

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045776.D
 Acq On : 12 Nov 2021 17:53
 Operator : SY/MD
 Sample : M4606-04MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MH-117T-20211109MSD

Quant Time: Nov 15 05:22:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/16/2021

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

Internal Standards						
1) Pentafluorobenzene	5.379	168	102685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	180336	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	178596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	93169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	71664	46.601	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.200%		
35) Dibromofluoromethane	5.292	113	55974	46.490	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.980%		
50) Toluene-d8	7.899	98	208762	46.629	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.260%		
62) 4-Bromofluorobenzene	10.636	95	81720	45.519	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	59966	45.041	ug/l	98
3) Chloromethane	1.520	50	68221	44.784	ug/l	98
4) Vinyl Chloride	1.604	62	71520	48.197	ug/l	98
5) Bromomethane	1.842	94	45290	54.720	ug/l	99
6) Chloroethane	1.925	64	43003	44.406	ug/l	98
7) Trichlorofluoromethane	2.134	101	97251	49.561	ug/l	99
8) Diethyl Ether	2.379	74	38923	50.111	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.578	101	56324	49.157	ug/l	96
10) Methyl Iodide	2.723	142	56771	37.862	ug/l	92
11) Tert butyl alcohol	3.179	59	89591	294.334	ug/l	99
12) 1,1-Dichloroethene	2.578	96	54133	47.918	ug/l	98
13) Acrolein	2.485	56	12489	283.137	ug/l	100
14) Allyl chloride	2.922	41	100368	49.756	ug/l	96
15) Acrylonitrile	3.311	53	222893	274.270	ug/l	98
16) Acetone	2.623	43	174348	222.715	ug/l	98
17) Carbon Disulfide	2.794	76	133322	42.133	ug/l	99
18) Methyl Acetate	2.948	43	135820	50.939	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	211445	51.996	ug/l	98
20) Methylene Chloride	3.044	84	67391	49.544	ug/l	99
21) trans-1,2-Dichloroethene	3.353	96	59427	50.564	ug/l	97
22) Diisopropyl ether	3.996	45	208206	52.567	ug/l	91
23) Vinyl Acetate	3.957	43	782817	256.974	ug/l	99
24) 1,1-Dichloroethane	3.871	63	121663	51.547	ug/l	100
25) 2-Butanone	4.700	43	289452	266.591	ug/l	99
26) 2,2-Dichloropropane	4.668	77	93713	47.915	ug/l	100
27) cis-1,2-Dichloroethene	4.668	96	73214	53.038	ug/l	99
28) Bromochloromethane	4.977	49	60156	53.461	ug/l	95
29) Tetrahydrofuran	5.051	42	181595	273.430	ug/l	98
30) Chloroform	5.093	83	122529	52.491	ug/l	100
31) Cyclohexane	5.392	56	101298	45.145	ug/l	99
32) 1,1,1-Trichloroethane	5.321	97	104981	52.738	ug/l	98
36) 1,1-Dichloropropene	5.527	75	85938	48.873	ug/l	100
37) Ethyl Acetate	4.803	43	101998	50.496	ug/l	97
38) Carbon Tetrachloride	5.527	117	90194	50.877	ug/l	99
39) Methylcyclohexane	6.764	83	101539	47.069	ug/l	97
40) Benzene	5.777	78	261105	50.154	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.974	41	58150	54.476	ug/l	98
42) 1,2-Dichloroethane	5.797	62	97107	51.640	ug/l	100
43) Isopropyl Acetate	5.912	43	156913	50.789	ug/l	98
44) Trichloroethene	6.543	130	76470	61.365	ug/l	98
45) 1,2-Dichloropropane	6.793	63	73525	53.375	ug/l	98
46) Dibromomethane	6.919	93	49707	52.079	ug/l	99
47) Bromodichloromethane	7.108	83	97718	53.957	ug/l	97
48) Methyl methacrylate	6.961	41	75294	52.949	ug/l	97
49) 1,4-Dioxane	6.961	88	43422	1187.383	ug/l #	94
51) 4-Methyl-2-Pentanone	7.793	43	554953	272.298	ug/l	100
52) Toluene	7.970	92	165381	51.888	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	105176	50.532	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	111465	50.420	ug/l	95
55) 1,1,2-Trichloroethane	8.401	97	70717	53.535	ug/l	99
56) Ethyl methacrylate	8.334	69	109854	46.541	ug/l	97
57) 1,3-Dichloropropane	8.578	76	124616	52.378	ug/l	100
59) 2-Hexanone	8.684	43	424781	239.850	ug/l	99
60) Dibromochloromethane	8.813	129	74800	54.380	ug/l	100
61) 1,2-Dibromoethane	8.925	107	73657	51.990	ug/l	99
64) Tetrachloroethene	8.555	164	54709	53.371	ug/l	95
65) Chlorobenzene	9.449	112	175514	50.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	64148	51.271	ug/l	99
67) Ethyl Benzene	9.571	91	317515	50.541	ug/l	100
68) m/p-Xylenes	9.697	106	244036	103.000	ug/l	100
69) o-Xylene	10.102	106	120825	52.454	ug/l	98
70) Styrene	10.115	104	206667	53.034	ug/l	98
71) Bromoform	10.292	173	55541	47.092	ug/l #	99
73) Isopropylbenzene	10.488	105	315352	51.802	ug/l	99
74) N-amyl acetate	10.321	43	128960	46.959	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.784	83	123752	51.309	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	122741m	43.442	ug/l	
77) Bromobenzene	10.784	156	75269	50.926	ug/l	95
78) n-propylbenzene	10.909	91	382396	50.471	ug/l	99
79) 2-Chlorotoluene	10.989	91	227910	50.915	ug/l	98
80) 1,3,5-Trimethylbenzene	11.089	105	272236	51.184	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	34899	41.034	ug/l	97
82) 4-Chlorotoluene	11.099	91	264978	50.475	ug/l	99
83) tert-Butylbenzene	11.423	119	263507	51.972	ug/l	98
84) 1,2,4-Trimethylbenzene	11.468	105	273765	51.789	ug/l	100
85) sec-Butylbenzene	11.645	105	341028	50.716	ug/l	99
86) p-Isopropyltoluene	11.796	119	283924	50.529	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	144969	48.612	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	147877	49.029	ug/l	99
89) n-Butylbenzene	12.211	91	259370	47.918	ug/l	99
90) Hexachloroethane	12.478	117	47996	47.349	ug/l	98
91) 1,2-Dichlorobenzene	12.214	146	146914	50.636	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	28674	50.384	ug/l	97
93) 1,2,4-Trichlorobenzene	13.841	180	93895	46.805	ug/l	97
94) Hexachlorobutadiene	14.025	225	38366	44.305	ug/l	99
95) Naphthalene	14.089	128	361147	47.930	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	100555	50.464	ug/l	99

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

