Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
Data File : BF144477.D
Acq On : 15 Dec 2025 16:37
Operator : RC/JU
Sample : Q3530-02
Misc : LOQ-SOIL-5NG
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

Quant Time: Dec 15 17:06:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 15 17:06:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.793	152	209411	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	829624	20.000	ng		0.00
39) Acenaphthene-d10	9.828	164	437594	20.000	ng		0.00
64) Phenanthrene-d10	11.310	188	727560	20.000	ng		0.00
76) Chrysene-d12	13.939	240	571279	20.000	ng		0.00
86) Perylene-d12	15.374	264	424659	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	1522995	109.659	ng		0.00
7) Phenol-d6	6.416	99	1906970	110.081	ng		0.00
23) Nitrobenzene-d5	7.351	82	1192534	89.952	ng		0.00
42) 2,4,6-Tribromophenol	10.610	330	496362	125.462	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	2140113	75.026	ng		0.00
79) Terphenyl-d14	12.898	244	2400382	66.337	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.499	88	28763	4.307	ng		98
3) Pyridine	3.275	79	68161	3.712	ng		98
6) Aniline	6.457	93	104168	4.311	ng		98
8) 2-Chlorophenol	6.575	128	66511	4.467	ng		87
10) Phenol	6.428	94	90067	4.405	ng	#	66
11) bis(2-Chloroethyl)ether	6.528	93	64748	4.333	ng		99
12) 1,3-Dichlorobenzene	6.734	146	74014	4.601	ng		98
13) 1,4-Dichlorobenzene	6.810	146	74010	4.585	ng		99
14) 1,2-Dichlorobenzene	6.963	146	71314	4.652	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.069	45	100512	3.985	ng		100
17) 2-Methylphenol	7.034	107	53304	4.247	ng		99
18) Hexachloroethane	7.304	117	23783	4.240	ng		99
22) Acetophenone	7.198	105	94450	4.590	ng		95
24) Nitrobenzene	7.369	77	71104	4.944	ng		99
25) Isophorone	7.604	82	120333	4.022	ng		98
26) 2-Nitrophenol	7.687	139	22757	7.364	ng		98
27) 2,4-Dimethylphenol	7.722	122	53143	3.723	ng		96
28) bis(2-Chloroethoxy)met...	7.822	93	78012	4.231	ng		99
29) 2,4-Dichlorophenol	7.922	162	50372	4.246	ng		98
30) 1,2,4-Trichlorobenzene	8.016	180	59331	4.612	ng		98
31) Naphthalene	8.092	128	201286	4.508	ng		99
33) 4-Chloroaniline	8.140	127	79085	4.407	ng		97
34) Hexachlorobutadiene	8.216	225	34633	4.354	ng		98
36) 4-Chloro-3-methylphenol	8.610	107	51864	4.028	ng		99
37) 2-Methylnaphthalene	8.787	142	118304	4.027	ng		99
38) 1-Methylnaphthalene	8.887	142	120606	4.216	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	58324	4.683	ng		99
43) 2,4,6-Trichlorophenol	9.057	196	34639	4.380	ng		97
44) 2,4,5-Trichlorophenol	9.092	196	35477	4.274	ng		97
46) 1,1'-Biphenyl	9.251	154	162291	4.746	ng		98
47) 2-Chloronaphthalene	9.275	162	118509	4.539	ng		97
48) 2-Nitroaniline	9.363	65	25376	6.765	ng		97
49) Acenaphthylene	9.686	152	183748	4.442	ng		97
50) Dimethylphthalate	9.545	163	128492	4.347	ng		99
51) 2,6-Dinitrotoluene	9.604	165	22204	4.934	ng		99
52) Acenaphthene	9.857	154	113989	4.420	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 3-Nitroaniline	9.769	138	27038	6.831	ng		99
55) Dibenzofuran	10.028	168	166798	4.546	ng		96
57) 2,4-Dinitrotoluene	10.004	165	26607	7.193	ng		94
58) Fluorene	10.369	166	128917	4.640	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	30526	4.845	ng	#	94
60) Diethylphthalate	10.245	149	116129	4.145	ng		99
61) 4-Chlorophenyl-phenyle...	10.369	204	61337	4.499	ng		99
62) 4-Nitroaniline	10.375	138	23844	5.971	ng		98
63) Azobenzene	10.528	77	122148	4.126	ng		99
66) n-Nitrosodiphenylamine	10.481	169	111028	4.453	ng		99
67) 4-Bromophenyl-phenylether	10.857	248	35256	4.151	ng		97
68) Hexachlorobenzene	10.916	284	40112	4.278	ng		98
69) Atrazine	11.004	200	30981	3.967	ng		98
71) Phenanthrene	11.328	178	195204	4.654	ng		98
72) Anthracene	11.380	178	186168	4.385	ng		97
73) Carbazole	11.533	167	166399	4.515	ng		98
74) Di-n-butylphthalate	11.875	149	156966	3.984	ng		100
75) Fluoranthene	12.516	202	185330	4.474	ng		99
78) Pyrene	12.745	202	195180	3.729	ng		98
80) Butylbenzylphthalate	13.369	149	45124	5.686	ng		99
81) Benzo(a)anthracene	13.927	228	161191	4.007	ng		98
83) Chrysene	13.963	228	161354	4.382	ng		99
84) Bis(2-ethylhexyl)phtha...	13.933	149	59311	5.671	ng		99
87) Indeno(1,2,3-cd)pyrene	16.780	276	104648	3.433	ng		99
88) Benzo(b)fluoranthene	14.957	252	109633	3.933	ng		99
89) Benzo(k)fluoranthene	14.986	252	104985	3.983	ng		98
90) Benzo(a)pyrene	15.310	252	96012	3.940	ng		100
91) Dibenzo(a,h)anthracene	16.798	278	85674	3.480	ng		97
92) Benzo(g,h,i)perylene	17.204	276	85937	3.433	ng		98

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

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