Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112125\
Data File : BF144319.D
Acq On : 21 Nov 2025 20:49
Operator : RC/JU
Sample : Q3678-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-STONEMSD

Quant Time: Nov 21 22:06:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	51626	20.000	ng		0.00
21) Naphthalene-d8	8.145	136	187793	20.000	ng		-0.01
39) Acenaphthene-d10	9.904	164	93758	20.000	ng		-0.01
64) Phenanthrene-d10	11.392	188	158644	20.000	ng		-0.01
76) Chrysene-d12	14.045	240	136882	20.000	ng		0.00
86) Perylene-d12	15.527	264	106667	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	389929	118.194	ng		0.01
7) Phenol-d6	6.504	99	410109	109.711	ng		0.00
23) Nitrobenzene-d5	7.428	82	287626	88.458	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	146060	124.142	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	540991	85.220	ng		0.00
79) Terphenyl-d14	12.980	244	664480	77.108	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.787	88	59903	43.920	ng	#	78
3) Pyridine	3.516	79	135381	35.578	ng		99
4) n-Nitrosodimethylamine	3.446	42	88077	44.313	ng		92
6) Aniline	6.534	93	40825	7.665	ng	#	49
8) 2-Chlorophenol	6.657	128	141715	43.802	ng		98
9) Benzaldehyde	6.422	77	47827	22.658	ng		95
10) Phenol	6.516	94	169322	37.074	ng		99
11) bis(2-Chloroethyl)ether	6.604	93	149754	44.999	ng		99
12) 1,3-Dichlorobenzene	6.810	146	167865	42.047	ng		98
13) 1,4-Dichlorobenzene	6.886	146	167449	41.866	ng		99
14) 1,2-Dichlorobenzene	7.034	146	158791	41.421	ng		99
15) Benzyl Alcohol	7.010	79	133174	44.992	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	271773	44.346	ng		94
17) 2-Methylphenol	7.122	107	110646	42.989	ng		99
18) Hexachloroethane	7.375	117	50545	38.038	ng		99
19) n-Nitroso-di-n-propyla...	7.275	70	108434	44.064	ng		98
20) 3+4-Methylphenols	7.275	107	131695	43.405	ng	#	83
22) Acetophenone	7.275	105	185745	46.107	ng		99
24) Nitrobenzene	7.451	77	154361	43.723	ng		95
25) Isophorone	7.686	82	281859	45.828	ng		97
26) 2-Nitrophenol	7.763	139	80403	46.007	ng		98
27) 2,4-Dimethylphenol	7.798	122	135106	51.579	ng		99
28) bis(2-Chloroethoxy)met...	7.892	93	183520	47.783	ng		97
29) 2,4-Dichlorophenol	8.010	162	135838	44.994	ng		99
30) 1,2,4-Trichlorobenzene	8.086	180	134958	43.533	ng		99
31) Naphthalene	8.169	128	385405	43.143	ng		100
32) Benzoic acid	7.922	122	72243	37.626	ng		92
33) 4-Chloroaniline	8.222	127	26611	8.168	ng		97
34) Hexachlorobutadiene	8.280	225	94683	40.526	ng		99
35) Caprolactam	8.586	113	35358	42.748	ng		99
36) 4-Chloro-3-methylphenol	8.704	107	119313	44.097	ng		97
37) 2-Methylnaphthalene	8.863	142	234128	39.200	ng		98
38) 1-Methylnaphthalene	8.963	142	239683	41.590	ng		99
40) 1,2,4,5-Tetrachloroben...	9.027	216	143829	46.808	ng		99
41) Hexachlorocyclopentadiene	9.010	237	25466	29.870	ng		95
43) 2,4,6-Trichlorophenol	9.139	196	96612	46.196	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	103958	46.121	ng		98
46) 1,1'-Biphenyl	9.322	154	321944	49.192	ng		99
47) 2-Chloronaphthalene	9.351	162	261858	46.906	ng		98
48) 2-Nitroaniline	9.451	65	80590	50.032	ng		91
49) Acenaphthylene	9.769	152	399882	52.564	ng		99
50) Dimethylphthalate	9.622	163	320820	51.651	ng		100
51) 2,6-Dinitrotoluene	9.692	165	64953	51.658	ng		91
52) Acenaphthene	9.939	154	216946	42.645	ng		97
53) 3-Nitroaniline	9.863	138	32718	23.804	ng		98
54) 2,4-Dinitrophenol	9.974	184	15076	19.856	ng		98
55) Dibenzofuran	10.110	168	329754	46.281	ng		99
56) 4-Nitrophenol	10.033	139	86334	86.833	ng		95
57) 2,4-Dinitrotoluene	10.098	165	81388	48.352	ng		97
58) Fluorene	10.457	166	259125	47.834	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.233	232	77362	48.511	ng		99
60) Diethylphthalate	10.322	149	284215	49.637	ng		100
61) 4-Chlorophenyl-phenyle...	10.445	204	139277	45.135	ng		98
62) 4-Nitroaniline	10.474	138	62800	47.977	ng		94
63) Azobenzene	10.604	77	255243	47.898	ng		97
65) 4,6-Dinitro-2-methylph...	10.510	198	14272	13.243	ng		97
66) n-Nitrosodiphenylamine	10.563	169	249870	48.971	ng		99
67) 4-Bromophenyl-phenylether	10.933	248	91698	45.284	ng		98
68) Hexachlorobenzene	11.004	284	106577	44.684	ng		99
69) Atrazine	11.092	200	77054	47.486	ng		99
70) Pentachlorophenol	11.204	266	118511	99.782	ng		97
71) Phenanthrene	11.421	178	380800	48.211	ng		99
72) Anthracene	11.474	178	389047	48.440	ng		100
73) Carbazole	11.627	167	351075	51.405	ng		98
74) Di-n-butylphthalate	11.951	149	431935	52.317	ng		99
75) Fluoranthene	12.615	202	443713	54.381	ng		98
77) Benzidine	12.739	184	77197	19.066	ng		100
78) Pyrene	12.845	202	456372	41.351	ng		99
80) Butylbenzylphthalate	13.457	149	187701	49.070	ng		97
81) Benzo(a)anthracene	14.033	228	464119	48.922	ng		100
82) 3,3'-Dichlorobenzidine	13.998	252	109809	33.768	ng		98
83) Chrysene	14.074	228	404122	46.145	ng		98
84) Bis(2-ethylhexyl)phtha...	14.015	149	261813	49.998	ng		98
85) Di-n-octyl phthalate	14.627	149	457677	50.658	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	266878	34.854	ng	#	96
88) Benzo(b)fluoranthene	15.092	252	394937	65.126	ng		99
89) Benzo(k)fluoranthene	15.121	252	304111	53.577	ng		98
90) Benzo(a)pyrene	15.462	252	295490	52.818	ng		98
91) Dibenzo(a,h)anthracene	17.039	278	223130	36.285	ng		98
92) Benzo(g,h,i)perylene	17.480	276	211193	34.778	ng		96

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

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