

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022725\
 Data File : VX045057.D
 Acq On : 27 Feb 2025 10:07
 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 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 00:39:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	105753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	185667	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79871	51.595	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.200%			
35) Dibromofluoromethane	5.373	113	63956	52.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.960%			
50) Toluene-d8	8.647	98	223313	48.922	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.840%			
62) 4-Bromofluorobenzene	11.079	95	78624	51.092	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72524	48.896	ug/l	98
3) Chloromethane	1.307	50	76188	42.204	ug/l	99
4) Vinyl Chloride	1.374	62	79162	45.265	ug/l	99
5) Bromomethane	1.593	94	30949	59.138	ug/l	100
6) Chloroethane	1.666	64	43848	70.598	ug/l	99
7) Trichlorofluoromethane	1.874	101	116626	52.732	ug/l	98
8) Diethyl Ether	2.130	74	41198	51.364	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	69018	51.650	ug/l	99
10) Methyl Iodide	2.441	142	78467	45.309	ug/l	97
11) Tert butyl alcohol	2.971	59	74465	259.292	ug/l	99
12) 1,1-Dichloroethene	2.307	96	64580	47.378	ug/l	98
13) Acrolein	2.233	56	87486	295.258	ug/l	99
14) Allyl chloride	2.654	41	122681	49.801	ug/l	98
15) Acrylonitrile	3.062	53	220460	287.514	ug/l	97
16) Acetone	2.380	43	186098	299.038	ug/l	94
17) Carbon Disulfide	2.502	76	152157	40.708	ug/l	100
18) Methyl Acetate	2.703	43	129058	65.718	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	219785	50.678	ug/l	99
20) Methylene Chloride	2.782	84	74430	48.828	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	64288	47.921	ug/l	95
22) Diisopropyl ether	3.757	45	247311	53.065	ug/l	98
23) Vinyl Acetate	3.715	43	998601	262.825	ug/l	98
24) 1,1-Dichloroethane	3.605	63	132419	50.780	ug/l	99
25) 2-Butanone	4.556	43	310087	306.853	ug/l	96
26) 2,2-Dichloropropane	4.471	77	97118	46.962	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	80994	50.262	ug/l	99
28) Bromochloromethane	4.891	49	60987	48.665	ug/l	100
29) Tetrahydrofuran	5.001	42	200325	298.538	ug/l	97
30) Chloroform	5.087	83	131808	52.120	ug/l	99
31) Cyclohexane	5.458	56	110840	46.105	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	108523	50.592	ug/l	97
36) 1,1-Dichloropropene	5.684	75	87448	50.212	ug/l	100
37) Ethyl Acetate	4.709	43	111252	57.431	ug/l	99
38) Carbon Tetrachloride	5.666	117	93320	54.680	ug/l	97
39) Methylcyclohexane	7.373	83	113655	50.478	ug/l	96
40) Benzene	6.031	78	278703	51.249	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	65520	63.190	ug/l	97
42) 1,2-Dichloroethane	6.080	62	99993	57.692	ug/l	98
43) Isopropyl Acetate	6.336	43	179465	57.370	ug/l	98
44) Trichloroethene	7.117	130	64968	52.265	ug/l	96
45) 1,2-Dichloropropane	7.421	63	71253	52.665	ug/l	100
46) Dibromomethane	7.574	93	51622	55.018	ug/l	98
47) Bromodichloromethane	7.818	83	103376	56.901	ug/l	100
48) Methyl methacrylate	7.690	41	86161	58.415	ug/l	97
49) 1,4-Dioxane	7.659	88	35100	1109.165	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	603169	317.164	ug/l	97
52) Toluene	8.714	92	169466	52.324	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	95766	52.090	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	107653	52.518	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	68840	55.292	ug/l	97
56) Ethyl methacrylate	9.116	69	110378	54.891	ug/l	95
57) 1,3-Dichloropropane	9.305	76	119524	54.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	280428	284.022	ug/l	100
59) 2-Hexanone	9.427	43	436192	318.334	ug/l	96
60) Dibromochloromethane	9.519	129	77191	57.973	ug/l	98
61) 1,2-Dibromoethane	9.604	107	68638	54.393	ug/l	99
64) Tetrachloroethene	9.269	164	53775	52.452	ug/l	97
65) Chlorobenzene	10.073	112	183094	52.437	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	62299	55.433	ug/l	99
67) Ethyl Benzene	10.189	91	325118	52.764	ug/l	98
68) m/p-Xylenes	10.299	106	240226	105.689	ug/l	99
69) o-Xylene	10.640	106	117575	51.552	ug/l	98
70) Styrene	10.653	104	198609	54.051	ug/l	99
71) Bromoform	10.799	173	50380	60.067	ug/l #	98
73) Isopropylbenzene	10.957	105	308870	53.550	ug/l	100
74) N-amyl acetate	10.842	43	142840	54.727	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	105253	53.104	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	87962m	55.384	ug/l	
77) Bromobenzene	11.195	156	70753	54.106	ug/l	96
78) n-propylbenzene	11.299	91	362711	54.482	ug/l	100
79) 2-Chlorotoluene	11.360	91	214205	52.352	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	253331	54.123	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30604	49.568	ug/l	92
82) 4-Chlorotoluene	11.451	91	240764	53.187	ug/l	99
83) tert-Butylbenzene	11.713	119	255849	54.032	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	250456	54.214	ug/l	100
85) sec-Butylbenzene	11.890	105	322869	55.065	ug/l	100
86) p-Isopropyltoluene	12.006	119	260334	55.211	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	127082	52.846	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	125636	51.673	ug/l	100
89) n-Butylbenzene	12.329	91	236227	56.628	ug/l	99
90) Hexachloroethane	12.536	117	47073	53.316	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	124539	52.695	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21560	59.601	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	77779	54.387	ug/l	98
94) Hexachlorobutadiene	13.725	225	32243	56.793	ug/l	98
95) Naphthalene	13.774	128	284522	55.037	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	78551	54.510	ug/l	98

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

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