Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142936.D
Acq On : 01 Jul 2025 01:45
Operator : RC/JU
Sample : Q2452-05MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-2MSD

Quant Time: Jul 01 03:04:16 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	65109	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	238315	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	119297	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	179320	20.000	ng		0.00
76) Chrysene-d12	14.051	240	134305	20.000	ng		0.00
86) Perylene-d12	15.545	264	149468	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	327716	83.801	ng		0.00
7) Phenol-d6	6.504	99	383644	83.152	ng		0.00
23) Nitrobenzene-d5	7.439	82	233699	53.788	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	101486	82.667	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	499547	55.009	ng		-0.01
79) Terphenyl-d14	12.986	244	379727	39.066	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	58133	37.166	ng		100
3) Pyridine	3.451	79	154883	39.498	ng		97
4) n-Nitrosodimethylamine	3.404	42	85404	42.117	ng		98
6) Aniline	6.534	93	191623	31.214	ng	#	83
8) 2-Chlorophenol	6.657	128	181628	43.056	ng		98
9) Benzaldehyde	6.422	77	77198	28.203	ng		99
10) Phenol	6.522	94	212455	41.426	ng		91
11) bis(2-Chloroethyl)ether	6.610	93	161592	44.085	ng		96
12) 1,3-Dichlorobenzene	6.816	146	204039	43.248	ng		99
13) 1,4-Dichlorobenzene	6.892	146	205127	43.095	ng		99
14) 1,2-Dichlorobenzene	7.045	146	195897	43.390	ng		100
15) Benzyl Alcohol	7.016	79	145204	43.534	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	235471	39.984	ng		89
17) 2-Methylphenol	7.128	107	135504	42.387	ng		99
18) Hexachloroethane	7.386	117	76128	45.725	ng		98
19) n-Nitroso-di-n-propyla...	7.287	70	115699	43.117	ng		98
20) 3+4-Methylphenols	7.281	107	171226	42.958	ng		94
22) Acetophenone	7.281	105	238052	45.298	ng		98
24) Nitrobenzene	7.457	77	169389	43.075	ng		98
25) Isophorone	7.698	82	305639	43.852	ng		99
26) 2-Nitrophenol	7.775	139	97513	45.521	ng		99
27) 2,4-Dimethylphenol	7.810	122	158880	42.818	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	192337	43.407	ng		99
29) 2,4-Dichlorophenol	8.016	162	145918	43.370	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	162301	43.870	ng		99
31) Naphthalene	8.181	128	509108	43.644	ng		100
32) Benzoic acid	7.928	122	80114	42.360	ng		99
33) 4-Chloroaniline	8.228	127	77198	16.275	ng		99
34) Hexachlorobutadiene	8.292	225	100108	44.237	ng		99
35) Caprolactam	8.598	113	42712	48.109	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	145593	43.542	ng		99
37) 2-Methylnaphthalene	8.869	142	310635	42.953	ng		100
38) 1-Methylnaphthalene	8.969	142	321316	42.920	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	158443	45.011	ng		99
41) Hexachlorocyclopentadiene	9.022	237	143421	71.798	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	101579	44.285	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	105305	43.612	ng	98
46) 1,1'-Biphenyl	9.333	154	423840	44.975	ng	100
47) 2-Chloronaphthalene	9.363	162	312711	44.219	ng	100
48) 2-Nitroaniline	9.457	65	87115	43.939	ng	97
49) Acenaphthylene	9.780	152	509949	43.803	ng	99
50) Dimethylphthalate	9.633	163	365257	47.300	ng	100
51) 2,6-Dinitrotoluene	9.698	165	78915	46.534	ng	100
52) Acenaphthene	9.951	154	324495m	45.684	ng	
53) 3-Nitroaniline	9.869	138	51275	27.462	ng	100
54) 2,4-Dinitrophenol	9.980	184	62826	73.987	ng	97
55) Dibenzofuran	10.122	168	433984	42.608	ng	100
56) 4-Nitrophenol	10.039	139	105102	82.223	ng	97
57) 2,4-Dinitrotoluene	10.104	165	102650	45.570	ng	98
58) Fluorene	10.463	166	340919	42.858	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	81707	41.981	ng	95
60) Diethylphthalate	10.333	149	360712	47.641	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	164811	43.419	ng	99
62) 4-Nitroaniline	10.486	138	69304	40.585	ng	98
63) Azobenzene	10.616	77	300117	44.350	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	45437	41.891	ng	96
66) n-Nitrosodiphenylamine	10.575	169	293179	47.174	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	97349	47.701	ng	96
68) Hexachlorobenzene	11.016	284	100981	44.530	ng	98
69) Atrazine	11.104	200	88977	55.442	ng	99
70) Pentachlorophenol	11.210	266	100681	89.098	ng	99
71) Phenanthrene	11.427	178	427926	44.054	ng	99
72) Anthracene	11.480	178	438083	43.974	ng	100
73) Carbazole	11.639	167	378390	44.014	ng	100
74) Di-n-butylphthalate	11.963	149	498081	55.614	ng	99
75) Fluoranthene	12.621	202	409815	44.454	ng	99
77) Benzidine	12.739	184	158722	31.455	ng	99
78) Pyrene	12.851	202	417649	33.176	ng	100
80) Butylbenzylphthalate	13.463	149	183566	50.268	ng	96
81) Benzo(a)anthracene	14.039	228	395510	43.653	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	66374	22.586	ng	100
83) Chrysene	14.080	228	379673	46.962	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	261127	49.700	ng	100
85) Di-n-octyl phthalate	14.639	149	462756	46.709	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	337354	29.632	ng	98
88) Benzo(b)fluoranthene	15.104	252	446984	51.681	ng	99
89) Benzo(k)fluoranthene	15.133	252	374269	46.254	ng	99
90) Benzo(a)pyrene	15.480	252	383478	45.896	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	281717	30.455	ng	98
92) Benzo(g,h,i)perylene	17.509	276	253525	27.485	ng	98

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

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