

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045686.D
 Acq On : 10 Apr 2025 08:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2025
 Supervised By : Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:50:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	104561	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	177982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	155754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	93365	48.827	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.660%		
35) Dibromofluoromethane	5.373	113	64390	50.991	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.980%		
50) Toluene-d8	8.641	98	221388	50.229	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.460%		
62) 4-Bromofluorobenzene	11.079	95	85351	53.163	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	81147	51.894	ug/l	99
3) Chloromethane	1.301	50	72645	45.221	ug/l	97
4) Vinyl Chloride	1.374	62	69357	47.176	ug/l	97
5) Bromomethane	1.593	94	28410	40.756	ug/l	94
6) Chloroethane	1.660	64	32662	41.874	ug/l	99
7) Trichlorofluoromethane	1.868	101	108830	49.642	ug/l	99
8) Diethyl Ether	2.130	74	34627	47.046	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	64149	49.936	ug/l	99
10) Methyl Iodide	2.441	142	68763	42.914	ug/l	98
11) Tert butyl alcohol	2.983	59	56753	220.848	ug/l	99
12) 1,1-Dichloroethene	2.307	96	57836	46.075	ug/l	98
13) Acrolein	2.233	56	53233	150.428	ug/l	98
14) Allyl chloride	2.654	41	114225	47.959	ug/l	99
15) Acrylonitrile	3.062	53	179914	221.792	ug/l	100
16) Acetone	2.380	43	208039	264.956	ug/l	97
17) Carbon Disulfide	2.502	76	135293	43.639	ug/l	100
18) Methyl Acetate	2.703	43	89876	49.716	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	208597	47.505	ug/l	100
20) Methylene Chloride	2.782	84	66899	45.511	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	58350	45.500	ug/l	99
22) Diisopropyl ether	3.757	45	222346	47.393	ug/l	98
23) Vinyl Acetate	3.715	43	956205	235.896	ug/l	100
24) 1,1-Dichloroethane	3.599	63	121657	45.852	ug/l	100
25) 2-Butanone	4.550	43	270282	235.161	ug/l	99
26) 2,2-Dichloropropane	4.465	77	93727	54.675	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	71467	45.742	ug/l	97
28) Bromochloromethane	4.885	49	61694	48.116	ug/l	99
29) Tetrahydrofuran	4.995	42	159105	213.518	ug/l	99
30) Chloroform	5.080	83	127838	46.825	ug/l	97
31) Cyclohexane	5.458	56	108180	46.120	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	109878	47.563	ug/l	100
36) 1,1-Dichloropropene	5.678	75	83518	48.984	ug/l	99
37) Ethyl Acetate	4.702	43	98639	45.907	ug/l	100
38) Carbon Tetrachloride	5.666	117	93745	50.874	ug/l	97
39) Methylcyclohexane	7.373	83	108577	51.951	ug/l	99
40) Benzene	6.025	78	246261	47.292	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	54791	48.329	ug/l	98
42) 1,2-Dichloroethane	6.074	62	104868	48.759	ug/l	100
43) Isopropyl Acetate	6.330	43	156902	48.180	ug/l	100
44) Trichloroethene	7.117	130	57904	46.784	ug/l	94
45) 1,2-Dichloropropane	7.421	63	62416	48.040	ug/l	98
46) Dibromomethane	7.574	93	47767	47.893	ug/l	98
47) Bromodichloromethane	7.812	83	98062	49.233	ug/l	99
48) Methyl methacrylate	7.690	41	79802	47.461	ug/l	99
49) 1,4-Dioxane	7.659	88	29351	964.807	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	507332	235.001	ug/l	99
52) Toluene	8.714	92	150966	47.911	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	86753	45.507	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	96248	51.421	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	59437	47.337	ug/l	98
56) Ethyl methacrylate	9.110	69	97049	49.943	ug/l	98
57) 1,3-Dichloropropane	9.305	76	104459	47.775	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	250374	254.702	ug/l	100
59) 2-Hexanone	9.427	43	378353	236.665	ug/l	99
60) Dibromochloromethane	9.519	129	69490	50.765	ug/l	97
61) 1,2-Dibromoethane	9.604	107	61321	48.244	ug/l	100
64) Tetrachloroethene	9.269	164	52831	48.043	ug/l	98
65) Chlorobenzene	10.073	112	160350	48.179	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	57453	49.722	ug/l	97
67) Ethyl Benzene	10.189	91	296289	49.706	ug/l	99
68) m/p-Xylenes	10.299	106	216373	99.803	ug/l	99
69) o-Xylene	10.640	106	104329	48.850	ug/l	96
70) Styrene	10.653	104	177289	50.295	ug/l	99
71) Bromoform	10.799	173	43443	50.353	ug/l #	97
73) Isopropylbenzene	10.957	105	284224	48.978	ug/l	100
74) N-amyl acetate	10.842	43	133277	48.012	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	90196	44.245	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	79674m	45.086	ug/l	
77) Bromobenzene	11.195	156	63193	47.130	ug/l	99
78) n-propylbenzene	11.299	91	338145	50.589	ug/l	99
79) 2-Chlorotoluene	11.360	91	202058	47.285	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	241542	50.335	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24776	47.583	ug/l	100
82) 4-Chlorotoluene	11.451	91	235568	49.444	ug/l	99
83) tert-Butylbenzene	11.713	119	235791	49.632	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	241095	50.058	ug/l	99
85) sec-Butylbenzene	11.890	105	297303	50.951	ug/l	100
86) p-Isopropyltoluene	12.006	119	247094	51.364	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	116785	47.849	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	116749	47.183	ug/l	98
89) n-Butylbenzene	12.329	91	224733	53.872	ug/l	100
90) Hexachloroethane	12.536	117	42916	51.909	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	115940	47.779	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20835	48.870	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	72378	53.585	ug/l	97
94) Hexachlorobutadiene	13.719	225	30607	52.586	ug/l	99
95) Naphthalene	13.774	128	249132	49.564	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	72183	51.036	ug/l	100

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

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