

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042925\
 Data File : VX045983.D
 Acq On : 29 Apr 2025 16:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/30/2025
 Supervised By : Semsettin Yesilyurt 04/30/2025

Quant Time: Apr 30 01:41:36 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	82303	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	140566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	76734	50.982	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.960%			
35) Dibromofluoromethane	5.373	113	54391	54.537	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.080%			
50) Toluene-d8	8.641	98	176745	50.774	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	70111	55.294	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60417	49.086	ug/l	96
3) Chloromethane	1.307	50	59625	47.153	ug/l	99
4) Vinyl Chloride	1.374	62	57215	49.442	ug/l	99
5) Bromomethane	1.593	94	26174	47.702	ug/l	98
6) Chloroethane	1.672	64	32621	53.132	ug/l	96
7) Trichlorofluoromethane	1.874	101	93878	54.403	ug/l	99
8) Diethyl Ether	2.130	74	31555	54.467	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	58127	57.485	ug/l	98
10) Methyl Iodide	2.441	142	68800	54.549	ug/l	98
11) Tert butyl alcohol	2.965	59	56845	281.029	ug/l	99
12) 1,1-Dichloroethene	2.313	96	52697	53.335	ug/l	97
13) Acrolein	2.233	56	72597	260.628	ug/l	99
14) Allyl chloride	2.654	41	104356	55.665	ug/l	100
15) Acrylonitrile	3.056	53	176775	276.857	ug/l	99
16) Acetone	2.380	43	163579	264.674	ug/l	99
17) Carbon Disulfide	2.502	76	111906	45.857	ug/l	99
18) Methyl Acetate	2.697	43	97944	68.831	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	193130	55.877	ug/l	100
20) Methylene Chloride	2.782	84	61264	52.949	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	53245	52.748	ug/l	100
22) Diisopropyl ether	3.757	45	209243	56.661	ug/l	99
23) Vinyl Acetate	3.715	43	894320	280.296	ug/l	99
24) 1,1-Dichloroethane	3.599	63	113238	54.220	ug/l	100
25) 2-Butanone	4.550	43	250035	276.378	ug/l	99
26) 2,2-Dichloropropane	4.459	77	85289	63.207	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	66695	54.232	ug/l	98
28) Bromochloromethane	4.885	49	49890	49.433	ug/l	98
29) Tetrahydrofuran	4.995	42	158070	269.497	ug/l	100
30) Chloroform	5.080	83	119415	55.568	ug/l	99
31) Cyclohexane	5.452	56	97140	52.613	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	101307	55.713	ug/l	100
36) 1,1-Dichloropropene	5.684	75	74959	55.666	ug/l	99
37) Ethyl Acetate	4.709	43	94673	55.790	ug/l	99
38) Carbon Tetrachloride	5.666	117	87344	60.017	ug/l	99
39) Methylcyclohexane	7.373	83	96631	58.542	ug/l	97
40) Benzene	6.025	78	229199	55.731	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	56178	62.743	ug/l	98
42) 1,2-Dichloroethane	6.074	62	98837	58.187	ug/l	100
43) Isopropyl Acetate	6.330	43	151303	58.827	ug/l	99
44) Trichloroethene	7.117	130	54494	55.749	ug/l	97
45) 1,2-Dichloropropane	7.421	63	59097	57.592	ug/l	97
46) Dibromomethane	7.574	93	44911	57.015	ug/l	97
47) Bromodichloromethane	7.812	83	91943	58.448	ug/l	96
48) Methyl methacrylate	7.684	41	79811	60.100	ug/l	98
49) 1,4-Dioxane	7.653	88	28954	1205.097	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	504968	296.167	ug/l	100
52) Toluene	8.714	92	140340	56.395	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	82189	54.133	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	90305	61.089	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	56066	56.538	ug/l	97
56) Ethyl methacrylate	9.110	69	93620	61.003	ug/l	99
57) 1,3-Dichloropropane	9.305	76	98310	56.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	218510	281.456	ug/l	100
59) 2-Hexanone	9.427	43	374751	296.808	ug/l	99
60) Dibromochloromethane	9.513	129	64630	59.783	ug/l	99
61) 1,2-Dibromoethane	9.604	107	58971	58.745	ug/l	98
64) Tetrachloroethene	9.269	164	48385	55.640	ug/l	98
65) Chlorobenzene	10.073	112	151516	57.569	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	53356	58.393	ug/l	98
67) Ethyl Benzene	10.189	91	274470	58.228	ug/l	100
68) m/p-Xylenes	10.299	106	200096	116.713	ug/l	99
69) o-Xylene	10.640	106	98274	58.189	ug/l	98
70) Styrene	10.653	104	165602	59.409	ug/l	98
71) Bromoform	10.799	173	40824	59.836	ug/l #	98
73) Isopropylbenzene	10.957	105	266916	54.690	ug/l	100
74) N-amyl acetate	10.842	43	131669	56.399	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	88921	51.865	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80454m	54.133	ug/l	
77) Bromobenzene	11.195	156	59371	52.649	ug/l	99
78) n-propylbenzene	11.299	91	314312	55.912	ug/l	100
79) 2-Chlorotoluene	11.360	91	193459	53.831	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	225843	55.960	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	23630	53.960	ug/l	98
82) 4-Chlorotoluene	11.451	91	221040	55.164	ug/l	99
83) tert-Butylbenzene	11.713	119	220386	55.158	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	227431	56.147	ug/l	99
85) sec-Butylbenzene	11.890	105	280341	57.125	ug/l	99
86) p-Isopropyltoluene	12.006	119	232742	57.525	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113111	55.104	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	111351	53.508	ug/l	98
89) n-Butylbenzene	12.329	91	212787	60.650	ug/l	99
90) Hexachloroethane	12.536	117	40872	58.781	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	111703	54.734	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20668	57.642	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	65072	57.282	ug/l	99
94) Hexachlorobutadiene	13.719	225	29033	59.310	ug/l	97
95) Naphthalene	13.774	128	233645	55.269	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	66640	56.023	ug/l	99

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

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