Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142970.D
Acq On : 02 Jul 2025 14:47
Operator : RC/JU
Sample : Q2458-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-67MS

Quant Time: Jul 02 15:18:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	54262	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	204360	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	107674	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	180519	20.000	ng		0.00
76) Chrysene-d12	14.051	240	104217	20.000	ng		0.00
86) Perylene-d12	15.545	264	110887	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	258644	79.360	ng		0.00
7) Phenol-d6	6.504	99	311719	81.068	ng		0.00
23) Nitrobenzene-d5	7.440	82	189163	50.772	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	98863	89.223	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	418632	51.075	ng		-0.01
79) Terphenyl-d14	12.992	244	377340	50.027	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	50058	38.401	ng		99
3) Pyridine	3.416	79	133722	40.918	ng		99
4) n-Nitrosodimethylamine	3.369	42	74305	43.969	ng		100
6) Aniline	6.534	93	157245	30.734	ng	#	85
8) 2-Chlorophenol	6.657	128	165164	46.979	ng		97
9) Benzaldehyde	6.422	77	66411	29.112	ng		99
10) Phenol	6.522	94	195825	45.816	ng		93
11) bis(2-Chloroethyl)ether	6.604	93	142030	46.494	ng		99
12) 1,3-Dichlorobenzene	6.816	146	179443	45.638	ng		99
13) 1,4-Dichlorobenzene	6.893	146	182383	45.976	ng		99
14) 1,2-Dichlorobenzene	7.040	146	171473	45.573	ng		98
15) Benzyl Alcohol	7.016	79	133032	47.857	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	210155	42.819	ng		89
17) 2-Methylphenol	7.128	107	123352	46.299	ng		99
18) Hexachloroethane	7.387	117	64332	46.365	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	104156	46.574	ng		97
20) 3+4-Methylphenols	7.281	107	159344	47.969	ng		92
22) Acetophenone	7.281	105	214833	47.672	ng		98
24) Nitrobenzene	7.457	77	155967	46.251	ng		97
25) Isophorone	7.698	82	279477	46.761	ng		99
26) 2-Nitrophenol	7.775	139	89807	48.889	ng		99
27) 2,4-Dimethylphenol	7.810	122	152023m	47.777	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	176513	46.455	ng		99
29) 2,4-Dichlorophenol	8.016	162	138978	48.171	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	146938	46.316	ng		99
31) Naphthalene	8.181	128	470666	47.052	ng		100
32) Benzoic acid	7.928	122	75024	46.260	ng		96
33) 4-Chloroaniline	8.228	127	74056	18.207	ng		99
34) Hexachlorobutadiene	8.293	225	92047	47.433	ng		99
35) Caprolactam	8.604	113	40899m	53.721	ng		
36) 4-Chloro-3-methylphenol	8.716	107	139247	48.563	ng		99
37) 2-Methylnaphthalene	8.869	142	289570	46.693	ng		100
38) 1-Methylnaphthalene	8.969	142	305524	47.591	ng		99
40) 1,2,4,5-Tetrachloroben...	9.040	216	151415	47.658	ng		98
41) Hexachlorocyclopentadiene	9.022	237	159093	88.241	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	97907	47.292	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	101353	46.506	ng	98
46) 1,1'-Biphenyl	9.339	154	401217	47.171	ng	100
47) 2-Chloronaphthalene	9.363	162	300447	47.071	ng	100
48) 2-Nitroaniline	9.457	65	88162	49.267	ng	99
49) Acenaphthylene	9.781	152	495833	47.188	ng	100
50) Dimethylphthalate	9.639	163	344572	49.438	ng	100
51) 2,6-Dinitrotoluene	9.704	165	76844	50.204	ng	95
52) Acenaphthene	9.951	154	330431m	51.542	ng	
53) 3-Nitroaniline	9.869	138	46603	27.654	ng	100
54) 2,4-Dinitrophenol	9.987	184	76377	99.655	ng	96
55) Dibenzofuran	10.122	168	443336	48.225	ng	99
56) 4-Nitrophenol	10.039	139	114497	99.242	ng	96
57) 2,4-Dinitrotoluene	10.110	165	104944	51.617	ng	96
58) Fluorene	10.469	166	351193	48.915	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	87628	49.883	ng	95
60) Diethylphthalate	10.334	149	353027	51.659	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	168016	49.041	ng	99
62) 4-Nitroaniline	10.486	138	80381	52.153	ng	98
63) Azobenzene	10.616	77	314566	51.503	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	53566	49.058	ng	97
66) n-Nitrosodiphenylamine	10.575	169	300659	48.057	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	99985	48.667	ng	96
68) Hexachlorobenzene	11.016	284	111064	48.651	ng	99
69) Atrazine	11.104	200	92183	57.059	ng	100
70) Pentachlorophenol	11.216	266	105094	92.386	ng	99
71) Phenanthrene	11.433	178	477581	48.839	ng	100
72) Anthracene	11.486	178	489090	48.768	ng	99
73) Carbazole	11.639	167	431756	49.887	ng	100
74) Di-n-butylphthalate	11.963	149	518905	57.554	ng	99
75) Fluoranthene	12.622	202	456472	49.186	ng	100
77) Benzidine	12.745	184	120231	30.706	ng	99
78) Pyrene	12.851	202	446599	45.717	ng	99
80) Butylbenzylphthalate	13.463	149	160365	56.593	ng	97
81) Benzo(a)anthracene	14.045	228	342784	48.756	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	38302	16.796	ng	99
83) Chrysene	14.080	228	303931	48.447	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	205005	50.284	ng	99
85) Di-n-octyl phthalate	14.639	149	317463	41.295	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	374660	44.359	ng	99
88) Benzo(b)fluoranthene	15.110	252	330476	51.505	ng	99
89) Benzo(k)fluoranthene	15.139	252	300146	49.999	ng	99
90) Benzo(a)pyrene	15.486	252	308547	49.776	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	301867	43.987	ng	98
92) Benzo(g,h,i)perylene	17.521	276	296284	43.296	ng	98

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

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