Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080924\
Data File : VU060369.D
Acq On : 09 Aug 2024 12:01
Operator : MD/SY
Sample : P3391-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-05

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
Supervised By :Semsettin Yesilyurt 08/12/2024

Quant Time: Aug 10 05:08:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR080824WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 10 04:43:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	102444	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	109566	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	46922	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	35241	4.383	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 87.600%			
7) Chloroethane-d5	1.907	69	35120	4.843	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 96.800%			
11) 1,1-Dichloroethene-d2	2.560	65	14877	4.347	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 87.000%			
20) 2-Butanone-d5	4.640	46	88131	51.642	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 103.280%			
24) Chloroform-d	5.055	84	76288	4.791	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.800%			
26) 1,2-Dichloroethane-d4	5.698	65	37186	5.036	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 100.800%			
32) Benzene-d6	5.721	84	144918	4.386	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 87.800%			
36) 1,2-Dichloropropane-d6	6.682	67	50546	4.932	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 98.600%			
41) Toluene-d8	7.894	98	119466	4.050	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.000%			
43) trans-1,3-Dichloroprop...	8.177	79	14891	4.494	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 89.800%			
46) 2-Hexanone-d5	8.631	63	69343	47.157	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 94.320%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	40874	4.860	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 97.200%			
66) 1,2-Dichlorobenzene-d4	12.187	152	44195	5.113	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	1516	0.274	ug/L #	88
3) Chloromethane	1.518	50	2088	0.304	ug/L	99
5) Vinyl chloride	1.602	62	2181	0.271	ug/L	98
6) Bromomethane	1.853	94	1455	0.255	ug/L	93
8) Chloroethane	1.930	64	1850	0.339	ug/L	91
9) Trichlorofluoromethane	2.132	101	2705	0.240	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	2277	0.306	ug/L #	84
12) 1,1-Dichloroethene	2.573	96	2165	0.321	ug/L #	1
14) Carbon disulfide	2.788	76	4555	0.267	ug/L	100
16) Methylene chloride	3.046	84	3027	0.315	ug/L	93
17) Methyl tert-butyl Ether	3.364	73	3530	0.222	ug/L #	92
18) trans-1,2-Dichloroethene	3.354	96	1535	0.232	ug/L	84
19) 1,1-Dichloroethane	3.869	63	3375	0.247	ug/L	92
21) 2-Butanone	4.750	43	4436m	2.554	ug/L	
22) cis-1,2-Dichloroethene	4.657	96	1998	0.250	ug/L	92
23) Bromochloromethane	4.984	128	829	0.225	ug/L #	80
25) Chloroform	5.081	83	4474	0.301	ug/L	98
27) 1,2-Dichloroethane	5.804	62	2224	0.281	ug/L #	70
30) Cyclohexane	5.380	56	2128	0.219	ug/L #	84

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31) Carbon tetrachloride	5.521	117	2540	0.242	ug/L		95
33) Benzene	5.772	78	7865	0.249	ug/L		100
35) Methylcyclohexane	6.756	83	2532	0.235	ug/L	#	85
37) 1,2-Dichloropropane	6.785	63	2158	0.251	ug/L	#	88
38) Bromodichloromethane	7.103	83	2620	0.247	ug/L	#	82
39) cis-1,3-Dichloropropene	7.608	75	2577	0.221	ug/L		99
40) 4-Methyl-2-pentanone	7.791	43	9378m	2.340	ug/L		
42) Toluene	7.968	91	7810	0.234	ug/L		94
44) trans-1,3-Dichloropropene	8.209	75	1964m	0.204	ug/L		
45) 1,1,2-Trichloroethane	8.396	97	1645	0.250	ug/L		95
49) Dibromochloromethane	8.804	129	1656	0.237	ug/L		95
50) 1,2-Dibromoethane	8.923	107	1311	0.224	ug/L	#	98
51) Chlorobenzene	9.444	112	5030	0.224	ug/L		89
52) Ethylbenzene	9.569	91	7783	0.222	ug/L		94
53) m,p-Xylene	9.692	106	2676	0.200	ug/L		100
54) o-Xylene	10.097	106	2563	0.201	ug/L		85
55) Styrene	10.119	104	3842	0.174	ug/L		92
57) 1,1,2,2-Tetrachloroethane	10.772	83	1981	0.242	ug/L	#	93
59) Bromoform	10.283	173	1059	0.297	ug/L	#	89
60) Isopropylbenzene	10.483	105	6284	0.222	ug/L		97
61) 1,2,3-Trichloropropane	10.817	75	1370	0.302	ug/L	#	85
62) 1,3,5-Trimethylbenzene	11.087	105	4793	0.220	ug/L		97
63) 1,2,4-Trimethylbenzene	11.467	105	4742	0.221	ug/L		94
64) 1,3-Dichlorobenzene	11.746	146	3751	0.260	ug/L		93
65) 1,4-Dichlorobenzene	11.833	146	4050	0.278	ug/L		90
67) 1,2-Dichlorobenzene	12.206	146	3980	0.292	ug/L		90
68) 1,2-Dibromo-3-chloropr...	13.003	75	100	0.117	ug/L	#	39
69) 1,3,5-Trichlorobenzene	13.219	180	2686	0.246	ug/L	#	94
70) 1,2,4-trichlorobenzene	13.846	180	2068	0.241	ug/L		94
71) Naphthalene	14.106	128	2971m	0.244	ug/L		
72) 1,2,3-Trichlorobenzene	14.328	180	1981	0.258	ug/L		90

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

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