

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045100.D
 Acq On : 03 Mar 2025 08:47
 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 03/04/2025
 Supervised By : Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:16:48 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

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	110336	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	188916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78535	44.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.500%		
35) Dibromofluoromethane	5.373	113	60858	48.176	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.360%		
50) Toluene-d8	8.641	98	228601	49.917	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.840%		
62) 4-Bromofluorobenzene	11.079	95	79497	52.385	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	76304	54.940	ug/l	98
3) Chloromethane	1.294	50	91333	53.736	ug/l	98
4) Vinyl Chloride	1.374	62	86098	51.063	ug/l	96
5) Bromomethane	1.593	94	34492	52.037	ug/l	97
6) Chloroethane	1.672	64	48810	62.760	ug/l	97
7) Trichlorofluoromethane	1.880	101	119695	53.624	ug/l	98
8) Diethyl Ether	2.130	74	44057	50.463	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	71981	56.131	ug/l	99
10) Methyl Iodide	2.447	142	85221	53.177	ug/l	99
11) Tert butyl alcohol	2.965	59	63333	190.512	ug/l	98
12) 1,1-Dichloroethene	2.312	96	69125	50.985	ug/l	97
13) Acrolein	2.233	56	83160	216.401	ug/l	99
14) Allyl chloride	2.660	41	127308	52.751	ug/l	97
15) Acrylonitrile	3.056	53	197379	221.534	ug/l	100
16) Acetone	2.373	43	202880	249.149	ug/l	97
17) Carbon Disulfide	2.508	76	194098	53.750	ug/l	97
18) Methyl Acetate	2.697	43	83486	42.618	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	222567	48.930	ug/l	97
20) Methylene Chloride	2.782	84	76690	47.545	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	69898	52.185	ug/l	96
22) Diisopropyl ether	3.751	45	248151	50.558	ug/l	91
23) Vinyl Acetate	3.709	43	1056619	257.967	ug/l	99
24) 1,1-Dichloroethane	3.599	63	134862	49.028	ug/l	99
25) 2-Butanone	4.544	43	280054	228.483	ug/l	98
26) 2,2-Dichloropropane	4.465	77	104804	81.229	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	82263	49.752	ug/l	95
28) Bromochloromethane	4.885	49	66902	51.026	ug/l	99
29) Tetrahydrofuran	4.995	42	169123	205.464	ug/l	100
30) Chloroform	5.080	83	133151	48.717	ug/l	100
31) Cyclohexane	5.464	56	125240	52.450	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	111844	50.666	ug/l	100
36) 1,1-Dichloropropene	5.684	75	93232	53.817	ug/l	99
37) Ethyl Acetate	4.696	43	101438	45.441	ug/l	99
38) Carbon Tetrachloride	5.666	117	97961	55.698	ug/l	94
39) Methylcyclohexane	7.373	83	124590	60.020	ug/l	97
40) Benzene	6.025	78	283933	51.902	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	57735	47.832	ug/l	98
42) 1,2-Dichloroethane	6.074	62	98234	49.867	ug/l	100
43) Isopropyl Acetate	6.330	43	165728	50.206	ug/l	99
44) Trichloroethene	7.117	130	67789	52.774	ug/l	99
45) 1,2-Dichloropropane	7.421	63	71127	50.569	ug/l	99
46) Dibromomethane	7.574	93	51508	51.811	ug/l	99
47) Bromodichloromethane	7.811	83	103145	52.895	ug/l	99
48) Methyl methacrylate	7.683	41	81543	49.240	ug/l	99
49) 1,4-Dioxane	7.653	88	33724	965.401	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	527249	237.886	ug/l	100
52) Toluene	8.714	92	171620	53.470	ug/l	100
53) t-1,3-Dichloropropene	8.970	75	99191	60.846	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	112314	59.082	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	65000	49.192	ug/l	96
56) Ethyl methacrylate	9.110	69	105447	52.500	ug/l	99
57) 1,3-Dichloropropane	9.305	76	114030	49.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	263987	269.437	ug/l	99
59) 2-Hexanone	9.427	43	396897	247.153	ug/l	100
60) Dibromochloromethane	9.512	129	75321	54.518	ug/l	99
61) 1,2-Dibromoethane	9.604	107	67274	51.000	ug/l	99
64) Tetrachloroethene	9.269	164	56666	53.797	ug/l	96
65) Chlorobenzene	10.073	112	183860	52.832	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	61384	52.966	ug/l	98
67) Ethyl Benzene	10.189	91	328535	54.180	ug/l	99
68) m/p-Xylenes	10.299	106	243777	109.819	ug/l	99
69) o-Xylene	10.640	106	118940	53.126	ug/l	100
70) Styrene	10.652	104	202784	55.978	ug/l	100
71) Bromoform	10.799	173	49189	56.284	ug/l #	98
73) Isopropylbenzene	10.957	105	311255	51.893	ug/l	100
74) N-amyl acetate	10.841	43	147759	52.500	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	103046	46.816	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	85705m	47.917	ug/l	
77) Bromobenzene	11.195	156	73426	51.884	ug/l	99
78) n-propylbenzene	11.299	91	369377	54.516	ug/l	100
79) 2-Chlorotoluene	11.360	91	218391	50.611	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	258263	53.251	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	29745	56.912	ug/l	99
82) 4-Chlorotoluene	11.451	91	249399	53.031	ug/l	99
83) tert-Butylbenzene	11.713	119	261634	52.504	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	261885	53.666	ug/l	100
85) sec-Butylbenzene	11.884	105	328305	55.000	ug/l	100
86) p-Isopropyltoluene	12.006	119	274625	56.930	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	134914	53.439	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	135078	52.885	ug/l	99
89) n-Butylbenzene	12.329	91	253261	60.957	ug/l	100
90) Hexachloroethane	12.536	117	47961	54.968	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	134345	53.047	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20011	46.667	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	83758	58.082	ug/l	99
94) Hexachlorobutadiene	13.719	225	34572	58.476	ug/l	99
95) Naphthalene	13.774	128	280556	50.637	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	81985	53.892	ug/l	98

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

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