Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143450.D
Acq On : 19 Aug 2025 12:04
Operator : RC/JU
Sample : Q2873-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMPMSD

Quant Time: Aug 19 12:36:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	124558	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	459157	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	257230	20.000	ng		0.00
64) Phenanthrene-d10	11.445	188	322762	20.000	ng		0.00
76) Chrysene-d12	14.086	240	226805	20.000	ng		0.00
86) Perylene-d12	15.574	264	281296	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	614205	85.718	ng		0.01
7) Phenol-d6	6.557	99	767574	85.002	ng		0.00
23) Nitrobenzene-d5	7.487	82	502103	64.889	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	182720	79.806	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	974033	63.691	ng		0.00
79) Terphenyl-d14	13.027	244	669799	49.609	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	154145	44.692	ng		99
3) Pyridine	3.581	79	413358	45.695	ng		97
4) n-Nitrosodimethylamine	3.522	42	218738	52.023	ng		100
6) Aniline	6.587	93	369157	30.113	ng	#	81
8) 2-Chlorophenol	6.716	128	363094	45.899	ng		99
9) Benzaldehyde	6.475	77	207612	43.218	ng		100
10) Phenol	6.575	94	459973	43.652	ng		99
11) bis(2-Chloroethyl)ether	6.657	93	353746	45.289	ng		99
12) 1,3-Dichlorobenzene	6.869	146	416195	46.967	ng		99
13) 1,4-Dichlorobenzene	6.945	146	417488	47.190	ng		99
14) 1,2-Dichlorobenzene	7.098	146	402654	47.651	ng		98
15) Benzyl Alcohol	7.063	79	319567	47.988	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.198	45	598540	44.823	ng		98
17) 2-Methylphenol	7.181	107	294416	45.615	ng		99
18) Hexachloroethane	7.439	117	140191	46.554	ng		99
19) n-Nitroso-di-n-propyla...	7.334	70	256690	45.917	ng		98
20) 3+4-Methylphenols	7.334	107	346937	44.964	ng		99
22) Acetophenone	7.328	105	481389	48.762	ng		99
24) Nitrobenzene	7.504	77	395462	48.899	ng		99
25) Isophorone	7.745	82	707087	47.745	ng		99
26) 2-Nitrophenol	7.822	139	192385	51.315	ng		99
27) 2,4-Dimethylphenol	7.857	122	282110	44.505	ng		98
28) bis(2-Chloroethoxy)met...	7.951	93	427250	46.936	ng		100
29) 2,4-Dichlorophenol	8.069	162	307783	47.631	ng		98
30) 1,2,4-Trichlorobenzene	8.151	180	332900	50.280	ng		100
31) Naphthalene	8.228	128	1023139	46.936	ng		100
32) Benzoic acid	7.981	122	163943	49.729	ng		98
33) 4-Chloroaniline	8.275	127	118964	15.119	ng		98
34) Hexachlorobutadiene	8.351	225	206112	48.819	ng		99
35) Caprolactam	8.639	113	87488	47.027	ng		97
36) 4-Chloro-3-methylphenol	8.763	107	325920	48.973	ng		99
37) 2-Methylnaphthalene	8.922	142	656872	44.705	ng		99
38) 1-Methylnaphthalene	9.022	142	671278	47.683	ng		99
40) 1,2,4,5-Tetrachloroben...	9.086	216	345821	48.206	ng		99
41) Hexachlorocyclopentadiene	9.075	237	318244	118.207	ng		98
43) 2,4,6-Trichlorophenol	9.198	196	218023	48.720	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	228826	47.703	ng	99
46) 1,1'-Biphenyl	9.381	154	880833	48.736	ng	100
47) 2-Chloronaphthalene	9.410	162	674536	47.281	ng	99
48) 2-Nitroaniline	9.498	65	201491	47.459	ng	98
49) Acenaphthylene	9.822	152	1064862	51.697	ng	100
50) Dimethylphthalate	9.681	163	778054	48.516	ng	99
51) 2,6-Dinitrotoluene	9.739	165	166259	52.590	ng	97
52) Acenaphthene	9.998	154	673086	48.585	ng	99
53) 3-Nitroaniline	9.910	138	95330	27.070	ng	98
54) 2,4-Dinitrophenol	10.022	184	137749	92.733	ng	99
55) Dibenzofuran	10.169	168	897495	44.908	ng	99
56) 4-Nitrophenol	10.080	139	194002	87.625	ng	98
57) 2,4-Dinitrotoluene	10.145	165	214017	50.776	ng	99
58) Fluorene	10.510	166	642506	41.848	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	169437	46.662	ng	98
60) Diethylphthalate	10.375	149	664812	44.860	ng	100
61) 4-Chlorophenyl-phenyle...	10.498	204	326731	43.043	ng	100
62) 4-Nitroaniline	10.522	138	128513	39.021	ng	98
63) Azobenzene	10.657	77	689523	46.034	ng	98
65) 4,6-Dinitro-2-methylph...	10.557	198	95734	57.486	ng	99
66) n-Nitrosodiphenylamine	10.616	169	552606	52.656	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	198982	52.207	ng	99
68) Hexachlorobenzene	11.063	284	206631	50.996	ng	100
69) Atrazine	11.139	200	164848	53.703	ng	99
70) Pentachlorophenol	11.257	266	192320	107.930	ng	99
71) Phenanthrene	11.475	178	836985	47.888	ng	100
72) Anthracene	11.522	178	839872	47.576	ng	100
73) Carbazole	11.674	167	666136	44.616	ng	100
74) Di-n-butylphthalate	12.004	149	880399	59.214	ng	100
75) Fluoranthene	12.663	202	701406	45.164	ng	100
77) Benzidine	12.774	184	162975	24.063	ng	99
78) Pyrene	12.886	202	699804	35.499	ng	100
80) Butylbenzylphthalate	13.498	149	276906	56.711	ng	99
81) Benzo(a)anthracene	14.074	228	687251	47.595	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	126949	30.028	ng	98
83) Chrysene	14.116	228	658665	49.341	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	384878	55.504	ng	99
85) Di-n-octyl phthalate	14.668	149	712165	50.636	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	700088	33.188	ng	99
88) Benzo(b)fluoranthene	15.139	252	858196	56.923	ng	99
89) Benzo(k)fluoranthene	15.168	252	686212	46.147	ng	99
90) Benzo(a)pyrene	15.515	252	733985	51.115	ng	100
91) Dibenzo(a,h)anthracene	17.109	278	568407	33.554	ng	99
92) Benzo(g,h,i)perylene	17.551	276	530004	31.319	ng	100

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

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