Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091319\
Data File : VR026636.D
Acq On : 13 Sep 2019 17:20
Operator : SY/MD
Sample : MDL02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : MDL02

Manual Integrations APPROVED
MMDadoda
9/16/2019 12:45:01 AM

Quant Time: Sep 14 07:08:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 14 06:49:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	318944	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	258208	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	115587	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.19	65	38458	4.39	ug/L	0.01
Spiked Amount 5.000	Range 40 - 130		Recovery = 87.80%			
7) Chloroethane-d5	2.63	69	37409	4.83	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 96.60%			
11) 1,1-Dichloroethene-d2	3.63	63	79503	3.28	ug/L	-0.02
Spiked Amount 5.000	Range 60 - 125		Recovery = 65.60%			
20) 2-Butanone-d5	6.62	46	91507	48.14	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 96.28%			
24) Chloroform-d	7.22	84	171699	4.93	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.60%			
26) 1,2-Dichloroethane-d4	7.91	65	57241	5.18	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.60%			
32) Benzene-d6	7.87	84	301965	4.64	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.80%			
36) 1,2-Dichloropropane-d6	8.92	67	83341	4.89	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.80%			
41) Toluene-d8	9.99	98	224469	4.60	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 92.00%			
43) trans-1,3-Dichloropropene-	10.25	79	16329	4.20	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 84.00%			
46) 2-Hexanone-d5	10.61	63	57513	49.15	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 98.30%			
57) 1,1,2,2-Tetrachloroethane-	12.37	84	45205	4.99	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.80%			
64) 1,2-Dichlorobenzene-d4	13.53	152	76698	5.23	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 104.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	11445	0.317	ug/L	99
3) Chloromethane	2.06	50	6566	0.349	ug/L #	81
5) Vinyl chloride	2.20	62	5353	0.284	ug/L #	64
6) Bromomethane	2.54	94	4552	0.384	ug/L #	61
8) Chloroethane	2.65	64	4327m	0.398	ug/L	
9) Trichlorofluoromethane	2.96	101	10583m	0.324	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	5529m	0.387	ug/L	
12) 1,1-Dichloroethene	3.63	96	5883m	0.418	ug/L	
13) Acetone	3.74	43	5677	3.972	ug/L	85
14) Carbon disulfide	3.98	76	15469	0.257	ug/L #	86
15) Methyl Acetate	4.22	43	1906	0.318	ug/L #	64
16) Methylene chloride	4.42	84	13694	0.468	ug/L	80
17) Methyl tert-butyl Ether	4.93	73	7239m	0.238	ug/L	
18) trans-1,2-Dichloroethene	4.92	96	9610	0.327	ug/L #	66
19) 1,1-Dichloroethane	5.72	63	17540	0.318	ug/L	98
21) 2-Butanone	6.73	43	8421m	3.225	ug/L	
22) cis-1,2-Dichloroethene	6.69	96	8313	0.295	ug/L	84

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	7.08	128	2595	0.331 ug/L #	61
25) Chloroform	7.25	83	22068	0.418 ug/L	86
27) 1,2-Dichloroethane	8.02	62	7466	0.402 ug/L #	91
29) 1,1,1-Trichloroethane	7.45	97	12100	0.291 ug/L	96
30) Cyclohexane	7.54	56	8316	0.188 ug/L #	84
31) Carbon tetrachloride	7.65	117	10736	0.305 ug/L	98
33) Benzene	7.93	78	35566m	0.311 ug/L	
34) Trichloroethene	8.73	95	8515	0.299 ug/L	88
35) Methylcyclohexane	8.98	83	10247	0.239 ug/L	93
37) 1,2-Dichloropropane	9.02	63	8396	0.363 ug/L #	96
38) Bromodichloromethane	9.30	83	7744	0.315 ug/L #	95
39) cis-1,3-Dichloropropene	9.74	75	7902	0.322 ug/L #	79
40) 4-Methyl-2-pentanone	9.88	43	12258	2.117 ug/L #	86
42) Toluene	10.05	91	29097	0.291 ug/L	94
44) trans-1,3-Dichloropropene	10.28	75	3904m	0.248 ug/L	
45) 1,1,2-Trichloroethane	10.46	97	3001	0.305 ug/L #	82
47) Tetrachloroethene	10.53	164	5578	0.331 ug/L	91
48) 2-Hexanone	10.65	43	11381	3.092 ug/L #	96
49) Dibromochloromethane	10.79	129	3209	0.299 ug/L	99
50) 1,2-Dibromoethane	10.90	107	2898	0.339 ug/L #	75
51) Chlorobenzene	11.33	112	18630	0.321 ug/L #	85
52) Ethylbenzene	11.41	91	28389	0.250 ug/L	94
53) m,p-Xylene	11.52	106	10472	0.258 ug/L	86
54) o-Xylene	11.84	106	7500	0.187 ug/L	97
55) Styrene	11.86	104	12514	0.218 ug/L	100
56) Isopropylbenzene	12.14	105	22804	0.202 ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.40	83	4000	0.350 ug/L #	85
59) 1,2,3-Trichloropropane	12.45	75	2854	0.341 ug/L	93
61) Bromoform	12.02	173	2046	0.453 ug/L	88
62) 1,3-Dichlorobenzene	13.18	146	11606	0.282 ug/L	88
63) 1,4-Dichlorobenzene	13.26	146	13052	0.320 ug/L	91
65) 1,2-Dichlorobenzene	13.55	146	12011	0.345 ug/L	89
66) 1,2-Dibromo-3-chloropropan	14.16	75	448m	0.258 ug/L	
67) 1,3,5-Trichlorobenzene	14.31	180	9685	0.291 ug/L	93
68) 1,2,4-trichlorobenzene	14.80	180	6075	0.259 ug/L #	93
69) Naphthalene	15.02	128	5705	0.183 ug/L #	91
70) 1,2,3-Trichlorobenzene	15.20	180	6206	0.298 ug/L	91

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

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