Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110624\
Data File : BN034878.D
Acq On : 06 Nov 2024 18:03
Operator : RC/JU
Sample : P4368-02
Misc : LOQ-SOIL-0.2 ng
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 00:42:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN103024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 00:03:28 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.575	152	5935	0.400	ng		-0.01
7) Naphthalene-d8	10.340	136	17065	0.400	ng		-0.01
13) Acenaphthene-d10	14.208	164	7867	0.400	ng		-0.01
19) Phenanthrene-d10	16.952	188	14868	0.400	ng		#-0.02
29) Chrysene-d12	21.149	240	7963	0.400	ng		#-0.01
35) Perylene-d12	23.315	264	6322	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.199	112	5547	0.309	ng		-0.01
5) Phenol-d6	6.759	99	7340	0.314	ng		0.00
8) Nitrobenzene-d5	8.717	82	4930	0.368	ng		-0.01
11) 2-Methylnaphthalene-d10	11.939	152	12787	0.518	ng		-0.01
14) 2,4,6-Tribromophenol	15.698	330	556	0.143	ng		-0.02
15) 2-Fluorobiphenyl	12.829	172	11566	0.373	ng		-0.01
27) Fluoranthene-d10	18.990	212	18230	0.523	ng		-0.01
31) Terphenyl-d14	19.603	244	5908	0.345	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.191	88	1667m	0.256	ng		
3) n-Nitrosodimethylamine	3.487	42	1926m	0.263	ng		
6) bis(2-Chloroethyl)ether	7.012	93	4296	0.252	ng		95
9) Naphthalene	10.394	128	10346	0.219	ng		100
10) Hexachlorobutadiene	10.693	225	1625	0.209	ng	#	98
12) 2-Methylnaphthalene	12.011	142	6132	0.199	ng		97
16) Acenaphthylene	13.919	152	7894	0.200	ng		99
17) Acenaphthene	14.272	154	5282	0.201	ng		94
18) Fluorene	15.266	166	6413	0.196	ng		98
20) 4,6-Dinitro-2-methylph...	15.341	198	208	0.253	ng	#	1
21) 4-Bromophenyl-phenylether	16.157	248	1689	0.196	ng	#	87
22) Hexachlorobenzene	16.269	284	2043	0.212	ng		93
23) Atrazine	16.430	200	1089	0.147	ng	#	91
24) Pentachlorophenol	16.604	266	627	0.151	ng		97
25) Phenanthrene	16.989	178	9744	0.223	ng		99
26) Anthracene	17.088	178	8332	0.204	ng		100
28) Fluoranthene	19.017	202	9089	0.189	ng		97
30) Pyrene	19.384	202	8987	0.216	ng		100
32) Benzo(a)anthracene	21.131	228	6348	0.200	ng		99
33) Chrysene	21.185	228	6986	0.225	ng		99
34) Bis(2-ethylhexyl)phtha...	21.086	149	3813m	0.144	ng		
36) Indeno(1,2,3-cd)pyrene	25.476	276	5904	0.254	ng		93
37) Benzo(b)fluoranthene	22.669	252	6225	0.245	ng	#	83
38) Benzo(k)fluoranthene	22.713	252	6106	0.246	ng	#	84
39) Benzo(a)pyrene	23.222	252	4623	0.220	ng	#	72
40) Dibenzo(a,h)anthracene	25.490	278	4537	0.250	ng		93
41) Benzo(g,h,i)perylene	26.128	276	5194	0.265	ng	#	91

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

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