

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024321.D
 Acq On : 17 Sep 2021 19:53
 Operator : JC/MD
 Sample : M3782-21MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20210915MS

Manual Integrations
 APPROVED

MMDadoda
 9/22/2021 7:39:40 PM

Quant Time: Sep 22 08:05:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	172477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	222716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	122846	49.948	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.900%
35) Dibromofluoromethane	5.397	113	91855	58.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	116.940%
50) Toluene-d8	8.653	98	282306	49.330	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.660%
62) 4-Bromofluorobenzene	11.085	95	112087	50.329	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	86147	51.959	ug/l	99
3) Chloromethane	1.294	50	92126	53.210	ug/l	100
4) Vinyl Chloride	1.380	62	91219	52.939	ug/l	99
5) Bromomethane	1.599	94	52244	50.931	ug/l	97
6) Chloroethane	1.678	64	51495	45.245	ug/l	97
7) Trichlorofluoromethane	1.886	101	136164	47.109	ug/l	98
8) Diethyl Ether	2.142	74	46352	46.345	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	99010	58.309	ug/l	98
10) Methyl Iodide	2.453	142	124115	52.833	ug/l	91
11) Tert butyl alcohol	2.983	59	140646	272.893	ug/l	97
12) 1,1-Dichloroethene	2.319	96	90963	57.199	ug/l	90
13) Acrolein	2.245	56	33954	209.464	ug/l	100
14) Allyl chloride	2.666	41	160854	55.656	ug/l	94
15) Acrylonitrile	3.075	53	291137	289.412	ug/l	98
16) Acetone	2.392	43	272908	260.234	ug/l	90
17) Carbon Disulfide	2.514	76	204148	51.224	ug/l	99
18) Methyl Acetate	2.715	43	177923	54.116	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	325134	55.631	ug/l	99
20) Methylene Chloride	2.794	84	101556	50.430	ug/l	91
21) trans-1,2-Dichloroethene	3.099	96	93502	53.705	ug/l	94
22) Diisopropyl ether	3.776	45	325714	57.379	ug/l	93
23) Vinyl Acetate	3.733	43	1247485	270.659	ug/l	94
24) 1,1-Dichloroethane	3.617	63	186830	56.090	ug/l	96
25) 2-Butanone	4.574	43	434511	281.308	ug/l	94
26) 2,2-Dichloropropane	4.489	77	134897	46.238	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	116000	57.692	ug/l	97
28) Bromochloromethane	4.910	49	66591	49.065	ug/l	96
29) Tetrahydrofuran	5.019	42	284003	293.760	ug/l	89
30) Chloroform	5.105	83	199355	56.281	ug/l	98
31) Cyclohexane	5.483	56	158042	54.936	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	177757	56.072	ug/l	99
36) 1,1-Dichloropropene	5.702	75	139168	64.621	ug/l	99
37) Ethyl Acetate	4.733	43	153877	61.320	ug/l	95
38) Carbon Tetrachloride	5.684	117	157429	64.947	ug/l	99
39) Methylcyclohexane	7.385	83	142970	55.604	ug/l	95
40) Benzene	6.050	78	409285	66.262	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	91555	68.415	ug/l	91
42) 1,2-Dichloroethane	6.098	62	167732	65.121	ug/l	94
43) Isopropyl Acetate	6.354	43	250959	62.825	ug/l	93
44) Trichloroethene	7.135	130	409337	235.863	ug/l	100
45) 1,2-Dichloropropane	7.440	63	94969	58.254	ug/l	98
46) Dibromomethane	7.586	93	69754	58.453	ug/l	98
47) Bromodichloromethane	7.830	83	124423	56.073	ug/l	99
48) Methyl methacrylate	7.702	41	108651	54.514	ug/l	83
49) 1,4-Dioxane	7.665	88	48720	1167.419	ug/l #	96
51) 4-Methyl-2-Pentanone	8.580	43	735418	288.914	ug/l	90
52) Toluene	8.726	92	219886	54.315	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	133296	52.971	ug/l	96
54) cis-1,3-Dichloropropene	8.372	75	136356	52.362	ug/l #	87
55) 1,1,2-Trichloroethane	9.159	97	93864	54.442	ug/l	98
56) Ethyl methacrylate	9.122	69	143958	50.019	ug/l #	79
57) 1,3-Dichloropropane	9.311	76	152199	54.205	ug/l	99
59) 2-Hexanone	9.433	43	586682	295.793	ug/l	86
60) Dibromochloromethane	9.525	129	97631	49.935	ug/l	98
61) 1,2-Dibromoethane	9.616	107	99106	53.947	ug/l	99
64) Tetrachloroethene	9.275	164	93513	54.199	ug/l	93
65) Chlorobenzene	10.085	112	246674	53.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	94124	55.427	ug/l	99
67) Ethyl Benzene	10.195	91	440189	54.918	ug/l	99
68) m/p-Xylenes	10.305	106	343664	111.991	ug/l	99
69) o-Xylene	10.646	106	169649	55.383	ug/l	99
70) Styrene	10.659	104	285797	57.513	ug/l	98
71) Bromoform	10.805	173	74916	52.806	ug/l #	98
73) Isopropylbenzene	10.963	105	449025	53.046	ug/l	100
74) N-amyl acetate	10.848	43	187876	52.724	ug/l	89
75) 1,1,2,2-Tetrachloroethane	11.219	83	144350	52.712	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	132886m	50.841	ug/l	
77) Bromobenzene	11.201	156	114042	53.607	ug/l	94
78) n-propylbenzene	11.311	91	516674	54.031	ug/l	99
79) 2-Chlorotoluene	11.366	91	317908	53.522	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	385520	54.031	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	44657	50.249	ug/l #	87
82) 4-Chlorotoluene	11.457	91	366049	54.164	ug/l	100
83) tert-Butylbenzene	11.719	119	373826	54.283	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	382691	54.524	ug/l	98
85) sec-Butylbenzene	11.896	105	472529	54.765	ug/l	99
86) p-Isopropyltoluene	12.012	119	393714	54.360	ug/l	97
87) 1,3-Dichlorobenzene	11.975	146	208407	54.691	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	205622	52.865	ug/l	99
89) n-Butylbenzene	12.335	91	336475	53.692	ug/l	98
90) Hexachloroethane	12.542	117	65401	56.047	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	198876	53.198	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	31844	50.686	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	118866	53.956	ug/l	99
94) Hexachlorobutadiene	13.725	225	54097	49.174	ug/l	98
95) Naphthalene	13.780	128	400555	49.325	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	122938	55.363	ug/l	99

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

