Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081321\
Data File : BN015870.D
Acq On : 13 Aug 2021 09:57
Operator : CG/JU
Sample : M1458-03
Misc : MDL-MDL-SOIL 0.1ng
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations APPROVED
mohammad
8/16/2021 12:22:23 PM

Quant Time: Aug 13 10:59:06 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 13 10:59:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.928	152	7541	0.400	ng		0.00
7) Naphthalene-d8	10.723	136	36165	0.400	ng		0.00
13) Acenaphthene-d10	14.560	164	20169	0.400	ng		0.01
19) Phenanthrene-d10	17.297	188	41061	0.400	ng		0.00
29) Chrysene-d12	21.493	240	44816	0.400	ng		0.00
35) Perylene-d12	23.919	264	40819	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.494	112	6258	0.336	ng		0.00
5) Phenol-d6	7.080	99	8202	0.324	ng		0.00
8) Nitrobenzene-d5	9.076	82	9284	0.307	ng		0.00
11) 2-Methylnaphthalene-d10	12.314	152	23736	0.407	ng		0.00
14) 2,4,6-Tribromophenol	16.044	330	2426	0.273	ng		0.00
15) 2-Fluorobiphenyl	13.177	172	27045	0.340	ng		0.00
27) Fluoranthene-d10	19.336	212	51603	0.408	ng		0.00
31) Terphenyl-d14	19.931	244	43168	0.339	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.410	88	348	0.117	ng		95
3) n-Nitrosodimethylamine	3.806	42	640	0.083	ng	#	95
6) bis(2-Chloroethyl)ether	7.347	93	2205	0.110	ng		98
9) Naphthalene	10.774	128	9968	0.107	ng		98
10) Hexachlorobutadiene	11.065	225	2695	0.106	ng	#	99
12) 2-Methylnaphthalene	12.385	142	6730	0.104	ng		99
16) Acenaphthylene	14.268	152	7709	0.095	ng		100
17) Acenaphthene	14.611	154	5688	0.101	ng		99
18) Fluorene	15.601	166	7047	0.100	ng		99
20) 4,6-Dinitro-2-methylph...	15.689	198	219m	0.055	ng		
21) 4-Bromophenyl-phenylether	16.494	248	2229	0.100	ng		95
22) Hexachlorobenzene	16.616	284	3085	0.106	ng		99
23) Atrazine	16.762	200	1637	0.089	ng		96
24) Pentachlorophenol	16.956	266	545	0.051	ng		97
25) Phenanthrene	17.346	178	11707	0.104	ng		98
26) Anthracene	17.431	178	9764	0.097	ng		100
28) Fluoranthene	19.365	202	13915	0.102	ng		99
30) Pyrene	19.728	202	13321	0.100	ng		100
32) Benzo(a)anthracene	21.471	228	13708	0.097	ng		99
33) Chrysene	21.524	228	14281	0.101	ng		100
34) Bis(2-ethylhexyl)phtha...	21.408	149	6642	0.113	ng		100
36) Indeno(1,2,3-cd)pyrene	26.428	276	12129	0.089	ng		97
37) Benzo(b)fluoranthene	23.176	252	14246m	0.101	ng		
38) Benzo(k)fluoranthene	23.224	252	13011	0.098	ng	#	95
39) Benzo(a)pyrene	23.806	252	12189	0.101	ng	#	93
40) Dibenzo(a,h)anthracene	26.452	278	9570	0.085	ng	#	89
41) Benzo(g,h,i)perylene	27.198	276	10799	0.091	ng		98

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

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