Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
Data File : VU056923.D
Acq On : 16 Dec 2023 13:37
Operator : MD/SY
Sample : 04696-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 23:46:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 15 01:53:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	213347	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	222109	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	97536	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	70535	3.857	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 77.200%			
7) Chloroethane-d5	1.907	69	58389	4.267	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 85.400%			
11) 1,1-Dichloroethene-d2	2.560	65	33409	4.270	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 85.400%			
20) 2-Butanone-d5	4.621	46	190123	52.644	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 105.280%			
24) Chloroform-d	5.055	84	162010	4.678	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.600%			
26) 1,2-Dichloroethane-d4	5.698	65	79961	4.880	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 97.600%			
32) Benzene-d6	5.721	84	299570	4.348	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 87.000%			
36) 1,2-Dichloropropane-d6	6.682	67	97521	4.523	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 90.400%			
41) Toluene-d8	7.894	98	243756	3.959	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 79.200%			
43) trans-1,3-Dichloroprop...	8.177	79	34774	4.158	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 83.200%			
46) 2-Hexanone-d5	8.631	63	142595	45.213	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 90.420%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	77098	4.942	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 98.800%			
66) 1,2-Dichlorobenzene-d4	12.190	152	89673	4.677	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	5599	0.250	ug/L	95
3) Chloromethane	1.515	50	10146	0.462	ug/L	92
5) Vinyl chloride	1.599	62	5929	0.272	ug/L #	63
6) Bromomethane	1.853	94	3120	0.242	ug/L	91
8) Chloroethane	1.927	64	3980	0.311	ug/L	94
9) Trichlorofluoromethane	2.132	101	8119	0.264	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	5854	0.310	ug/L	94
12) 1,1-Dichloroethene	2.576	96	5328	0.308	ug/L #	1
14) Carbon disulfide	2.788	76	13738	0.229	ug/L	96
15) Methyl Acetate	2.962	43	1489m	0.249	ug/L	
16) Methylene chloride	3.039	84	6001	0.318	ug/L	94
17) Methyl tert-butyl Ether	3.357	73	9744	0.254	ug/L #	95
18) trans-1,2-Dichloroethene	3.348	96	4390	0.250	ug/L	81
19) 1,1-Dichloroethane	3.869	63	9481	0.281	ug/L #	95
21) 2-Butanone	4.724	43	12431	3.349	ug/L	84
22) cis-1,2-Dichloroethene	4.666	96	4483	0.235	ug/L	84
23) Bromochloromethane	4.972	128	2158	0.270	ug/L	84
27) 1,2-Dichloroethane	5.801	62	5609	0.268	ug/L #	88
29) 1,1,1-Trichloroethane	5.309	97	7784	0.242	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Cyclohexane	5.383	56	6736	0.224	ug/L		93
31) Carbon tetrachloride	5.515	117	6788	0.243	ug/L		94
33) Benzene	5.772	78	19419	0.249	ug/L		100
37) 1,2-Dichloropropane	6.791	63	5095	0.255	ug/L	#	94
38) Bromodichloromethane	7.100	83	6692	0.263	ug/L		95
39) cis-1,3-Dichloropropene	7.608	75	6836	0.235	ug/L		98
40) 4-Methyl-2-pentanone	7.791	43	24269	2.560	ug/L	#	88
42) Toluene	7.968	91	22434	0.278	ug/L		96
44) trans-1,3-Dichloropropene	8.209	75	5566m	0.233	ug/L		
45) 1,1,2-Trichloroethane	8.399	97	3624	0.268	ug/L		93
47) Tetrachloroethene	8.553	164	3536	0.236	ug/L		89
48) 2-Hexanone	8.682	43	23140	3.427	ug/L		98
49) Dibromochloromethane	8.804	129	3788	0.244	ug/L		85
50) 1,2-Dibromoethane	8.926	107	3276	0.261	ug/L	#	84
51) Chlorobenzene	9.444	112	12833	0.249	ug/L		94
52) Ethylbenzene	9.569	91	21017	0.236	ug/L		94
53) m,p-Xylene	9.695	106	8206	0.247	ug/L		84
54) o-Xylene	10.097	106	7169	0.227	ug/L		77
55) Styrene	10.116	104	9504	0.183	ug/L		99
57) 1,1,2,2-Tetrachloroethane	10.775	83	3933	0.241	ug/L	#	94
59) Bromoform	10.286	173	2473	0.311	ug/L	#	88
60) Isopropylbenzene	10.479	105	16833	0.218	ug/L		97
61) 1,2,3-Trichloropropane	10.817	75	2963	0.283	ug/L		98
62) 1,3,5-Trimethylbenzene	11.084	105	13611	0.216	ug/L		93
63) 1,2,4-Trimethylbenzene	11.466	105	12381	0.198	ug/L		99
64) 1,3-Dichlorobenzene	11.746	146	8821	0.242	ug/L		99
65) 1,4-Dichlorobenzene	11.833	146	9570	0.267	ug/L		95
67) 1,2-Dichlorobenzene	12.209	146	10006	0.301	ug/L		95
68) 1,2-Dibromo-3-chloropr...	12.991	75	448m	0.214	ug/L		
69) 1,3,5-Trichlorobenzene	13.219	180	5795	0.210	ug/L		96

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

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