Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143712.D
Acq On : 11 Sep 2025 17:59
Operator : RC/JU
Sample : Q3032-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

Quant Time: Sep 11 18:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	38125	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	141026	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	74973	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	106474	20.000	ng	0.01
76) Chrysene-d12	14.063	240	98778	20.000	ng	0.02
86) Perylene-d12	15.539	264	80025	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	293996	131.567	ng	0.02
7) Phenol-d6	6.516	99	335344	123.251	ng	0.01
23) Nitrobenzene-d5	7.457	82	228322	100.703	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	104200	137.911	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	506239	102.001	ng	0.00
79) Terphenyl-d14	13.010	244	473474	77.677	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.840	88	41851	41.986	ng	# 84
3) Pyridine	3.552	79	95567	37.115	ng	98
4) n-Nitrosodimethylamine	3.493	42	48372	49.456	ng	95
6) Aniline	6.557	93	81086	22.501	ng	99
8) 2-Chlorophenol	6.681	128	114339	47.377	ng	97
9) Benzaldehyde	6.446	77	45625	20.784	ng	98
10) Phenol	6.534	94	131223	43.631	ng	97
11) bis(2-Chloroethyl)ether	6.634	93	108079	48.115	ng	96
12) 1,3-Dichlorobenzene	6.840	146	133694	48.437	ng	99
13) 1,4-Dichlorobenzene	6.916	146	134130	48.146	ng	98
14) 1,2-Dichlorobenzene	7.063	146	126998	48.273	ng	98
15) Benzyl Alcohol	7.034	79	99441	50.244	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	135153	45.990	ng	98
17) 2-Methylphenol	7.140	107	93614	48.219	ng	98
18) Hexachloroethane	7.410	117	40745	45.275	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	82500	49.371	ng	98
20) 3+4-Methylphenols	7.293	107	121374	47.475	ng	94
22) Acetophenone	7.304	105	179068	56.221	ng	99
24) Nitrobenzene	7.475	77	115223	49.012	ng	96
25) Isophorone	7.716	82	217476	50.022	ng	98
26) 2-Nitrophenol	7.793	139	61685	53.366	ng	98
27) 2,4-Dimethylphenol	7.822	122	108390	52.235	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	132560	49.615	ng	99
29) 2,4-Dichlorophenol	8.028	162	101318	48.539	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	111857	51.726	ng	98
31) Naphthalene	8.198	128	342800	49.103	ng	99
32) Benzoic acid	7.928	122	74952	59.205	ng	94
33) 4-Chloroaniline	8.240	127	30744	12.650	ng	98
34) Hexachlorobutadiene	8.316	225	67259	47.685	ng	99
35) Caprolactam	8.610	113	26317	47.371	ng	94
36) 4-Chloro-3-methylphenol	8.722	107	99059	48.130	ng	94
37) 2-Methylnaphthalene	8.887	142	208542	43.638	ng	100
38) 1-Methylnaphthalene	8.987	142	212303	46.291	ng	98
40) 1,2,4,5-Tetrachloroben...	9.057	216	122034	56.856	ng	99
41) Hexachlorocyclopentadiene	9.045	237	84770	76.929	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	74458	51.952	ng	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	73644	50.544	ng		98
46) 1,1'-Biphenyl	9.357	154	310699	57.564	ng		98
47) 2-Chloronaphthalene	9.381	162	212953	50.327	ng		99
48) 2-Nitroaniline	9.469	65	60257	53.811	ng		98
49) Acenaphthylene	9.798	152	350181	57.774	ng		100
50) Dimethylphthalate	9.651	163	255984	52.477	ng		99
51) 2,6-Dinitrotoluene	9.716	165	52860	56.677	ng		95
52) Acenaphthene	9.969	154	212653	50.914	ng		99
53) 3-Nitroaniline	9.881	138	32789	32.669	ng		96
54) 2,4-Dinitrophenol	9.986	184	35832	72.015	ng	#	57
55) Dibenzofuran	10.139	168	297181	49.481	ng		98
56) 4-Nitrophenol	10.034	139	73258	91.744	ng		99
57) 2,4-Dinitrotoluene	10.116	165	68835	54.228	ng		97
58) Fluorene	10.486	166	229583	48.834	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	60071	50.846	ng		98
60) Diethylphthalate	10.357	149	239914	52.388	ng		98
61) 4-Chlorophenyl-phenyle...	10.475	204	117589	49.318	ng		100
62) 4-Nitroaniline	10.492	138	43831	46.108	ng		98
63) Azobenzene	10.634	77	200625	49.554	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	25453	46.953	ng		97
66) n-Nitrosodiphenylamine	10.592	169	195522	56.054	ng		100
67) 4-Bromophenyl-phenylether	10.969	248	69182	53.881	ng		98
68) Hexachlorobenzene	11.028	284	69978	51.616	ng		97
69) Atrazine	11.116	200	62305	56.969	ng		98
70) Pentachlorophenol	11.222	266	88506	107.992	ng		98
71) Phenanthrene	11.445	178	299508	51.054	ng		99
72) Anthracene	11.498	178	304605	51.638	ng		100
73) Carbazole	11.651	167	259856	53.789	ng		100
74) Di-n-butylphthalate	11.980	149	332700	57.203	ng		100
75) Fluoranthene	12.633	202	303356	56.328	ng		99
77) Benzidine	12.757	184	69926	21.708	ng		100
78) Pyrene	12.863	202	311710	39.468	ng		99
80) Butylbenzylphthalate	13.480	149	129836	52.469	ng		99
81) Benzo(a)anthracene	14.051	228	337596	53.125	ng		100
82) 3,3'-Dichlorobenzidine	14.016	252	86099	44.040	ng		98
83) Chrysene	14.092	228	286928	49.299	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	184436	52.239	ng		98
85) Di-n-octyl phthalate	14.657	149	326362	51.583	ng		96
87) Indeno(1,2,3-cd)pyrene	17.039	276	187654	34.359	ng		99
88) Benzo(b)fluoranthene	15.110	252	279033	58.574	ng		99
89) Benzo(k)fluoranthene	15.139	252	277882	64.634	ng		99
90) Benzo(a)pyrene	15.480	252	233587	55.814	ng		99
91) Dibenzo(a,h)anthracene	17.057	278	156620	34.564	ng		98
92) Benzo(g,h,i)perylene	17.492	276	145103	34.235	ng		99

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

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