

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037645.D
 Acq On : 11 Sep 2023 17:00
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 09:56:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 09:13:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	142784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	264151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	3282	1.421	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	2.840%#
35) Dibromofluoromethane	5.397	113	2473	1.321	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	2.640%#
50) Toluene-d8	8.653	98	8221	1.164	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	2.320%#
62) 4-Bromofluorobenzene	11.085	95	2314	0.908	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	1.820%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	1535	1.005	ug/l	99
3) Chloromethane	1.301	50	2153	1.202	ug/l	99
4) Vinyl Chloride	1.374	62	2229	1.131	ug/l	95
5) Bromomethane	1.593	94	2596	1.547	ug/l	92
6) Chloroethane	1.679	64	2146	1.602	ug/l	93
7) Trichlorofluoromethane	1.886	101	4066	1.217	ug/l	98
8) Diethyl Ether	2.130	74	1688	1.250	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	1518	1.027	ug/l #	84
10) Methyl Iodide	2.447	142	1624	0.924	ug/l	93
11) Tert butyl alcohol	2.965	59	5591	0.876	ug/l #	87
12) 1,1-Dichloroethene	2.319	96	1561	1.075	ug/l	96
13) Acrolein	2.239	56	2616	6.931	ug/l	100
14) Allyl chloride	2.660	41	3115	1.205	ug/l	97
15) Acrylonitrile	3.069	53	5849	5.384	ug/l	98
16) Acetone	2.380	43	7568	7.925	ug/l	96
17) Carbon Disulfide	2.514	76	4038	1.079	ug/l	99
18) Methyl Acetate	2.709	43	4788	1.196	ug/l	94
19) Methyl tert-butyl Ether	3.123	73	6281	1.071	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	1825	1.060	ug/l	85
22) Diisopropyl ether	3.770	45	5916	1.049	ug/l	87
23) Vinyl Acetate	3.733	43	20407	4.932	ug/l	98
24) 1,1-Dichloroethane	3.611	63	3408	1.033	ug/l	98
25) 2-Butanone	4.581	43	9841	6.418	ug/l	94
26) 2,2-Dichloropropane	4.477	77	2530	1.107	ug/l	78
27) cis-1,2-Dichloroethene	4.483	96	2368	1.150	ug/l	91
28) Bromochloromethane	4.916	49	1873	1.119	ug/l #	98
29) Tetrahydrofuran	5.019	42	5518	5.579	ug/l	92
30) Chloroform	5.099	83	4109	1.149	ug/l	85
31) Cyclohexane	5.471	56	2814	1.058	ug/l	87
32) 1,1,1-Trichloroethane	5.385	97	2827	0.941	ug/l #	49
36) 1,1-Dichloropropene	5.702	75	2877	1.114	ug/l	96
37) Ethyl Acetate	4.733	43	3424	1.150	ug/l #	93
38) Carbon Tetrachloride	5.678	117	2535	0.983	ug/l	92
39) Methylcyclohexane	7.379	83	2881	0.949	ug/l	86
40) Benzene	6.038	78	8286	1.055	ug/l	97
41) Methacrylonitrile	4.940	41	1743	1.102	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.105	62	3259	1.071	ug/l	98
43) Isopropyl Acetate	6.342	43	4671	0.992	ug/l #	86
44) Trichloroethene	7.135	130	1953	1.019	ug/l	99
45) 1,2-Dichloropropane	7.434	63	2056	0.998	ug/l	96
46) Dibromomethane	7.592	93	1476	0.982	ug/l	95
47) Bromodichloromethane	7.824	83	2517	0.934	ug/l #	95
48) Methyl methacrylate	7.702	41	2277	0.990	ug/l #	79
49) 1,4-Dioxane	7.671	88	1098	19.175	ug/l #	97
51) 4-Methyl-2-Pentanone	8.580	43	15301	4.930	ug/l	95
52) Toluene	8.720	92	4895	0.985	ug/l	89
53) t-1,3-Dichloropropene	8.988	75	2081	0.764	ug/l #	88
54) cis-1,3-Dichloropropene	8.379	75	2562	0.863	ug/l #	92
55) 1,1,2-Trichloroethane	9.159	97	2151	1.007	ug/l	96
56) Ethyl methacrylate	9.122	69	2936	0.915	ug/l #	87
57) 1,3-Dichloropropane	9.311	76	3590	1.010	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.245	63	7199	4.646	ug/l	99
59) 2-Hexanone	9.433	43	11686	4.909	ug/l	100
60) Dibromochloromethane	9.525	129	1793	0.865	ug/l	97
61) 1,2-Dibromoethane	9.616	107	2195	0.974	ug/l	92
64) Tetrachloroethene	9.275	164	1681	1.082	ug/l #	84
65) Chlorobenzene	10.080	112	5548	1.061	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	1686	0.924	ug/l #	65
67) Ethyl Benzene	10.195	91	9163	0.986	ug/l	93
68) m/p-Xylenes	10.305	106	6473	1.827	ug/l	97
69) o-Xylene	10.647	106	3319	0.945	ug/l	98
70) Styrene	10.659	104	5076	0.876	ug/l	98
71) Bromoform	10.799	173	1067	0.765	ug/l #	88
73) Isopropylbenzene	10.964	105	8157	1.069	ug/l	99
74) N-amyl acetate	10.848	43	3491	1.036	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	3243	1.121	ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	3521	1.536	ug/l	81
77) Bromobenzene	11.207	156	1992	1.088	ug/l	98
78) n-propylbenzene	11.305	91	9298	1.056	ug/l	100
79) 2-Chlorotoluene	11.366	91	6103	1.127	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	6606	1.025	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	620	0.845	ug/l	96
82) 4-Chlorotoluene	11.457	91	6551	1.063	ug/l	98
83) tert-Butylbenzene	11.713	119	6696	1.042	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	6155	0.951	ug/l	98
85) sec-Butylbenzene	11.890	105	7947	0.998	ug/l	98
86) p-Isopropyltoluene	12.012	119	6154	0.938	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	3723	1.070	ug/l	95
88) 1,4-Dichlorobenzene	11.969	146	3723	1.051	ug/l	96
89) n-Butylbenzene	12.335	91	4943	0.842	ug/l	99
90) Hexachloroethane	12.536	117	1130	1.019	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	3811	1.077	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	556	0.915	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	2148	1.045	ug/l	90
94) Hexachlorobutadiene	13.725	225	986	1.107	ug/l	89
95) Naphthalene	13.774	128	6970	0.937	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	2060	0.972	ug/l	93

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

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