Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071125\
Data File : BN037479.D
Acq On : 11 Jul 2025 18:29
Operator : RC/JU
Sample : Q2126-03
Misc : MDL-SOIL-0.2 PPM
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2025

Quant Time: Jul 17 04:47:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.732	152	1590	0.400	ng		0.00
7) Naphthalene-d8	10.509	136	3790	0.400	ng		0.00
13) Acenaphthene-d10	14.356	164	1776	0.400	ng		-0.01
19) Phenanthrene-d10	17.099	188	3290	0.400	ng		0.00
29) Chrysene-d12	21.286	240	2415	0.400	ng		0.00
35) Perylene-d12	23.528	264	2377	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.319	112	1199	0.324	ng		0.00
5) Phenol-d6	6.894	99	1492	0.320	ng		0.00
8) Nitrobenzene-d5	8.865	82	1022	0.371	ng		0.00
11) 2-Methylnaphthalene-d10	12.106	152	2070	0.402	ng		0.00
14) 2,4,6-Tribromophenol	15.845	330	185	0.307	ng		0.00
15) 2-Fluorobiphenyl	12.988	172	3787	0.374	ng		0.00
27) Fluoranthene-d10	19.132	212	3325	0.401	ng		0.00
31) Terphenyl-d14	19.736	244	2014	0.400	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.254	88	330	0.221	ng		95
3) n-Nitrosodimethylamine	3.564	42	393	0.197	ng	#	96
6) bis(2-Chloroethyl)ether	7.154	93	813	0.209	ng		98
9) Naphthalene	10.562	128	1957	0.192	ng		96
10) Hexachlorobutadiene	10.861	225	502	0.205	ng	#	97
12) 2-Methylnaphthalene	12.177	142	1107	0.174	ng		96
16) Acenaphthylene	14.078	152	1710	0.211	ng		100
17) Acenaphthene	14.420	154	1024	0.188	ng		97
18) Fluorene	15.403	166	1269	0.186	ng		99
20) 4,6-Dinitro-2-methylph...	15.478	198	62	0.168	ng		82
21) 4-Bromophenyl-phenylether	16.305	248	380	0.185	ng		98
22) Hexachlorobenzene	16.416	284	567	0.200	ng		100
23) Atrazine	16.565	200	192	0.188	ng		92
24) Pentachlorophenol	16.751	266	142	0.146	ng		99
25) Phenanthrene	17.136	178	1901	0.190	ng		99
26) Anthracene	17.235	178	1691	0.187	ng		98
28) Fluoranthene	19.160	202	1943	0.177	ng		99
30) Pyrene	19.522	202	1892	0.195	ng		100
32) Benzo(a)anthracene	21.268	228	1591	0.195	ng		98
33) Chrysene	21.322	228	1726	0.193	ng		97
34) Bis(2-ethylhexyl)phtha...	21.223	149	604	0.217	ng		98
36) Indeno(1,2,3-cd)pyrene	25.797	276	1691	0.183	ng		97
37) Benzo(b)fluoranthene	22.853	252	1587	0.172	ng	#	89
38) Benzo(k)fluoranthene	22.899	252	1689	0.180	ng	#	86
39) Benzo(a)pyrene	23.426	252	1359	0.183	ng	#	87
40) Dibenzo(a,h)anthracene	25.817	278	1380	0.185	ng	#	88
41) Benzo(g,h,i)perylene	26.487	276	1456	0.179	ng		93

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

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