

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092721\
 Data File : VU044926.D
 Acq On : 28 Sep 2021 06:58
 Operator : SY/MD
 Sample : M3829-23MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW202D-20210918MSD

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 1:35:26 PM

Quant Time: Sep 28 08:23:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	149354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	273956	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	272534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	145371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	113663	43.605	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.220%	
35) Dibromofluoromethane	5.292	113	81330	43.275	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.540%	
50) Toluene-d8	7.899	98	307141	43.271	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.540%	
62) 4-Bromofluorobenzene	10.639	95	134060	50.851	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	87878	49.129	ug/l	97
3) Chloromethane	1.517	50	106977	39.408	ug/l	99
4) Vinyl Chloride	1.607	62	110328	43.547	ug/l	98
5) Bromomethane	1.832	94	40119	30.780	ug/l	98
6) Chloroethane	1.903	64	50418	29.503	ug/l	100
7) Trichlorofluoromethane	2.118	101	152296	48.948	ug/l	100
8) Diethyl Ether	2.379	74	68830	48.325	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.571	101	84098	46.284	ug/l	98
10) Methyl Iodide	2.716	142	95219	48.226	ug/l	97
11) Tert butyl alcohol	3.253	59	185519m	243.845	ug/l	
12) 1,1-Dichloroethene	2.571	96	85245	47.404	ug/l	96
13) Acrolein	2.488	56	48235	234.737	ug/l	97
14) Allyl chloride	2.919	41	150375	43.082	ug/l	96
15) Acrylonitrile	3.317	53	344245	216.611	ug/l	98
16) Acetone	2.633	43	308631	209.907	ug/l	100
17) Carbon Disulfide	2.787	76	240316	47.504	ug/l	99
18) Methyl Acetate	2.948	43	184623	37.585	ug/l	96
19) Methyl tert-butyl Ether	3.369	73	331164	49.316	ug/l	100
20) Methylene Chloride	3.044	84	103560	43.511	ug/l	95
21) trans-1,2-Dichloroethene	3.350	96	91862	47.710	ug/l	97
22) Diisopropyl ether	3.996	45	315370	45.730	ug/l	94
23) Vinyl Acetate	3.957	43	1140892	201.733	ug/l	98
24) 1,1-Dichloroethane	3.870	63	188332	47.049	ug/l	100
25) 2-Butanone	4.706	43	494176	221.512	ug/l	98
26) 2,2-Dichloropropane	4.665	77	109590	36.507	ug/l	97
27) cis-1,2-Dichloroethene	4.668	96	120015	51.251	ug/l	96
28) Bromochloromethane	4.976	49	71704	37.695	ug/l	94
29) Tetrahydrofuran	5.054	42	308052	219.485	ug/l	96
30) Chloroform	5.092	83	184275	45.784	ug/l	99
31) Cyclohexane	5.388	56	169517	45.297	ug/l	96
32) 1,1,1-Trichloroethane	5.317	97	152998	47.047	ug/l	100
36) 1,1-Dichloropropene	5.526	75	135980	46.781	ug/l	100
37) Ethyl Acetate	4.806	43	159559	37.411	ug/l	98
38) Carbon Tetrachloride	5.526	117	119495	45.984	ug/l	99
39) Methylcyclohexane	6.764	83	163201	49.642	ug/l	97
40) Benzene	5.774	78	403779	45.562	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.976	41	93174	43.766	ug/l	94
42) 1,2-Dichloroethane	5.796	62	160749	46.107	ug/l	100
43) Isopropyl Acetate	5.915	43	253506	42.485	ug/l	98
44) Trichloroethene	6.542	130	154500	72.539	ug/l	98
45) 1,2-Dichloropropane	6.793	63	105406	43.948	ug/l	97
46) Dibromomethane	6.922	93	73193	46.055	ug/l	99
47) Bromodichloromethane	7.108	83	142813	45.556	ug/l	99
48) Methyl methacrylate	6.964	41	134197	47.649	ug/l	95
49) 1,4-Dioxane	6.980	88	75232	1045.190	ug/l	95
51) 4-Methyl-2-Pentanone	7.803	43	1051677	247.300	ug/l	99
52) Toluene	7.973	92	253130	47.775	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	156420	47.893	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	163772	46.303	ug/l	99
55) 1,1,2-Trichloroethane	8.404	97	106323	46.936	ug/l	99
56) Ethyl methacrylate	8.340	69	194881	48.361	ug/l	98
57) 1,3-Dichloropropane	8.578	76	188873	46.824	ug/l	100
59) 2-Hexanone	8.693	43	855541	250.632	ug/l	98
60) Dibromochloromethane	8.816	129	104209	48.039	ug/l	100
61) 1,2-Dibromoethane	8.928	107	113671	47.790	ug/l	99
64) Tetrachloroethene	8.555	164	95016	51.435	ug/l	99
65) Chlorobenzene	9.452	112	264774	46.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	93946	46.554	ug/l	99
67) Ethyl Benzene	9.574	91	490619	48.584	ug/l	100
68) m/p-Xylenes	9.697	106	378415	97.976	ug/l	97
69) o-Xylene	10.105	106	191668	51.321	ug/l	99
70) Styrene	10.118	104	330181	47.356	ug/l	99
71) Bromoform	10.298	173	85034	50.927	ug/l #	100
73) Isopropylbenzene	10.488	105	498039	48.270	ug/l	100
74) N-amyl acetate	10.327	43	233254	44.354	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.790	83	221331	47.086	ug/l	99
76) 1,2,3-Trichloropropane	10.832	75	210886m	47.906	ug/l	
77) Bromobenzene	10.787	156	120598	48.924	ug/l	99
78) n-propylbenzene	10.909	91	607236	48.571	ug/l	100
79) 2-Chlorotoluene	10.989	91	377527	49.547	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	444119	50.816	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.552	75	65719	48.362	ug/l	99
82) 4-Chlorotoluene	11.102	91	436273	50.293	ug/l	100
83) tert-Butylbenzene	11.423	119	436418	51.763	ug/l	100
84) 1,2,4-Trimethylbenzene	11.471	105	443853	51.514	ug/l	100
85) sec-Butylbenzene	11.648	105	560207	51.384	ug/l	100
86) p-Isopropyltoluene	11.796	119	456454	51.465	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	229739	48.026	ug/l	100
88) 1,4-Dichlorobenzene	11.841	146	232117	46.921	ug/l	99
89) n-Butylbenzene	12.211	91	407129	44.703	ug/l	99
90) Hexachloroethane	12.481	117	82036	51.331	ug/l	97
91) 1,2-Dichlorobenzene	12.217	146	235029	46.363	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	13.002	75	52633	46.177	ug/l	98
93) 1,2,4-Trichlorobenzene	13.844	180	129905	46.375	ug/l	99
94) Hexachlorobutadiene	14.024	225	51659	41.455	ug/l	98
95) Naphthalene	14.089	128	511502	45.952	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	131402	46.132	ug/l	99

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

