Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
Data File : BF143859.D
Acq On : 02 Oct 2025 17:12
Operator : RC/JU
Sample : Q3256-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 02 17:35:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1-WCMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	125315	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	480352	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	260593	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	441445	20.000	ng		0.00
76) Chrysene-d12	14.057	240	370263	20.000	ng		0.00
86) Perylene-d12	15.533	264	501142	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	896241	116.197	ng		0.02
7) Phenol-d6	6.510	99	1035440	116.185	ng		0.00
23) Nitrobenzene-d5	7.445	82	723520	92.199	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	340979	88.371	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1439484	86.200	ng		0.00
79) Terphenyl-d14	12.998	244	2095563	115.103	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.834	88	141639	38.366	ng	#	81
3) Pyridine	3.540	79	364194	36.546	ng		91
4) n-Nitrosodimethylamine	3.481	42	205843	41.194	ng		86
6) Aniline	6.551	93	327985	25.357	ng		98
8) 2-Chlorophenol	6.669	128	368500	46.668	ng		100
9) Benzaldehyde	6.440	77	129978	16.655	ng		95
10) Phenol	6.528	94	437771	42.260	ng		99
11) bis(2-Chloroethyl)ether	6.622	93	376630	46.382	ng		96
12) 1,3-Dichlorobenzene	6.828	146	397450	43.352	ng		99
13) 1,4-Dichlorobenzene	6.904	146	405012	44.267	ng		99
14) 1,2-Dichlorobenzene	7.057	146	386368	44.588	ng		100
15) Benzyl Alcohol	7.028	79	338184	52.517	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	766058	39.785	ng		95
17) 2-Methylphenol	7.134	107	294450	48.166	ng		99
18) Hexachloroethane	7.398	117	138900	43.169	ng		96
19) n-Nitroso-di-n-propyla...	7.298	70	268573	46.864	ng		91
20) 3+4-Methylphenols	7.287	107	342829	46.050	ng	#	81
22) Acetophenone	7.292	105	518354	49.132	ng		98
24) Nitrobenzene	7.469	77	401360	46.143	ng		96
25) Isophorone	7.704	82	746777	48.834	ng		99
26) 2-Nitrophenol	7.781	139	196538	54.639	ng		94
27) 2,4-Dimethylphenol	7.816	122	354185	51.819	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	459917	46.292	ng		99
29) 2,4-Dichlorophenol	8.022	162	331183	49.244	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	334067	47.864	ng		99
31) Naphthalene	8.192	128	1033523	44.945	ng		99
32) Benzoic acid	7.934	122	267715	81.182	ng		94
33) 4-Chloroaniline	8.234	127	162003	20.048	ng		98
34) Hexachlorobutadiene	8.304	225	240255	46.176	ng		99
35) Caprolactam	8.604	113	95898m	55.787	ng		
36) 4-Chloro-3-methylphenol	8.716	107	328737	52.118	ng		100
37) 2-Methylnaphthalene	8.881	142	643595	43.893	ng		99
38) 1-Methylnaphthalene	8.981	142	661351	47.123	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	384283	48.865	ng		99
41) Hexachlorocyclopentadiene	9.034	237	516102	103.549	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	248165	50.396	ng		99

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.198	196	265937	51.631	ng		99
46)	1,1'-Biphenyl	9.345	154	931224	49.366	ng		99
47)	2-Chloronaphthalene	9.369	162	678660	44.695	ng		99
48)	2-Nitroaniline	9.463	65	271335	59.124	ng		99
49)	Acenaphthylene	9.786	152	1109695	53.087	ng		100
50)	Dimethylphthalate	9.645	163	816952	51.435	ng		100
51)	2,6-Dinitrotoluene	9.704	165	173296	66.407	ng		97
52)	Acenaphthene	9.957	154	700996	50.960	ng		99
53)	3-Nitroaniline	9.875	138	123178	38.941	ng		95
54)	2,4-Dinitrophenol	9.980	184	152632	110.454	ng	#	21
55)	Dibenzofuran	10.133	168	930532	47.838	ng		99
56)	4-Nitrophenol	10.033	139	260913	102.360	ng		92
57)	2,4-Dinitrotoluene	10.110	165	237886	60.599	ng		95
58)	Fluorene	10.475	166	712192	49.250	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.245	232	271876	61.615	ng		97
60)	Diethylphthalate	10.345	149	787212	52.946	ng		99
61)	4-Chlorophenyl-phenyle...	10.469	204	371754	50.453	ng		95
62)	4-Nitroaniline	10.492	138	180984	60.851	ng		98
63)	Azobenzene	10.628	77	773820	49.384	ng		96
65)	4,6-Dinitro-2-methylph...	10.516	198	111824	63.372	ng		86
66)	n-Nitrosodiphenylamine	10.586	169	688946	47.455	ng		99
67)	4-Bromophenyl-phenylether	10.957	248	368163	48.939	ng		98
68)	Hexachlorobenzene	11.022	284	469814	45.316	ng		96
69)	Atrazine	11.110	200	226045	53.768	ng		98
70)	Pentachlorophenol	11.216	266	532055	103.099	ng		99
71)	Phenanthrene	11.439	178	1073690	47.375	ng		100
72)	Anthracene	11.492	178	1090822	47.983	ng		100
73)	Carbazole	11.645	167	947714	47.680	ng		100
74)	Di-n-butylphthalate	11.974	149	1160200	50.754	ng		100
75)	Fluoranthene	12.627	202	1096843	48.119	ng		99
77)	Benzidine	12.751	184	167158	18.527	ng		99
78)	Pyrene	12.857	202	1107932	60.863	ng		99
80)	Butylbenzylphthalate	13.474	149	396351	62.933	ng		97
81)	Benzo(a)anthracene	14.045	228	999752	50.261	ng		99
82)	3,3'-Dichlorobenzidine	14.010	252	315976	36.668	ng		100
83)	Chrysene	14.086	228	944634	52.483	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.033	149	480257	52.024	ng		98
85)	Di-n-octyl phthalate	14.651	149	787946	47.055	ng		95
87)	Indeno(1,2,3-cd)pyrene	17.033	276	1919120	50.472	ng		99
88)	Benzo(b)fluoranthene	15.104	252	1310154	51.337	ng		100
89)	Benzo(k)fluoranthene	15.133	252	1267601	49.439	ng		100
90)	Benzo(a)pyrene	15.474	252	1274983	53.149	ng		100
91)	Dibenzo(a,h)anthracene	17.057	278	1548721	49.798	ng		100
92)	Benzo(g,h,i)perylene	17.492	276	1579743	52.694	ng		99

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

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