

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031725\
 Data File : VX045297.D
 Acq On : 17 Mar 2025 11:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 18 01:21:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	113376	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	196865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	167918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	91218	50.581	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.160%			
35) Dibromofluoromethane	5.373	113	68276	51.866	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.740%			
50) Toluene-d8	8.641	98	236106	49.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.079	95	85515	54.075	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72448	50.765	ug/l	92
3) Chloromethane	1.307	50	79938	45.770	ug/l	95
4) Vinyl Chloride	1.374	62	72707	41.965	ug/l	97
5) Bromomethane	1.593	94	32087	47.111	ug/l	100
6) Chloroethane	1.660	64	37490	46.912	ug/l	99
7) Trichlorofluoromethane	1.868	101	105735	46.100	ug/l	99
8) Diethyl Ether	2.130	74	38359	42.758	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	71989	54.632	ug/l	100
10) Methyl Iodide	2.441	142	79422	48.230	ug/l	96
11) Tert butyl alcohol	2.977	59	71253	208.589	ug/l	99
12) 1,1-Dichloroethene	2.306	96	66556	47.774	ug/l	97
13) Acrolein	2.233	56	34446	87.233	ug/l	100
14) Allyl chloride	2.654	41	127485	51.408	ug/l	98
15) Acrylonitrile	3.062	53	214419	234.206	ug/l	98
16) Acetone	2.380	43	239739	286.520	ug/l	100
17) Carbon Disulfide	2.502	76	158676	42.763	ug/l	98
18) Methyl Acetate	2.703	43	116528	57.891	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	229243	49.046	ug/l	100
20) Methylene Chloride	2.782	84	75688	45.665	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	66406	48.248	ug/l	98
22) Diisopropyl ether	3.757	45	245843	48.745	ug/l	98
23) Vinyl Acetate	3.715	43	1046058	248.540	ug/l	99
24) 1,1-Dichloroethane	3.599	63	136138	48.165	ug/l	99
25) 2-Butanone	4.550	43	319225	253.457	ug/l	98
26) 2,2-Dichloropropane	4.465	77	104177	78.578	ug/l	93
27) cis-1,2-Dichloroethene	4.477	96	82209	48.386	ug/l	95
28) Bromochloromethane	4.885	49	68671	50.971	ug/l	100
29) Tetrahydrofuran	5.001	42	191042	225.870	ug/l	100
30) Chloroform	5.080	83	133645	47.586	ug/l	99
31) Cyclohexane	5.458	56	114673	46.737	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	113366	49.979	ug/l	99
36) 1,1-Dichloropropene	5.684	75	87941	48.713	ug/l	98
37) Ethyl Acetate	4.708	43	111142	47.778	ug/l	98
38) Carbon Tetrachloride	5.666	117	95931	52.341	ug/l	98
39) Methylcyclohexane	7.373	83	116867	54.026	ug/l	99
40) Benzene	6.025	78	274161	48.092	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	63068	50.140	ug/l	98
42) 1,2-Dichloroethane	6.080	62	102880	50.116	ug/l	98
43) Isopropyl Acetate	6.330	43	176650	51.354	ug/l	100
44) Trichloroethene	7.117	130	64188	47.953	ug/l	99
45) 1,2-Dichloropropane	7.421	63	70538	48.126	ug/l	98
46) Dibromomethane	7.574	93	51314	49.532	ug/l	98
47) Bromodichloromethane	7.818	83	104286	51.321	ug/l	100
48) Methyl methacrylate	7.684	41	89305	51.749	ug/l	96
49) 1,4-Dioxane	7.659	88	33465	919.306	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	581623	251.822	ug/l	99
52) Toluene	8.714	92	162349	48.539	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	97492	57.389	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	109259	55.155	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	66529	48.317	ug/l	97
56) Ethyl methacrylate	9.110	69	110344	52.720	ug/l	97
57) 1,3-Dichloropropane	9.305	76	114607	48.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	287733	281.815	ug/l	99
59) 2-Hexanone	9.427	43	443497	265.021	ug/l	99
60) Dibromochloromethane	9.519	129	75318	52.315	ug/l	100
61) 1,2-Dibromoethane	9.604	107	67374	49.014	ug/l	99
64) Tetrachloroethene	9.269	164	52715	49.017	ug/l	94
65) Chlorobenzene	10.073	112	178272	50.173	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	61102	51.639	ug/l	97
67) Ethyl Benzene	10.189	91	311624	50.334	ug/l	100
68) m/p-Xylenes	10.299	106	231086	101.962	ug/l	98
69) o-Xylene	10.640	106	113560	49.681	ug/l	100
70) Styrene	10.653	104	194100	52.480	ug/l	99
71) Bromoform	10.793	173	49391	55.354	ug/l #	100
73) Isopropylbenzene	10.957	105	300740	48.748	ug/l	99
74) N-amyl acetate	10.842	43	151182	52.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	106547	47.064	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	89894m	48.865	ug/l	
77) Bromobenzene	11.195	156	68914	47.345	ug/l	96
78) n-propylbenzene	11.299	91	354861	50.920	ug/l	98
79) 2-Chlorotoluene	11.360	91	212489	47.877	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	248705	49.858	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	31616	58.814	ug/l	98
82) 4-Chlorotoluene	11.451	91	241505	49.927	ug/l	100
83) tert-Butylbenzene	11.713	119	253126	49.387	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	250844	49.977	ug/l	98
85) sec-Butylbenzene	11.890	105	316830	51.605	ug/l	100
86) p-Isopropyltoluene	12.006	119	261086	52.622	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	129264	49.781	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	127403	48.496	ug/l	99
89) n-Butylbenzene	12.329	91	244949	57.321	ug/l	99
90) Hexachloroethane	12.536	117	48225	53.737	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	127607	48.989	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23258	52.734	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	80672	54.390	ug/l	98
94) Hexachlorobutadiene	13.725	225	32950	54.186	ug/l	98
95) Naphthalene	13.774	128	289146	50.740	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	81546	52.116	ug/l	98

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

