Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091719\
Data File : VR026646.D
Acq On : 17 Sep 2019 18:46
Operator : SY/MD
Sample : MDL06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : MDL06

Manual Integrations APPROVED
MMDadoda
9/20/2019 12:41:58 AM

Quant Time: Sep 18 07:39:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	300266	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	244791	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	109308	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.19	65	48009	5.82	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 116.40%			
7) Chloroethane-d5	2.63	69	45359	6.22	ug/L	-0.01
Spiked Amount 5.000	Range 65 - 130		Recovery = 124.40%			
11) 1,1-Dichloroethene-d2	3.64	63	88743	3.89	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 77.80%			
20) 2-Butanone-d5	6.62	46	85350	47.70	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 95.40%			
24) Chloroform-d	7.22	84	164827	5.03	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.60%			
26) 1,2-Dichloroethane-d4	7.92	65	58705	5.65	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 113.00%			
32) Benzene-d6	7.88	84	310643	5.04	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 100.80%			
36) 1,2-Dichloropropane-d6	8.92	67	83712	5.18	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 103.60%			
41) Toluene-d8	9.99	98	214404	4.64	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.80%			
43) trans-1,3-Dichloropropene-	10.25	79	16190	4.39	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 87.80%			
46) 2-Hexanone-d5	10.61	63	56057	50.53	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 101.06%			
57) 1,1,2,2-Tetrachloroethane-	12.38	84	44847	5.22	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 104.40%			
64) 1,2-Dichlorobenzene-d4	13.53	152	65264	4.70	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 94.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	10621	0.313	ug/L	95
3) Chloromethane	2.06	50	5101m	0.288	ug/L	
5) Vinyl chloride	2.19	62	4600	0.259	ug/L #	61
6) Bromomethane	2.55	94	3513m	0.315	ug/L	
8) Chloroethane	2.68	64	2407m	0.235	ug/L	
9) Trichlorofluoromethane	2.96	101	10074m	0.328	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	4164m	0.309	ug/L	
12) 1,1-Dichloroethene	3.66	96	4653	0.351	ug/L #	1
13) Acetone	3.73	43	4638	3.447	ug/L	83
14) Carbon disulfide	3.98	76	9979	0.176	ug/L #	76
15) Methyl Acetate	4.25	43	1417m	0.251	ug/L	
16) Methylene chloride	4.43	84	10282m	0.373	ug/L	
17) Methyl tert-butyl Ether	4.92	73	6642	0.232	ug/L #	90
18) trans-1,2-Dichloroethene	4.91	96	8453	0.305	ug/L	75
19) 1,1-Dichloroethane	5.72	63	12583	0.242	ug/L	98
21) 2-Butanone	6.72	43	6640	2.701	ug/L	82
22) cis-1,2-Dichloroethene	6.70	96	7029m	0.265	ug/L	

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	7.08	128	2682	0.364 ug/L	#	52
25) Chloroform	7.26	83	19715	0.396 ug/L		97
27) 1,2-Dichloroethane	8.02	62	5300	0.303 ug/L		99
29) 1,1,1-Trichloroethane	7.45	97	9462	0.240 ug/L		96
30) Cyclohexane	7.54	56	6356	0.151 ug/L	#	84
31) Carbon tetrachloride	7.67	117	8974	0.269 ug/L		98
33) Benzene	7.92	78	25380m	0.234 ug/L		
34) Trichloroethene	8.72	95	6945m	0.257 ug/L		
35) Methylcyclohexane	8.97	83	7662	0.188 ug/L		87
37) 1,2-Dichloropropane	9.02	63	5357	0.244 ug/L		99
38) Bromodichloromethane	9.30	83	6729	0.288 ug/L		83
39) cis-1,3-Dichloropropene	9.74	75	5175m	0.223 ug/L		
40) 4-Methyl-2-pentanone	9.88	43	9891	1.802 ug/L	#	86
42) Toluene	10.05	91	24992	0.264 ug/L		94
44) trans-1,3-Dichloropropene	10.28	75	4488m	0.301 ug/L		
45) 1,1,2-Trichloroethane	10.47	97	2629	0.281 ug/L	#	68
47) Tetrachloroethene	10.53	164	4819	0.302 ug/L		79
48) 2-Hexanone	10.65	43	9363	2.683 ug/L	#	92
49) Dibromochloromethane	10.80	129	3103m	0.305 ug/L		
50) 1,2-Dibromoethane	10.91	107	1967	0.243 ug/L	#	91
51) Chlorobenzene	11.33	112	14767	0.268 ug/L		88
52) Ethylbenzene	11.41	91	20560	0.191 ug/L		98
53) m,p-Xylene	11.52	106	6170	0.160 ug/L		83
54) o-Xylene	11.84	106	6456	0.170 ug/L		84
55) Styrene	11.86	104	9215	0.169 ug/L	#	76
56) Isopropylbenzene	12.15	105	17662	0.165 ug/L	#	94
58) 1,1,2,2-Tetrachloroethane	12.40	83	3180	0.294 ug/L	#	75
59) 1,2,3-Trichloropropane	12.45	75	2455m	0.309 ug/L		
61) Bromoform	12.03	173	1516	0.355 ug/L	#	86
62) 1,3-Dichlorobenzene	13.18	146	8576	0.221 ug/L		88
63) 1,4-Dichlorobenzene	13.26	146	10326	0.267 ug/L		93
65) 1,2-Dichlorobenzene	13.55	146	10139	0.308 ug/L	#	92
66) 1,2-Dibromo-3-chloropropan	14.17	75	368	0.224 ug/L		88
67) 1,3,5-Trichlorobenzene	14.31	180	8323	0.264 ug/L		90
68) 1,2,4-trichlorobenzene	14.80	180	5224	0.235 ug/L		93
69) Naphthalene	15.02	128	4425	0.150 ug/L	#	79
70) 1,2,3-Trichlorobenzene	15.20	180	4772m	0.243 ug/L		

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

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