

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
 Data File : VX045006.D
 Acq On : 19 Feb 2025 16:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2025
 Supervised By : Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 02:39:15 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	5.538	168	111918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	193437	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	171613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73756	45.020	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.040%		
35) Dibromofluoromethane	5.373	113	58370	46.411	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.820%		
50) Toluene-d8	8.641	98	215053	45.220	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.440%		
62) 4-Bromofluorobenzene	11.079	95	76549	47.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	76477	48.721	ug/l	97
3) Chloromethane	1.301	50	83167	43.532	ug/l	97
4) Vinyl Chloride	1.374	62	84525	45.669	ug/l	99
5) Bromomethane	1.593	94	24841	44.852	ug/l	99
6) Chloroethane	1.660	64	41110	59.512	ug/l	99
7) Trichlorofluoromethane	1.867	101	117243	50.091	ug/l	99
8) Diethyl Ether	2.130	74	43592	51.355	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	69633	49.240	ug/l	99
10) Methyl Iodide	2.441	142	82042	44.764	ug/l	98
11) Tert butyl alcohol	2.995	59	57879	190.437	ug/l	100
12) 1,1-Dichloroethene	2.306	96	67015	46.457	ug/l	98
13) Acrolein	2.233	56	60438	192.737	ug/l	97
14) Allyl chloride	2.654	41	123182	47.250	ug/l	97
15) Acrylonitrile	3.056	53	191197	235.615	ug/l	99
16) Acetone	2.380	43	181012	274.843	ug/l	96
17) Carbon Disulfide	2.502	76	167435	42.328	ug/l	100
18) Methyl Acetate	2.697	43	104165	50.120	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	221077	48.168	ug/l	99
20) Methylene Chloride	2.782	84	75620	46.876	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	66758	47.021	ug/l	97
22) Diisopropyl ether	3.751	45	249101	50.505	ug/l	97
23) Vinyl Acetate	3.709	43	993173	246.998	ug/l	99
24) 1,1-Dichloroethane	3.599	63	133372	48.328	ug/l	100
25) 2-Butanone	4.544	43	266792	249.467	ug/l	97
26) 2,2-Dichloropropane	4.458	77	104327	47.669	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	83285	48.837	ug/l	99
28) Bromochloromethane	4.885	49	64586	48.698	ug/l	99
29) Tetrahydrofuran	4.995	42	167380	235.701	ug/l	98
30) Chloroform	5.080	83	132906	49.659	ug/l	98
31) Cyclohexane	5.452	56	117654	46.244	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	109999	48.455	ug/l	98
36) 1,1-Dichloropropene	5.678	75	89732	49.454	ug/l	99
37) Ethyl Acetate	4.702	43	96272	47.702	ug/l	99
38) Carbon Tetrachloride	5.659	117	90648	50.981	ug/l	100
39) Methylcyclohexane	7.366	83	121788	51.917	ug/l	97
40) Benzene	6.025	78	285227	50.342	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	58426	54.084	ug/l	98
42) 1,2-Dichloroethane	6.074	62	98526	54.562	ug/l	98
43) Isopropyl Acetate	6.330	43	167374	51.356	ug/l	98
44) Trichloroethene	7.117	130	66265	51.168	ug/l	95
45) 1,2-Dichloropropane	7.421	63	71705	50.870	ug/l	96
46) Dibromomethane	7.574	93	51032	52.205	ug/l	99
47) Bromodichloromethane	7.812	83	102120	53.952	ug/l	98
48) Methyl methacrylate	7.684	41	82698	53.815	ug/l	97
49) 1,4-Dioxane	7.659	88	29350	890.209	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	525038	264.991	ug/l	98
52) Toluene	8.714	92	173548	51.432	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	99964	52.189	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	111401	52.163	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	68130	52.524	ug/l	99
56) Ethyl methacrylate	9.110	69	109605	52.318	ug/l	96
57) 1,3-Dichloropropane	9.305	76	118507	52.215	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	279216	271.435	ug/l	100
59) 2-Hexanone	9.427	43	382459	267.908	ug/l	97
60) Dibromochloromethane	9.519	129	75451	54.390	ug/l	97
61) 1,2-Dibromoethane	9.604	107	68899	52.406	ug/l	98
64) Tetrachloroethene	9.269	164	55372	51.163	ug/l	99
65) Chlorobenzene	10.073	112	189386	51.380	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	60786	51.236	ug/l	99
67) Ethyl Benzene	10.189	91	336260	51.696	ug/l	98
68) m/p-Xylenes	10.299	106	251317	104.739	ug/l	100
69) o-Xylene	10.640	106	122824	51.014	ug/l	99
70) Styrene	10.652	104	205853	53.069	ug/l	99
71) Bromoform	10.793	173	46671	52.711	ug/l #	98
73) Isopropylbenzene	10.957	105	320617	50.260	ug/l	99
74) N-amyl acetate	10.841	43	145430	50.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	104074	47.478	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	83838m	47.729	ug/l	
77) Bromobenzene	11.195	156	72837	50.363	ug/l	99
78) n-propylbenzene	11.299	91	381640	51.832	ug/l	100
79) 2-Chlorotoluene	11.360	91	222896	49.256	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	262910	50.788	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26527	38.848	ug/l	92
82) 4-Chlorotoluene	11.451	91	252784	50.492	ug/l	100
83) tert-Butylbenzene	11.713	119	264512	50.509	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	264457	51.760	ug/l	100
85) sec-Butylbenzene	11.884	105	337478	52.041	ug/l	99
86) p-Isopropyltoluene	12.006	119	276863	53.090	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	134818	50.692	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	134805	50.131	ug/l	100
89) n-Butylbenzene	12.329	91	258301	55.987	ug/l	100
90) Hexachloroethane	12.536	117	45823	46.927	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	132206	50.579	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19635	49.079	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	84981	53.729	ug/l	100
94) Hexachlorobutadiene	13.725	225	34322	54.662	ug/l	99
95) Naphthalene	13.774	128	294926	51.583	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	84913	53.279	ug/l	100

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

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