Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
Data File : BF144471.D
Acq On : 15 Dec 2025 13:41
Operator : RC/JU
Sample : Q3530-01
Misc : LOD-SOIL-8NG
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

Quant Time: Dec 15 14:01:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 12 15:57:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	221662	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	771541	20.000	ng		0.00
39) Acenaphthene-d10	9.828	164	412563	20.000	ng		0.00
64) Phenanthrene-d10	11.310	188	704056	20.000	ng		0.00
76) Chrysene-d12	13.939	240	546898	20.000	ng		0.00
86) Perylene-d12	15.374	264	394256	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.398	112	1866730	126.980	ng		0.00
7) Phenol-d6	6.416	99	2057840	112.225	ng		0.00
23) Nitrobenzene-d5	7.357	82	1236186	100.264	ng		0.00
42) 2,4,6-Tribromophenol	10.610	330	524208	140.540	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	2213068	82.291	ng		0.00
79) Terphenyl-d14	12.898	244	2553845	73.724	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.493	88	64574	9.135	ng		96
3) Pyridine	3.269	79	135569	6.974	ng		98
4) n-Nitrosodimethylamine	3.152	42	64254	7.606	ng		95
6) Aniline	6.457	93	185807	7.264	ng		98
8) 2-Chlorophenol	6.575	128	127809	8.109	ng		89
9) Benzaldehyde	6.340	77	92220	6.424	ng		99
10) Phenol	6.428	94	162360	7.502	ng	#	73
11) bis(2-Chloroethyl)ether	6.528	93	113573	7.180	ng		99
12) 1,3-Dichlorobenzene	6.734	146	145466	8.542	ng		98
13) 1,4-Dichlorobenzene	6.810	146	144170	8.438	ng		99
14) 1,2-Dichlorobenzene	6.963	146	134742	8.304	ng		99
15) Benzyl Alcohol	6.928	79	95968	7.101	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	178452	6.685	ng		98
17) 2-Methylphenol	7.034	107	94563	7.118	ng		98
18) Hexachloroethane	7.310	117	47549	8.009	ng		97
19) n-Nitroso-di-n-propyla...	7.198	70	79640	6.876	ng		98
20) 3+4-Methylphenols	7.187	107	120489	7.381	ng	#	86
22) Acetophenone	7.198	105	162225	8.477	ng		96
24) Nitrobenzene	7.369	77	122925	9.191	ng		99
25) Isophorone	7.610	82	211824	7.613	ng		99
26) 2-Nitrophenol	7.686	139	43377	11.075	ng		99
27) 2,4-Dimethylphenol	7.722	122	84554	6.369	ng		97
28) bis(2-Chloroethoxy)met...	7.822	93	135045	7.876	ng		97
29) 2,4-Dichlorophenol	7.922	162	91318	8.278	ng		98
30) 1,2,4-Trichlorobenzene	8.016	180	103434	8.645	ng		97
31) Naphthalene	8.092	128	344129	8.287	ng		99
32) Benzoic acid	7.769	122	35337	10.491	ng		99
33) 4-Chloroaniline	8.139	127	134626	8.066	ng		98
34) Hexachlorobutadiene	8.216	225	60104	8.124	ng		98
35) Caprolactam	8.469	113	26638	7.312	ng		97
36) 4-Chloro-3-methylphenol	8.610	107	94378	7.881	ng		100
37) 2-Methylnaphthalene	8.786	142	201059	7.359	ng		99
38) 1-Methylnaphthalene	8.886	142	209055	7.858	ng		100
40) 1,2,4,5-Tetrachloroben...	8.951	216	101119	8.612	ng		98
41) Hexachlorocyclopentadiene	8.939	237	36693	5.280	ng		99
43) 2,4,6-Trichlorophenol	9.057	196	61423	8.238	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.092	196	63424	8.104	ng		99
46) 1,1'-Biphenyl	9.251	154	277496	8.607	ng		98
47) 2-Chloronaphthalene	9.275	162	205217	8.338	ng		98
48) 2-Nitroaniline	9.363	65	49417	10.103	ng		99
49) Acenaphthylene	9.686	152	325319	8.342	ng		98
50) Dimethylphthalate	9.545	163	226901	8.142	ng		99
51) 2,6-Dinitrotoluene	9.604	165	41619	11.394	ng		96
52) Acenaphthene	9.857	154	203029	8.350	ng		99
53) 3-Nitroaniline	9.769	138	51645	10.755	ng		98
54) 2,4-Dinitrophenol	9.875	184	10487	11.666	ng	#	48
55) Dibenzofuran	10.028	168	290795	8.406	ng		97
56) 4-Nitrophenol	9.916	139	37478	7.897	ng		97
57) 2,4-Dinitrotoluene	10.004	165	51130	10.624	ng		95
58) Fluorene	10.369	166	232173	8.863	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	55710	9.378	ng		97
60) Diethylphthalate	10.245	149	210999	7.989	ng		99
61) 4-Chlorophenyl-phenyle...	10.369	204	109771	8.541	ng		98
62) 4-Nitroaniline	10.375	138	47986	9.894	ng		98
63) Azobenzene	10.527	77	220420	7.896	ng		99
65) 4,6-Dinitro-2-methylph...	10.410	198	17002	11.665	ng		93
66) n-Nitrosodiphenylamine	10.480	169	197001	8.165	ng		99
67) 4-Bromophenyl-phenylether	10.857	248	63992	7.786	ng		100
68) Hexachlorobenzene	10.916	284	73205	8.068	ng		97
69) Atrazine	11.004	200	61565	8.146	ng		99
70) Pentachlorophenol	11.104	266	38845	7.506	ng		97
71) Phenanthrene	11.327	178	341881	8.423	ng		99
72) Anthracene	11.380	178	335277	8.161	ng		98
73) Carbazole	11.533	167	309006	8.664	ng		98
74) Di-n-butylphthalate	11.874	149	312873	8.207	ng		99
75) Fluoranthene	12.516	202	346695	8.650	ng		99
77) Benzidine	12.639	184	107798	5.536	ng		98
78) Pyrene	12.745	202	361126	7.207	ng		99
80) Butylbenzylphthalate	13.368	149	101960	8.990	ng		99
81) Benzo(a)anthracene	13.927	228	293321	7.616	ng		99
82) 3,3'-Dichlorobenzidine	13.898	252	80573	7.383	ng		99
83) Chrysene	13.963	228	285690	8.105	ng		99
84) Bis(2-ethylhexyl)phtha...	13.933	149	123807	8.935	ng		99
85) Di-n-octyl phthalate	14.545	149	137710	10.510	ng		99
87) Indeno(1,2,3-cd)pyrene	16.780	276	201115	7.107	ng		99
88) Benzo(b)fluoranthene	14.957	252	206379	7.974	ng		100
89) Benzo(k)fluoranthene	14.986	252	225523	9.215	ng		97
90) Benzo(a)pyrene	15.310	252	184416	8.151	ng		100
91) Dibenzo(a,h)anthracene	16.798	278	164321	7.190	ng		98
92) Benzo(g,h,i)perylene	17.204	276	165507	7.122	ng		98

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

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