Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143110.D
Acq On : 16 Jul 2025 13:05
Operator : RC/JU
Sample : Q2126-01
Misc : LOD-MDL-SOIL-4 PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jul 16 13:30:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	148267	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	571746	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	283262	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	454952	20.000	ng		0.00
76) Chrysene-d12	14.127	240	243248	20.000	ng		0.00
86) Perylene-d12	15.633	264	239895	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	1046215	111.485	ng		0.00
7) Phenol-d6	6.587	99	1352374	114.645	ng		0.00
23) Nitrobenzene-d5	7.522	82	859919	84.373	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	335971	133.020	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1555508	72.996	ng		0.00
79) Terphenyl-d14	13.074	244	1309042	78.667	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	18641	3.990	ng		94
3) Pyridine	3.640	79	42318	3.577	ng		94
4) n-Nitrosodimethylamine	3.510	42	22375	3.651	ng	#	93
6) Aniline	6.628	93	65319	3.932	ng		99
8) 2-Chlorophenol	6.751	128	40653	4.312	ng	#	77
9) Benzaldehyde	6.516	77	35691	3.971	ng		98
10) Phenol	6.598	94	54981	4.305	ng	#	59
11) bis(2-Chloroethyl)ether	6.698	93	40031	4.049	ng		99
12) 1,3-Dichlorobenzene	6.910	146	43353	4.070	ng		100
13) 1,4-Dichlorobenzene	6.987	146	44254	4.130	ng		98
14) 1,2-Dichlorobenzene	7.140	146	42834	4.191	ng		98
15) Benzyl Alcohol	7.093	79	33462	3.828	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	73470	4.032	ng		99
17) 2-Methylphenol	7.198	107	31534	3.876	ng		96
18) Hexachloroethane	7.487	117	13564	3.888	ng		95
19) n-Nitroso-di-n-propyla...	7.363	70	29159	4.035	ng		96
20) 3+4-Methylphenols	7.351	107	40803	4.089	ng	#	88
22) Acetophenone	7.363	105	58832	4.269	ng		98
24) Nitrobenzene	7.540	77	43899	4.462	ng		100
25) Isophorone	7.775	82	75436	3.829	ng		100
26) 2-Nitrophenol	7.857	139	11749	6.674	ng		98
27) 2,4-Dimethylphenol	7.887	122	37467	4.098	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	48872	4.091	ng		98
29) 2,4-Dichlorophenol	8.092	162	29416	3.933	ng		97
30) 1,2,4-Trichlorobenzene	8.187	180	33800	3.982	ng		97
31) Naphthalene	8.269	128	118771	4.183	ng		99
32) Benzoic acid	7.922	122	7392	7.923	ng		95
33) 4-Chloroaniline	8.304	127	45019	3.943	ng		99
34) Hexachlorobutadiene	8.392	225	20344	4.007	ng		98
35) Caprolactam	8.622	113	7393	3.165	ng		97
36) 4-Chloro-3-methylphenol	8.775	107	31506	3.781	ng		98
37) 2-Methylnaphthalene	8.957	142	69431	4.099	ng		98
38) 1-Methylnaphthalene	9.057	142	74625	4.248	ng		97
40) 1,2,4,5-Tetrachloroben...	9.122	216	34968	4.236	ng		99
41) Hexachlorocyclopentadiene	9.116	237	14581	3.186	ng		99
43) 2,4,6-Trichlorophenol	9.228	196	19160	3.735	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	21668	4.029	ng		97
46) 1,1'-Biphenyl	9.422	154	96096	4.254	ng		99
47) 2-Chloronaphthalene	9.445	162	68898	4.152	ng		100
48) 2-Nitroaniline	9.528	65	14448	5.899	ng		96
49) Acenaphthylene	9.863	152	111126	4.019	ng		100
50) Dimethylphthalate	9.710	163	73195	4.107	ng		99
51) 2,6-Dinitrotoluene	9.769	165	11033	5.747	ng		98
52) Acenaphthene	10.033	154	67865	4.159	ng		99
53) 3-Nitroaniline	9.933	138	13546	3.518	ng	#	98
54) 2,4-Dinitrophenol	10.039	184	2204	7.059	ng	#	1
55) Dibenzofuran	10.204	168	100300	4.124	ng		98
56) 4-Nitrophenol	10.081	139	8980	2.934	ng		97
57) 2,4-Dinitrotoluene	10.169	165	11852	5.904	ng	#	96
58) Fluorene	10.545	166	78748	4.318	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	16388	3.834	ng	#	99
60) Diethylphthalate	10.416	149	67823	3.945	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	37307	4.268	ng		98
62) 4-Nitroaniline	10.539	138	12125	3.621	ng		96
63) Azobenzene	10.698	77	75014	3.945	ng		98
65) 4,6-Dinitro-2-methylph...	10.581	198	3160	7.420	ng		93
66) n-Nitrosodiphenylamine	10.651	169	63582	3.979	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	20327	3.929	ng		98
68) Hexachlorobenzene	11.098	284	21900	3.989	ng		100
69) Atrazine	11.175	200	14728	3.602	ng		97
70) Pentachlorophenol	11.286	266	9323	3.095	ng		97
71) Phenanthrene	11.510	178	101477	4.133	ng		99
72) Anthracene	11.563	178	98582	3.993	ng		98
73) Carbazole	11.710	167	87757	3.967	ng		99
74) Di-n-butylphthalate	12.045	149	68727	3.385	ng		100
75) Fluoranthene	12.698	202	84552	3.787	ng		100
77) Benzidine	12.816	184	25876	3.122	ng	#	94
78) Pyrene	12.927	202	87483	3.876	ng		100
80) Butylbenzylphthalate	13.545	149	10344	5.530	ng		94
81) Benzo(a)anthracene	14.116	228	59139	3.648	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	12186	2.589	ng		98
83) Chrysene	14.151	228	55894	3.744	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	15859	5.565	ng		96
85) Di-n-octyl phthalate	14.721	149	24649	8.331	ng	#	95
87) Indeno(1,2,3-cd)pyrene	17.162	276	65288	3.659	ng		98
88) Benzo(b)fluoranthene	15.186	252	47208	3.412	ng		98
89) Benzo(k)fluoranthene	15.216	252	49516	3.751	ng		99
90) Benzo(a)pyrene	15.563	252	44516	3.401	ng		99
91) Dibenzo(a,h)anthracene	17.180	278	55996	3.839	ng		97
92) Benzo(g,h,i)perylene	17.621	276	56265	3.784	ng		99

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

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