

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040623\
 Data File : VU053588.D
 Acq On : 06 Apr 2023 12:27
 Operator : JC/MD
 Sample : 02215-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-03

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Apr 07 03:45:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	252049	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	236457	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	121062	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99123	50.506	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.020%			
7) Chloroethane-d5	1.909	69	81191	53.654	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.300%			
11) 1,1-Dichloroethene-d2	2.562	63	115359	37.971	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.940%			
21) 2-Butanone-d5	4.613	46	106889	120.291	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 120.290%			
24) Chloroform-d	5.057	84	155868	48.021	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.040%			
26) 1,2-Dichloroethane-d4	5.697	65	101467	52.904	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.800%			
32) Benzene-d6	5.723	84	326779	51.198	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.400%			
36) 1,2-Dichloropropane-d6	6.684	67	102490	52.535	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.080%			
41) Toluene-d8	7.893	98	307512	48.475	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.940%			
43) trans-1,3-Dichloroprop...	8.176	79	49603	49.257	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.520%			
47) 2-Hexanone-d5	8.626	63	79829	119.898	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 119.900%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	144653	52.608	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.220%			
66) 1,2-Dichlorobenzene-d4	12.188	152	120965	47.869	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	3730	1.823	ug/L	100
3) Chloromethane	1.520	50	3764	2.239	ug/L #	82
5) Vinyl chloride	1.604	62	4681	2.403	ug/L #	48
6) Bromomethane	1.851	94	2891	2.039	ug/L	92
8) Chloroethane	1.928	64	2836	2.420	ug/L #	82
9) Trichlorofluoromethane	2.137	101	6004	2.004	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	4518	2.603	ug/L #	74
12) 1,1-Dichloroethene	2.575	96	4105	2.654	ug/L #	1
13) Acetone	2.620	43	3272	4.097	ug/L	98
14) Carbon disulfide	2.790	76	8386	2.050	ug/L #	91
15) Methyl Acetate	2.948	43	2852	2.332	ug/L	93
17) trans-1,2-Dichloroethene	3.353	96	3041	1.956	ug/L	89
18) Methyl tert-butyl Ether	3.359	73	8812	1.945	ug/L #	94
19) 1,1-Dichloroethane	3.858	63	5005	1.944	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	3428	1.909	ug/L	96
22) 2-Butanone	4.706	43	4705m	4.863	ug/L	
23) Bromochloromethane	4.973	128	1538m	1.538	ug/L	
25) Chloroform	5.083	83	7597	2.573	ug/L	91
27) 1,2-Dichloroethane	5.793	62	4657	2.153	ug/L	100

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29) Cyclohexane	5.388	56	4375	1.922	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	4698	1.803	ug/L #	70
31) Carbon tetrachloride	5.520	117	3932	1.684	ug/L	98
33) Benzene	5.771	78	12660	2.055	ug/L	100
34) Trichloroethene	6.542	95	3735	2.004	ug/L	96
35) Methylcyclohexane	6.758	83	5561	2.030	ug/L	96
37) 1,2-Dichloropropane	6.790	63	3592	2.296	ug/L #	93
38) Bromodichloromethane	7.102	83	4055	1.943	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	4780	1.870	ug/L	93
40) 4-Methyl-2-pentanone	7.790	43	7538	4.434	ug/L	98
42) Toluene	7.967	91	13695	1.962	ug/L	95
44) trans-1,3-Dichloropropene	8.211	75	4729	1.957	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	3564	2.075	ug/L	94
46) Tetrachloroethene	8.549	164	2902	1.877	ug/L	92
48) 2-Hexanone	8.681	43	7426	5.400	ug/L #	88
49) Dibromochloromethane	8.806	129	2737	1.533	ug/L	95
50) 1,2-Dibromoethane	8.922	107	3436	1.788	ug/L #	95
51) Chlorobenzene	9.443	112	9634	2.003	ug/L	96
52) Ethylbenzene	9.568	91	14912	1.919	ug/L	97
53) m,p-Xylene	9.693	106	6078	2.000	ug/L	93
54) o-xylene	10.095	106	5192	1.728	ug/L	85
55) Styrene	10.115	104	8794	1.797	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	5703	2.262	ug/L	99
59) Bromoform	10.288	173	1831	1.478	ug/L #	94
60) 1,2,3-Trichloropropane	10.819	75	4435	2.527	ug/L	95
61) Isopropylbenzene	10.481	105	13109	1.831	ug/L	93
62) 1,3,5-Trimethylbenzene	11.086	105	10425	1.752	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	10628	1.803	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	7299	1.952	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	8838	2.319	ug/L	93
67) 1,2-Dichlorobenzene	12.208	146	7381	1.980	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.996	75	980m	2.094	ug/L	
69) 1,3,5-Trichlorobenzene	13.217	180	4869	1.758	ug/L #	93
70) 1,2,4-trichlorobenzene	13.838	180	5133	1.999	ug/L #	87
71) Naphthalene	14.086	128	15352	1.997	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.327	180	4778	1.863	ug/L #	91

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

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