

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050925\
 Data File : VX046123.D
 Acq On : 09 May 2025 18:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:18:50 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	5.550	168	86369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81155	50.401	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.800%			
35) Dibromofluoromethane	5.379	113	56253	51.422	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	8.647	98	191357	50.539	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.079	95	76827	52.897	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	71510	54.095	ug/l	98
3) Chloromethane	1.307	50	69829	54.471	ug/l	97
4) Vinyl Chloride	1.374	62	62734	52.581	ug/l	98
5) Bromomethane	1.593	94	28770	51.990	ug/l	100
6) Chloroethane	1.666	64	34353	53.936	ug/l	98
7) Trichlorofluoromethane	1.873	101	93121	52.811	ug/l	99
8) Diethyl Ether	2.136	74	30652	51.065	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	55793	51.130	ug/l	99
10) Methyl Iodide	2.447	142	67910	52.595	ug/l	99
11) Tert butyl alcohol	2.977	59	60297	266.774	ug/l	100
12) 1,1-Dichloroethene	2.312	96	51511	50.298	ug/l	99
13) Acrolein	2.233	56	71170	276.491	ug/l	99
14) Allyl chloride	2.660	41	104966	53.628	ug/l	99
15) Acrylonitrile	3.062	53	171897	265.972	ug/l	98
16) Acetone	2.380	43	165445	256.260	ug/l	99
17) Carbon Disulfide	2.501	76	129522	53.346	ug/l	98
18) Methyl Acetate	2.703	43	80740	53.893	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	188632	52.536	ug/l	99
20) Methylene Chloride	2.782	84	61568	49.764	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	53843	52.279	ug/l	99
22) Diisopropyl ether	3.757	45	203591	53.849	ug/l	99
23) Vinyl Acetate	3.715	43	909332	273.457	ug/l	100
24) 1,1-Dichloroethane	3.605	63	110645	52.543	ug/l	98
25) 2-Butanone	4.556	43	250111	266.844	ug/l	100
26) 2,2-Dichloropropane	4.471	77	78571	47.670	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	64752	52.226	ug/l	98
28) Bromochloromethane	4.891	49	50553	49.873	ug/l	98
29) Tetrahydrofuran	5.001	42	159648	271.820	ug/l	98
30) Chloroform	5.086	83	116521	53.087	ug/l	97
31) Cyclohexane	5.464	56	99127	51.657	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	101137	53.156	ug/l	98
36) 1,1-Dichloropropene	5.690	75	76031	51.727	ug/l	99
37) Ethyl Acetate	4.708	43	95776	52.741	ug/l	99
38) Carbon Tetrachloride	5.665	117	86723	52.512	ug/l	99
39) Methylcyclohexane	7.372	83	95217	50.318	ug/l	95
40) Benzene	6.031	78	226411	52.589	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	53675	56.502	ug/l	99
42) 1,2-Dichloroethane	6.080	62	96874	52.135	ug/l	100
43) Isopropyl Acetate	6.336	43	149148	53.836	ug/l	99
44) Trichloroethene	7.123	130	52399	50.568	ug/l	98
45) 1,2-Dichloropropane	7.427	63	57267	53.494	ug/l	97
46) Dibromomethane	7.580	93	43909	52.004	ug/l	99
47) Bromodichloromethane	7.818	83	89366	53.738	ug/l	99
48) Methyl methacrylate	7.690	41	79016	55.847	ug/l	98
49) 1,4-Dioxane	7.659	88	29215	1087.497	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	507394	275.915	ug/l	99
52) Toluene	8.714	92	139354	52.787	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	79588	53.843	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	88388	54.102	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	55400	53.221	ug/l	95
56) Ethyl methacrylate	9.116	69	93643	56.444	ug/l	98
57) 1,3-Dichloropropane	9.305	76	96580	51.663	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	229759	271.647	ug/l	100
59) 2-Hexanone	9.427	43	380001	279.306	ug/l	99
60) Dibromochloromethane	9.518	129	62410	54.593	ug/l	99
61) 1,2-Dibromoethane	9.604	107	57792	53.417	ug/l	98
64) Tetrachloroethene	9.268	164	46630	48.487	ug/l	95
65) Chlorobenzene	10.073	112	149515	50.258	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	52599	51.778	ug/l	99
67) Ethyl Benzene	10.189	91	275678	52.570	ug/l	99
68) m/p-Xylenes	10.299	106	201287	104.948	ug/l	99
69) o-Xylene	10.640	106	98008	52.415	ug/l	96
70) Styrene	10.652	104	168044	54.862	ug/l	100
71) Bromoform	10.799	173	40150	52.643	ug/l #	97
73) Isopropylbenzene	10.957	105	265202	52.121	ug/l	100
74) N-amyl acetate	10.841	43	133744	53.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	88244	49.489	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78794m	50.086	ug/l	
77) Bromobenzene	11.195	156	59741	50.572	ug/l	99
78) n-propylbenzene	11.299	91	308820	52.198	ug/l	100
79) 2-Chlorotoluene	11.360	91	191299	50.130	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	226060	53.180	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22803	47.191	ug/l	97
82) 4-Chlorotoluene	11.451	91	220839	52.185	ug/l	99
83) tert-Butylbenzene	11.713	119	222889	52.055	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	227768	52.911	ug/l	99
85) sec-Butylbenzene	11.890	105	275649	52.431	ug/l	100
86) p-Isopropyltoluene	12.006	119	230191	53.044	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	110608	51.304	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	111535	50.657	ug/l	100
89) n-Butylbenzene	12.329	91	203551	53.474	ug/l	99
90) Hexachloroethane	12.536	117	38841	50.804	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	111853	51.702	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20981	53.115	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	62420	50.234	ug/l	99
94) Hexachlorobutadiene	13.725	225	27322	50.345	ug/l	100
95) Naphthalene	13.774	128	231130	50.715	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	64910	50.626	ug/l	100

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

