			
50) Toluene-d8	8.647	98	162192	48.928	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.860%			
62) 4-Bromofluorobenzene	11.079	95	67347	52.964	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52337	46.138	ug/l	97
3) Chloromethane	1.306	50	50222	45.654	ug/l	98
4) Vinyl Chloride	1.374	62	45572	44.512	ug/l	99
5) Bromomethane	1.593	94	21584	45.454	ug/l	96
6) Chloroethane	1.666	64	25642	46.916	ug/l	98
7) Trichlorofluoromethane	1.873	101	72532	47.936	ug/l	99
8) Diethyl Ether	2.129	74	24886	48.314	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	45829	48.943	ug/l	97
10) Methyl Iodide	2.440	142	51809	46.760	ug/l	99
11) Tert butyl alcohol	2.983	59	60822	313.593	ug/l	98
12) 1,1-Dichloroethene	2.306	96	41957	47.743	ug/l	99
13) Acrolein	2.233	56	61985	280.627	ug/l	100
14) Allyl chloride	2.654	41	89270	53.151	ug/l	96
15) Acrylonitrile	3.062	53	162796	293.541	ug/l	98
16) Acetone	2.386	43	158115	285.403	ug/l	98
17) Carbon Disulfide	2.501	76	80402	38.590	ug/l	100
18) Methyl Acetate	2.703	43	96536	75.091	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	170684	55.398	ug/l	99
20) Methylene Chloride	2.782	84	52227	49.194	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	42033	47.561	ug/l	94
22) Diisopropyl ether	3.763	45	180764	55.717	ug/l	93
23) Vinyl Acetate	3.721	43	777807	272.581	ug/l	100
24) 1,1-Dichloroethane	3.605	63	96154	53.212	ug/l	98
25) 2-Butanone	4.556	43	244738	304.288	ug/l	100
26) 2,2-Dichloropropane	4.464	77	67166	47.489	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	55714	52.367	ug/l	100
28) Bromochloromethane	4.891	49	46340	53.277	ug/l	99
29) Tetrahydrofuran	5.007	42	151953	301.498	ug/l	98
30) Chloroform	5.086	83	103059	54.718	ug/l	96
31) Cyclohexane	5.464	56	77602	47.127	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	87897	53.836	ug/l	98
36) 1,1-Dichloropropene	5.690	75	61592	47.863	ug/l	99
37) Ethyl Acetate	4.714	43	85506	53.781	ug/l	99
38) Carbon Tetrachloride	5.672	117	71351	49.348	ug/l	96
39) Methylcyclohexane	7.379	83	75716	45.703	ug/l	98
40) Benzene	6.031	78	191891	50.909	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	51148	61.498	ug/l	99
42) 1,2-Dichloroethane	6.080	62	84867	52.168	ug/l	99
43) Isopropyl Acetate	6.342	43	140262	57.828	ug/l	99
44) Trichloroethene	7.122	130	44919	49.514	ug/l	97
45) 1,2-Dichloropropane	7.427	63	51884	55.357	ug/l	98
46) Dibromomethane	7.580	93	38897	52.619	ug/l	99
47) Bromodichloromethane	7.817	83	80312	55.161	ug/l	99
48) Methyl methacrylate	7.689	41	74586	60.212	ug/l	99
49) 1,4-Dioxane	7.659	88	27552	1171.433	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	496899	308.632	ug/l	99
52) Toluene	8.714	92	118579	51.305	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	71021	54.879	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	78938	55.188	ug/l	95
55) 1,1,2-Trichloroethane	9.146	97	51227	56.210	ug/l	97
56) Ethyl methacrylate	9.116	69	87584	60.299	ug/l	99
57) 1,3-Dichloropropane	9.305	76	89527	54.700	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	211224	285.245	ug/l	99
59) 2-Hexanone	9.427	43	373912	313.912	ug/l	99
60) Dibromochloromethane	9.518	129	57708	57.658	ug/l	98
61) 1,2-Dibromoethane	9.604	107	51593	54.468	ug/l	98
64) Tetrachloroethene	9.268	164	39773	47.434	ug/l	96
65) Chlorobenzene	10.073	112	131134	50.556	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	47254	53.352	ug/l	98
67) Ethyl Benzene	10.189	91	241431	52.804	ug/l	99
68) m/p-Xylenes	10.299	106	174971	104.632	ug/l	99
69) o-Xylene	10.640	106	87961	53.954	ug/l	99
70) Styrene	10.652	104	148376	55.559	ug/l	98
71) Bromoform	10.799	173	36540	54.949	ug/l #	97
73) Isopropylbenzene	10.957	105	236055	52.887	ug/l	100
74) N-amyl acetate	10.841	43	127751	57.922	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84159	53.806	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	74329m	53.862	ug/l	
77) Bromobenzene	11.195	156	53999	52.111	ug/l	100
78) n-propylbenzene	11.305	91	278510	53.665	ug/l	99
79) 2-Chlorotoluene	11.360	91	174683	52.184	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	200309	53.719	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23283	54.930	ug/l	98
82) 4-Chlorotoluene	11.451	91	199469	53.734	ug/l	99
83) tert-Butylbenzene	11.713	119	202709	53.969	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	205143	54.326	ug/l	100
85) sec-Butylbenzene	11.890	105	254604	55.208	ug/l	100
86) p-Isopropyltoluene	12.006	119	209095	54.929	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	100145	52.954	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	100095	51.826	ug/l	100
89) n-Butylbenzene	12.329	91	185147	55.448	ug/l	100
90) Hexachloroethane	12.536	117	35458	52.871	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	102295	53.903	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20639	59.563	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	58874	54.013	ug/l	98
94) Hexachlorobutadiene	13.725	225	25552	53.675	ug/l	98
95) Naphthalene	13.774	128	225947	56.519	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	61292	54.497	ug/l	100

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

