

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045586.D
 Acq On : 04 Apr 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 04 23:10:00 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

Manual Integrations APPROVED

Reviewed By : John Carlone 04/07/2025
 Supervised By : Mahesh Dadoda 04/07/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	96707	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	163287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	142048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75034	42.428	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.860%		
35) Dibromofluoromethane	5.379	113	50835	43.879	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.760%		
50) Toluene-d8	8.641	98	176247	43.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.180%		
62) 4-Bromofluorobenzene	11.079	95	67111	45.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	81543	56.382	ug/l	98
3) Chloromethane	1.307	50	77087	51.883	ug/l	98
4) Vinyl Chloride	1.374	62	70654	51.962	ug/l	99
5) Bromomethane	1.593	94	31732	49.218	ug/l	99
6) Chloroethane	1.666	64	37965	52.626	ug/l	96
7) Trichlorofluoromethane	1.874	101	106831	52.688	ug/l	98
8) Diethyl Ether	2.130	74	33835	49.704	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	63673	53.591	ug/l	97
10) Methyl Iodide	2.441	142	74481	50.258	ug/l	99
11) Tert butyl alcohol	2.977	59	56849	239.188	ug/l	99
12) 1,1-Dichloroethene	2.306	96	57913	49.883	ug/l	97
13) Acrolein	2.233	56	96410	294.566	ug/l	100
14) Allyl chloride	2.654	41	113707	51.619	ug/l	98
15) Acrylonitrile	3.062	53	186427	248.485	ug/l	99
16) Acetone	2.380	43	178014	245.130	ug/l	97
17) Carbon Disulfide	2.502	76	145106	50.605	ug/l	100
18) Methyl Acetate	2.703	43	82725	49.477	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	203434	50.091	ug/l	97
20) Methylene Chloride	2.782	84	67127	49.375	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	58900	49.659	ug/l	96
22) Diisopropyl ether	3.757	45	220705	50.863	ug/l	97
23) Vinyl Acetate	3.715	43	975461	260.190	ug/l	100
24) 1,1-Dichloroethane	3.599	63	122843	50.059	ug/l	99
25) 2-Butanone	4.550	43	265772	250.017	ug/l	98
26) 2,2-Dichloropropane	4.465	77	91259	57.558	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	70467	48.765	ug/l	98
28) Bromochloromethane	4.885	49	58888	49.658	ug/l	99
29) Tetrahydrofuran	5.001	42	168431	244.391	ug/l	100
30) Chloroform	5.080	83	127207	50.378	ug/l	96
31) Cyclohexane	5.458	56	109881	50.650	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	107072	50.113	ug/l	99
36) 1,1-Dichloropropene	5.684	75	81866	52.336	ug/l	100
37) Ethyl Acetate	4.708	43	101136	51.305	ug/l	99
38) Carbon Tetrachloride	5.666	117	93252	55.161	ug/l	99
39) Methylcyclohexane	7.373	83	107689	56.163	ug/l	100
40) Benzene	6.025	78	246115	51.517	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	58687	56.425	ug/l	97
42) 1,2-Dichloroethane	6.074	62	105249	53.340	ug/l	100
43) Isopropyl Acetate	6.330	43	157563	52.737	ug/l	99
44) Trichloroethene	7.117	130	58260	51.308	ug/l	94
45) 1,2-Dichloropropane	7.421	63	62596	52.514	ug/l	98
46) Dibromomethane	7.574	93	47591	52.011	ug/l	98
47) Bromodichloromethane	7.818	83	97528	53.371	ug/l	100
48) Methyl methacrylate	7.690	41	83087	53.861	ug/l	99
49) 1,4-Dioxane	7.659	88	27137	972.308	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	531642	268.424	ug/l	99
52) Toluene	8.714	92	151389	52.369	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	86126	49.056	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	96025	55.919	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	60484	52.506	ug/l	96
56) Ethyl methacrylate	9.116	69	95283	53.447	ug/l	99
57) 1,3-Dichloropropane	9.305	76	105500	52.594	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	231389	256.573	ug/l	100
59) 2-Hexanone	9.427	43	391210	266.730	ug/l	99
60) Dibromochloromethane	9.519	129	69085	55.012	ug/l	97
61) 1,2-Dibromoethane	9.604	107	62072	53.230	ug/l	99
64) Tetrachloroethene	9.269	164	53413	53.258	ug/l	97
65) Chlorobenzene	10.073	112	160997	53.041	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	55317	52.492	ug/l	99
67) Ethyl Benzene	10.189	91	297368	54.700	ug/l	100
68) m/p-Xylenes	10.299	106	216775	109.636	ug/l	98
69) o-Xylene	10.640	106	105932	54.386	ug/l	99
70) Styrene	10.653	104	179659	55.886	ug/l	99
71) Bromoform	10.799	173	43659	55.486	ug/l #	98
73) Isopropylbenzene	10.957	105	288495	53.453	ug/l	100
74) N-amyl acetate	10.842	43	134287	52.015	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	91045	48.021	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81348m	49.496	ug/l	
77) Bromobenzene	11.195	156	63908	51.248	ug/l	100
78) n-propylbenzene	11.299	91	337878	54.351	ug/l	100
79) 2-Chlorotoluene	11.360	91	203932	51.314	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	239716	53.712	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25247	52.135	ug/l	99
82) 4-Chlorotoluene	11.451	91	235414	53.128	ug/l	100
83) tert-Butylbenzene	11.713	119	234285	53.024	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	241455	53.903	ug/l	99
85) sec-Butylbenzene	11.890	105	298315	54.969	ug/l	100
86) p-Isopropyltoluene	12.006	119	246346	55.060	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	116982	51.535	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	116831	50.768	ug/l	99
89) n-Butylbenzene	12.329	91	223310	57.557	ug/l	99
90) Hexachloroethane	12.536	117	42554	55.342	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	115345	51.109	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21298	53.714	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	68119	54.225	ug/l	99
94) Hexachlorobutadiene	13.725	225	29467	54.435	ug/l	97
95) Naphthalene	13.774	128	241025	51.558	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	68237	51.875	ug/l	99

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

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