Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101918\
Data File : VR026144.D
Acq On : 19 Oct 2018 11:51
Operator : SY/MD
Sample : MDL 0.25 PPB
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

Manual Integrations APPROVED
MMDadoda
10/24/2018 11:51:49 AM

Quant Time: Oct 20 04:40:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	634154	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	532955	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	170347	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.15	65	180875	3.26	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 65.20%			
7) Chloroethane-d5	2.63	69	185716	3.89	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 77.80%			
11) 1,1-Dichloroethene-d2	3.61	63	349190	2.56	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 51.20%#			
20) 2-Butanone-d5	6.58	46	198844	43.64	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 87.28%			
24) Chloroform-d	7.20	84	325863	3.69	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 73.80%			
26) 1,2-Dichloroethane-d4	7.90	65	141024	3.84	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 76.80%			
32) Benzene-d6	7.85	84	625640	3.65	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 73.00%			
36) 1,2-Dichloropropane-d6	8.90	67	172237	3.89	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 77.80%			
41) Toluene-d8	9.97	98	553969	3.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 68.60%#			
43) trans-1,3-Dichloropropene-	10.23	79	36109	3.11	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 62.20%			
46) 2-Hexanone-d5	10.59	63	151142	45.13	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 90.26%			
57) 1,1,2,2-Tetrachloroethane-	12.36	84	69728	4.02	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 80.40%			
64) 1,2-Dichlorobenzene-d4	13.52	152	105257	3.91	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 78.20%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	10549m	0.248	ug/L	
3) Chloromethane	2.01	50	17432	0.258	ug/L	97
5) Vinyl chloride	2.15	62	19127	0.284	ug/L	99
6) Bromomethane	2.52	94	11312	0.254	ug/L	86
8) Chloroethane	2.66	64	11365	0.272	ug/L	96
9) Trichlorofluoromethane	2.94	101	25095m	0.258	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	19440	0.335	ug/L #	75
12) 1,1-Dichloroethene	3.62	96	19607	0.318	ug/L #	1
13) Acetone	3.70	43	14408	3.059	ug/L	88
14) Carbon disulfide	3.94	76	32179	0.200	ug/L #	94
15) Methyl Acetate	4.19	43	3077	0.250	ug/L #	86
16) Methylene chloride	4.41	84	17064	0.305	ug/L	90
17) Methyl tert-butyl Ether	4.89	73	11395m	0.204	ug/L	
18) trans-1,2-Dichloroethene	4.89	96	10482	0.225	ug/L #	81
19) 1,1-Dichloroethane	5.69	63	22693	0.259	ug/L	90
21) 2-Butanone	6.68	43	13426	2.471	ug/L	91
22) cis-1,2-Dichloroethene	6.67	96	11712	0.265	ug/L #	92

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	7.06	128	3048	0.246 ug/L	#	85
25) Chloroform	7.23	83	22734	0.266 ug/L		97
27) 1,2-Dichloroethane	7.99	62	10607	0.254 ug/L		96
29) 1,1,1-Trichloroethane	7.42	97	17417	0.239 ug/L		93
30) Cyclohexane	7.52	56	12846	0.176 ug/L		94
31) Carbon tetrachloride	7.63	117	16112	0.243 ug/L		99
33) Benzene	7.91	78	55010	0.275 ug/L		100
34) Trichloroethene	8.71	95	11710	0.229 ug/L	#	78
35) Methylcyclohexane	8.96	83	16425	0.216 ug/L		95
37) 1,2-Dichloropropane	8.99	63	11131	0.264 ug/L		100
38) Bromodichloromethane	9.28	83	9988	0.220 ug/L		82
39) cis-1,3-Dichloropropene	9.72	75	9527	0.197 ug/L		86
40) 4-Methyl-2-pentanone	9.87	43	26380	2.047 ug/L	#	86
42) Toluene	10.03	91	49380	0.234 ug/L		96
44) trans-1,3-Dichloropropene	10.26	75	8865	0.263 ug/L		98
45) 1,1,2-Trichloroethane	10.45	97	5158	0.290 ug/L	#	70
47) Tetrachloroethene	10.51	164	7428	0.203 ug/L		90
48) 2-Hexanone	10.63	43	20928	2.487 ug/L		98
49) Dibromochloromethane	10.79	129	3909	0.195 ug/L		97
50) 1,2-Dibromoethane	10.89	107	3982	0.259 ug/L	#	76
51) Chlorobenzene	11.32	112	26623	0.228 ug/L		94
52) Ethylbenzene	11.39	91	52097	0.215 ug/L		97
53) m,p-Xylene	11.50	106	17094	0.193 ug/L		97
54) o-Xylene	11.83	106	12780	0.158 ug/L		99
55) Styrene	11.84	104	19357	0.155 ug/L		93
56) Isopropylbenzene	12.13	105	38315	0.170 ug/L		99
58) 1,1,2,2-Tetrachloroethane	12.38	83	4365	0.241 ug/L	#	87
59) 1,2,3-Trichloropropane	12.44	75	3663	0.276 ug/L		95
61) Bromoform	12.01	173	1658	0.280 ug/L		94
62) 1,3-Dichlorobenzene	13.16	146	12108	0.214 ug/L		89
63) 1,4-Dichlorobenzene	13.24	146	14637	0.250 ug/L		96
65) 1,2-Dichlorobenzene	13.53	146	12763	0.281 ug/L	#	80
66) 1,2-Dibromo-3-chloropropan	14.14	75	707m	0.382 ug/L		
67) 1,3,5-Trichlorobenzene	14.29	180	8855	0.257 ug/L		88
68) 1,2,4-trichlorobenzene	14.78	180	4656	0.231 ug/L		92
69) Naphthalene	15.01	128	3213	0.164 ug/L	#	77
70) 1,2,3-Trichlorobenzene	15.18	180	3218	0.230 ug/L		95

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

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