

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
 Data File : VU043689.D
 Acq On : 12 May 2021 19:43
 Operator : SY/MD
 Sample : M2322-07MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2-20210505MSD

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:09:03 PM

Quant Time: May 13 01:36:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 09:51:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.379	168	102651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	174585	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	165047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	82868	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	100304	47.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.48%	
35) Dibromofluoromethane	5.295	113	66730	46.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.62%	
50) Toluene-d8	7.903	98	242826	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	10.639	95	90458	47.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.76%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	70142	48.99	ug/l	98
3) Chloromethane	1.520	50	90284	51.03	ug/l	99
4) Vinyl Chloride	1.607	62	84081	51.60	ug/l	99
5) Bromomethane	1.842	94	44333	48.33	ug/l	99
6) Chloroethane	1.929	64	49533	47.40	ug/l	99
7) Trichlorofluoromethane	2.138	101	111596	50.57	ug/l	97
8) Diethyl Ether	2.379	74	42640	53.29	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.584	101	63547	51.96	ug/l	98
10) Methyl Iodide	2.726	142	78326	52.21	ug/l	98
11) Tert butyl alcohol	3.186	59	117712	211.13	ug/l	99
12) 1,1-Dichloroethene	2.581	96	62913	52.94	ug/l	96
13) Acrolein	2.488	56	68403	278.76	ug/l	98
14) Allyl chloride	2.928	41	162708	54.64	ug/l	97
15) Acrylonitrile	3.318	53	282438	279.10	ug/l	99
16) Acetone	2.629	43	296378	256.95	ug/l	100
17) Carbon Disulfide	2.797	76	188224	49.95	ug/l	99
18) Methyl Acetate	2.951	43	143424	54.39	ug/l	99
19) Methyl tert-butyl Ether	3.369	73	223236	54.62	ug/l	95
20) Methylene Chloride	3.051	84	78194	48.18	ug/l	96
21) trans-1,2-Dichloroethene	3.359	96	68716	53.18	ug/l	97
22) Diisopropyl ether	3.999	45	284009	55.61	ug/l	94
23) Vinyl Acetate	3.961	43	1393159	238.37	ug/l	100
24) 1,1-Dichloroethane	3.877	63	152941	51.80	ug/l	98
25) 2-Butanone	4.707	43	488633	274.78	ug/l	99
26) 2,2-Dichloropropane	4.674	77	107708	54.13	ug/l	99
27) cis-1,2-Dichloroethene	4.674	96	79317	53.21	ug/l	97
28) Bromochloromethane	4.980	49	78801	53.19	ug/l	96
29) Tetrahydrofuran	5.054	42	280649	277.92	ug/l	99
30) Chloroform	5.096	83	144629	50.67	ug/l	98
31) Cyclohexane	5.395	56	123387	49.75	ug/l	99
32) 1,1,1-Trichloroethane	5.324	97	122448	50.34	ug/l	99
36) 1,1-Dichloropropene	5.533	75	104927	52.94	ug/l	98
37) Ethyl Acetate	4.806	43	171768	51.17	ug/l	100
38) Carbon Tetrachloride	5.533	117	102899	51.22	ug/l	98
39) Methylcyclohexane	6.771	83	100213	52.33	ug/l	98
40) Benzene	5.780	78	310472	52.25	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	99674	51.23	ug/l	98
42) 1,2-Dichloroethane	5.800	62	131568	50.43	ug/l	98
43) Isopropyl Acetate	5.915	43	260349	52.88	ug/l	99
44) Trichloroethene	6.549	130	71300	51.10	ug/l	97
45) 1,2-Dichloropropane	6.796	63	91275	52.13	ug/l	98
46) Dibromomethane	6.922	93	57734	52.31	ug/l	97
47) Bromodichloromethane	7.112	83	116615	52.19	ug/l	100
48) Methyl methacrylate	6.964	41	134617	54.42	ug/l	99
49) 1,4-Dioxane	6.970	88	37030	820.15	ug/l	95
51) 4-Methyl-2-Pentanone	7.796	43	932518	232.76	ug/l	100
52) Toluene	7.973	92	179987	52.41	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	125656	48.95	ug/l	99
54) cis-1,3-Dichloropropene	7.613	75	130369	53.37	ug/l	98
55) 1,1,2-Trichloroethane	8.407	97	76241	50.93	ug/l	97
56) Ethyl methacrylate	8.340	69	130435	46.49	ug/l	98
57) 1,3-Dichloropropane	8.581	76	140582	52.80	ug/l	99
59) 2-Hexanone	8.690	43	749056	229.81	ug/l	100
60) Dibromochloromethane	8.816	129	81867	51.41	ug/l	99
61) 1,2-Dibromoethane	8.928	107	83822	51.83	ug/l	99
64) Tetrachloroethene	8.558	164	60820	47.71	ug/l	98
65) Chlorobenzene	9.452	112	185192	50.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	69688	49.74	ug/l	98
67) Ethyl Benzene	9.575	91	351468	48.31	ug/l	99
68) m/p-Xylenes	9.700	106	256231	96.34	ug/l	98
69) o-Xylene	10.105	106	123964	47.72	ug/l	99
70) Styrene	10.118	104	212416	46.34	ug/l	100
71) Bromoform	10.298	173	63830	44.25	ug/l #	100
73) Isopropylbenzene	10.491	105	334353	56.29	ug/l	99
74) N-amyl acetate	10.324	43	217981	49.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.790	83	147089	52.49	ug/l	100
76) 1,2,3-Trichloropropane	10.828	75	139286m	52.86	ug/l	
77) Bromobenzene	10.787	156	81137	53.07	ug/l	98
78) n-propylbenzene	10.912	91	418201	57.58	ug/l	100
79) 2-Chlorotoluene	10.992	91	247148	54.89	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	289496	51.67	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.552	75	45101	55.74	ug/l	93
82) 4-Chlorotoluene	11.102	91	289789	56.33	ug/l	100
83) tert-Butylbenzene	11.427	119	274318	55.54	ug/l	99
84) 1,2,4-Trimethylbenzene	11.475	105	294533	51.93	ug/l	100
85) sec-Butylbenzene	11.648	105	347351	51.49	ug/l	99
86) p-Isopropyltoluene	11.800	119	296338	51.06	ug/l	100
87) 1,3-Dichlorobenzene	11.751	146	149225	51.59	ug/l	99
88) 1,4-Dichlorobenzene	11.841	146	149819	49.94	ug/l	98
89) n-Butylbenzene	12.214	91	282314	49.51	ug/l	99
90) Hexachloroethane	12.481	117	45010	54.16	ug/l	97
91) 1,2-Dichlorobenzene	12.217	146	153889	51.52	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	13.002	75	39200	56.76	ug/l	96
93) 1,2,4-Trichlorobenzene	13.848	180	102441	52.76	ug/l	99
94) Hexachlorobutadiene	14.028	225	46372	50.16	ug/l	99
95) Naphthalene	14.092	128	365461	51.92	ug/l	99
96) 1,2,3-Trichlorobenzene	14.336	180	105540	54.50	ug/l	99

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

