Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
Data File : BN036425.D
Acq On : 11 Feb 2025 16:04
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 0.1 PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 11 17:00:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 11 01:17:14 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.753	152	1911	0.400	ng		0.00
7) Naphthalene-d8	10.551	136	4412	0.400	ng		0.01
13) Acenaphthene-d10	14.387	164	2910	0.400	ng		0.00
19) Phenanthrene-d10	17.136	188	6455	0.400	ng	#	0.00
29) Chrysene-d12	21.322	240	5824	0.400	ng		0.00
35) Perylene-d12	23.595	264	6091	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.348	112	1617	0.358	ng		0.00
5) Phenol-d6	6.930	99	1744	0.329	ng		0.00
8) Nitrobenzene-d5	8.918	82	1326	0.305	ng		0.01
11) 2-Methylnaphthalene-d10	12.146	152	3640	0.537	ng		0.00
14) 2,4,6-Tribromophenol	15.895	330	482	0.334	ng		0.01
15) 2-Fluorobiphenyl	13.030	172	3424	0.313	ng		0.01
27) Fluoranthene-d10	19.169	212	9920	0.553	ng		0.00
31) Terphenyl-d14	19.768	244	4661	0.375	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.268	88	206	0.099	ng	#	90
3) n-Nitrosodimethylamine	3.586	42	366	0.101	ng	#	99
6) bis(2-Chloroethyl)ether	7.183	93	523	0.094	ng		93
9) Naphthalene	10.605	128	1249	0.098	ng	#	83
10) Hexachlorobutadiene	10.882	225	327	0.106	ng	#	96
12) 2-Methylnaphthalene	12.222	142	790	0.095	ng	#	95
16) Acenaphthylene	14.109	152	1311	0.102	ng		98
17) Acenaphthene	14.452	154	856	0.100	ng		97
18) Fluorene	15.446	166	1202	0.098	ng		97
20) 4,6-Dinitro-2-methylph...	15.547	198	83	0.066	ng	#	7
21) 4-Bromophenyl-phenylether	16.342	248	407	0.106	ng		90
22) Hexachlorobenzene	16.453	284	529	0.111	ng		97
23) Atrazine	16.615	200	343	0.107	ng	#	82
24) Pentachlorophenol	16.813	266	108	0.048	ng		93
25) Phenanthrene	17.186	178	1871	0.100	ng		97
26) Anthracene	17.273	178	1772	0.108	ng		98
28) Fluoranthene	19.201	202	2440	0.106	ng	#	95
30) Pyrene	19.564	202	2472	0.110	ng		99
32) Benzo(a)anthracene	21.313	228	2062	0.108	ng		93
33) Chrysene	21.357	228	2423	0.117	ng		95
34) Bis(2-ethylhexyl)phtha...	21.241	149	1445	0.121	ng		98
36) Indeno(1,2,3-cd)pyrene	25.902	276	2454	0.115	ng		97
37) Benzo(b)fluoranthene	22.914	252	2316	0.115	ng	#	54
38) Benzo(k)fluoranthene	22.958	252	2256	0.109	ng	#	65
39) Benzo(a)pyrene	23.499	252	2013	0.115	ng	#	38
40) Dibenzo(a,h)anthracene	25.922	278	1894	0.113	ng	#	69
41) Benzo(g,h,i)perylene	26.601	276	2197	0.115	ng	#	86

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

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