

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
 Data File : VU045286.D
 Acq On : 12 Oct 2021 12:33
 Operator : SY/MD
 Sample : M3263-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2021-08

Manual Integrations
 APPROVED

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 10/15/2021 1:15:32 PM

Quant Time: Oct 13 02:51:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 13 02:48:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	255641	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	263862	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	128862	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	110019	39.313	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.620%
7) Chloroethane-d5	1.874	69	40884	18.436	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	36.880%#
11) 1,1-Dichloroethene-d2	2.552	63	150239	31.968	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.940%
21) 2-Butanone-d5	4.629	46	198141	89.558	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.560%
24) Chloroform-d	5.066	84	193933	43.877	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.760%
26) 1,2-Dichloroethane-d4	5.703	65	138451	46.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.480%
32) Benzene-d6	5.729	84	409285	44.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	6.693	67	134042	44.899	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.800%
41) Toluene-d8	7.902	98	354778	44.901	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.182	79	63064	47.488	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.980%
47) 2-Hexanone-d5	8.639	63	154890	93.621	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.620%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	236842	50.946	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.900%
66) 1,2-Dichlorobenzene-d4	12.198	152	144434	51.503	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	5394	2.204	ug/L	100
3) Chloromethane	1.520	50	7513	2.462	ug/L	99
5) Vinyl chloride	1.604	62	7226	2.417	ug/L #	19
6) Bromomethane	1.825	94	2479	1.729	ug/L	89
8) Chloroethane	1.893	64	6389	3.406	ug/L	90
9) Trichlorofluoromethane	2.112	101	7735	2.261	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	6124	2.836	ug/L #	84
12) 1,1-Dichloroethene	2.565	96	5639	2.848	ug/L #	1
13) Acetone	2.639	43	9481	3.707	ug/L	99
14) Carbon disulfide	2.780	76	13781	2.173	ug/L	99
15) Methyl Acetate	2.957	43	8570	2.717	ug/L	98
16) Methylene chloride	3.044	84	6912	2.756	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	5084	2.438	ug/L	95
18) Methyl tert-butyl Ether	3.369	73	17366	2.525	ug/L	98
19) 1,1-Dichloroethane	3.867	63	10210	2.353	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	5665	2.465	ug/L	92
22) 2-Butanone	4.716	43	10814	3.778	ug/L	99
23) Bromochloromethane	4.983	128	2594m	2.227	ug/L	
25) Chloroform	5.089	83	14162	3.284	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	9179	2.545	ug/L	98
29) Cyclohexane	5.388	56	8691	2.191	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	8273	2.265	ug/L	97
31) Carbon tetrachloride	5.523	117	6006	2.082	ug/L	97
33) Benzene	5.774	78	22497	2.299	ug/L	100
34) Trichloroethene	6.546	95	5322	2.264	ug/L	91
35) Methylcyclohexane	6.764	83	8301	2.109	ug/L	98
37) 1,2-Dichloropropane	6.796	63	6343	2.380	ug/L	100
38) Bromodichloromethane	7.108	83	7318	2.241	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	8396	2.202	ug/L	94
40) 4-Methyl-2-pentanone	7.800	43	20715	4.654	ug/L	98
42) Toluene	7.973	91	28970	2.913	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	8860	2.444	ug/L	88
45) 1,1,2-Trichloroethane	8.407	97	6200	2.568	ug/L	97
46) Tetrachloroethene	8.558	164	3931	2.340	ug/L	95
48) 2-Hexanone	8.693	43	21927	5.555	ug/L	98
49) Dibromochloromethane	8.816	129	5643	2.363	ug/L	97
50) 1,2-Dibromoethane	8.928	107	6055	2.395	ug/L	94
51) Chlorobenzene	9.452	112	15695	2.557	ug/L	98
52) Ethylbenzene	9.574	91	24912	2.372	ug/L	99
53) m,p-Xylene	9.697	106	9621	2.418	ug/L	94
54) o-xylene	10.105	106	9078	2.322	ug/L	91
55) Styrene	10.118	104	15143	2.252	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	12545	2.713	ug/L #	92
59) Bromoform	10.298	173	4130	2.584	ug/L #	97
60) 1,2,3-Trichloropropane	10.828	75	10139	2.845	ug/L	99
61) Isopropylbenzene	10.487	105	23603	2.503	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	19343	2.456	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	19381	2.403	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	11539	2.648	ug/L	95
65) 1,4-Dichlorobenzene	11.841	146	11721	2.621	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	12310	2.751	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.002	75	2230	2.177	ug/L	95
69) 1,3,5-Trichlorobenzene	13.227	180	7429	2.456	ug/L	98
70) 1,2,4-trichlorobenzene	13.847	180	5740	2.284	ug/L	97
71) Naphthalene	14.092	128	20175	2.316	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	6121	2.380	ug/L	97

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

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