Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022924\
Data File : VU057972.D
Acq On : 29 Feb 2024 13:49
Operator : MD/SY
Sample : P1601-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 01 05:38:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 01 05:18:22 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/01/2024
Supervised By :Semsettin Yesilyurt 03/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	151109	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	143991	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	67880	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	55811	5.133	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 102.600%			
7) Chloroethane-d5	1.907	69	46382	5.190	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 103.800%			
11) 1,1-Dichloroethene-d2	2.560	65	24863	5.285	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 105.600%			
20) 2-Butanone-d5	4.612	46	102253	57.081	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 114.160%			
24) Chloroform-d	5.052	84	106041	5.157	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.200%			
26) 1,2-Dichloroethane-d4	5.695	65	52343	5.618	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 112.400%			
32) Benzene-d6	5.721	84	216735	5.165	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.400%			
36) 1,2-Dichloropropane-d6	6.682	67	67758	5.312	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 106.200%			
41) Toluene-d8	7.891	98	193159	5.080	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.600%			
43) trans-1,3-Dichloroprop...	8.177	79	21908	4.994	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 99.800%			
46) 2-Hexanone-d5	8.627	63	83182	56.478	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 112.960%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	41539	5.310	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 106.200%			
66) 1,2-Dichlorobenzene-d4	12.190	152	60090	5.375	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 107.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	1982	0.216	ug/L	99
3) Chloromethane	1.515	50	2493	0.233	ug/L	96
5) Vinyl chloride	1.599	62	2895	0.251	ug/L #	63
6) Bromomethane	1.850	94	1463	0.241	ug/L	98
8) Chloroethane	1.927	64	1734	0.239	ug/L	97
9) Trichlorofluoromethane	2.133	101	3946	0.241	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	2913	0.284	ug/L #	80
12) 1,1-Dichloroethene	2.576	96	2493	0.273	ug/L #	1
14) Carbon disulfide	2.785	76	7181	0.255	ug/L	97
16) Methylene chloride	3.036	84	5509	0.497	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	5067	0.235	ug/L #	88
18) trans-1,2-Dichloroethene	3.348	96	2071	0.209	ug/L	83
19) 1,1-Dichloroethane	3.869	63	4692	0.237	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	2681	0.245	ug/L	96
23) Bromochloromethane	4.965	128	782m	0.193	ug/L	
25) Chloroform	5.078	83	4292	0.212	ug/L	83
27) 1,2-Dichloroethane	5.792	62	2760	0.246	ug/L #	76
30) Cyclohexane	5.377	56	3642	0.210	ug/L	98
31) Carbon tetrachloride	5.518	117	3141	0.211	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) Benzene	5.769	78	10026	0.227	ug/L		100
35) Methylcyclohexane	6.759	83	3968	0.223	ug/L		95
37) 1,2-Dichloropropane	6.779	63	2682	0.235	ug/L	#	89
38) Bromodichloromethane	7.097	83	3070	0.222	ug/L	#	95
39) cis-1,3-Dichloropropene	7.605	75	3914	0.249	ug/L		96
40) 4-Methyl-2-pentanone	7.788	43	12609	2.406	ug/L	#	85
42) Toluene	7.968	91	10451	0.227	ug/L		95
44) trans-1,3-Dichloropropene	8.206	75	2923	0.234	ug/L		83
45) 1,1,2-Trichloroethane	8.396	97	1567	0.232	ug/L		85
48) 2-Hexanone	8.682	43	15214	3.958	ug/L	#	97
49) Dibromochloromethane	8.804	129	1584	0.198	ug/L		77
50) 1,2-Dibromoethane	8.920	107	1405	0.234	ug/L	#	96
51) Chlorobenzene	9.447	112	6946	0.241	ug/L		100
52) Ethylbenzene	9.566	91	11700	0.227	ug/L		93
53) m,p-Xylene	9.692	106	4296	0.234	ug/L		85
54) o-Xylene	10.100	106	4008	0.219	ug/L		92
55) Styrene	10.116	104	6238	0.217	ug/L		88
57) 1,1,2,2-Tetrachloroethane	10.775	83	1942	0.244	ug/L	#	97
59) Bromoform	10.283	173	814	0.215	ug/L	#	86
60) Isopropylbenzene	10.483	105	10109	0.224	ug/L		97
61) 1,2,3-Trichloropropane	10.820	75	1366	0.246	ug/L		98
62) 1,3,5-Trimethylbenzene	11.084	105	8145	0.214	ug/L		93
63) 1,2,4-Trimethylbenzene	11.467	105	8032	0.213	ug/L		93
64) 1,3-Dichlorobenzene	11.746	146	5216	0.254	ug/L		94
65) 1,4-Dichlorobenzene	11.833	146	5989	0.298	ug/L		96
67) 1,2-Dichlorobenzene	12.206	146	4889	0.273	ug/L		96
68) 1,2-Dibromo-3-chloropr...	12.997	75	205	0.186	ug/L	#	37
69) 1,3,5-Trichlorobenzene	13.222	180	4080	0.276	ug/L	#	91
70) 1,2,4-trichlorobenzene	13.843	180	3666	0.330	ug/L		97
71) Naphthalene	14.097	128	5658	0.373	ug/L	#	92
72) 1,2,3-Trichlorobenzene	14.331	180	2959	0.337	ug/L		98

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

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