Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
Data File : BF141262.D
Acq On : 24 Jan 2025 15:09
Operator : RC/JU
Sample : Q1169-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPILL-SITEMSD

Quant Time: Jan 25 01:01:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.804	152	144006	20.000	ng		-0.02
21) Naphthalene-d8	8.087	136	571039	20.000	ng		-0.02
39) Acenaphthene-d10	9.845	164	308120	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	493766	20.000	ng		-0.01
76) Chrysene-d12	13.980	240	341560	20.000	ng		0.00
86) Perylene-d12	15.445	264	390286	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	737914	79.159	ng		0.00
7) Phenol-d6	6.440	99	929306	78.700	ng		0.00
23) Nitrobenzene-d5	7.363	82	584372	54.246	ng		-0.02
42) 2,4,6-Tribromophenol	10.634	330	317904	90.550	ng		-0.02
45) 2-Fluorobiphenyl	9.163	172	1150691	57.028	ng		-0.02
79) Terphenyl-d14	12.916	244	1131429	49.234	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.587	88	174361	42.002	ng	#	77
3) Pyridine	3.328	79	444567	43.672	ng		95
4) n-Nitrosodimethylamine	3.263	42	224391	45.081	ng		96
6) Aniline	6.469	93	329558	31.435	ng	#	87
8) 2-Chlorophenol	6.593	128	494798	49.473	ng		96
9) Benzaldehyde	6.351	77	50842	7.310	ng		96
10) Phenol	6.451	94	595642	47.123	ng		95
11) bis(2-Chloroethyl)ether	6.540	93	449611	47.729	ng		96
12) 1,3-Dichlorobenzene	6.746	146	517946	46.433	ng		99
13) 1,4-Dichlorobenzene	6.822	146	525735	46.771	ng		99
14) 1,2-Dichlorobenzene	6.975	146	503528	48.023	ng		97
15) Benzyl Alcohol	6.946	79	421604	49.440	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	603230	45.889	ng		95
17) 2-Methylphenol	7.057	107	385744	47.773	ng		99
18) Hexachloroethane	7.316	117	193205	47.530	ng		97
19) n-Nitroso-di-n-propyla...	7.216	70	322815	46.409	ng		98
20) 3+4-Methylphenols	7.210	107	472873	46.420	ng	#	82
22) Acetophenone	7.216	105	628769	46.318	ng		98
24) Nitrobenzene	7.387	77	497869	44.344	ng		97
25) Isophorone	7.628	82	904016	49.105	ng		99
26) 2-Nitrophenol	7.704	139	263514	51.597	ng		98
27) 2,4-Dimethylphenol	7.740	122	392460	56.971	ng		99
28) bis(2-Chloroethoxy)met...	7.840	93	547929	47.425	ng		99
29) 2,4-Dichlorophenol	7.945	162	405483	49.560	ng		99
30) 1,2,4-Trichlorobenzene	8.028	180	429028	45.876	ng		100
31) Naphthalene	8.110	128	1407998	46.755	ng		100
32) Benzoic acid	7.863	122	320925	48.564	ng		97
33) 4-Chloroaniline	8.157	127	164763	15.820	ng		99
34) Hexachlorobutadiene	8.228	225	267214	47.420	ng		99
35) Caprolactam	8.522	113	127226m	47.497	ng		
36) 4-Chloro-3-methylphenol	8.640	107	434838	48.597	ng		100
37) 2-Methylnaphthalene	8.798	142	941866	49.081	ng		99
38) 1-Methylnaphthalene	8.898	142	865648	45.772	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	434294	49.108	ng		100
41) Hexachlorocyclopentadiene	8.951	237	468408	161.892	ng		99
43) 2,4,6-Trichlorophenol	9.081	196	297109	49.813	ng		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	305256	48.459	ng	98
46) 1,1'-Biphenyl	9.263	154	1146699	47.922	ng	100
47) 2-Chloronaphthalene	9.292	162	867705	46.557	ng	99
48) 2-Nitroaniline	9.387	65	267867	48.485	ng	97
49) Acenaphthylene	9.704	152	1342372	50.413	ng	100
50) Dimethylphthalate	9.569	163	1053559	50.933	ng	100
51) 2,6-Dinitrotoluene	9.628	165	234320	48.712	ng	99
52) Acenaphthene	9.881	154	1005670	54.059	ng	99
53) 3-Nitroaniline	9.798	138	131469	26.895	ng	99
54) 2,4-Dinitrophenol	9.904	184	262147	114.654	ng	95
55) Dibenzofuran	10.051	168	1220749	48.243	ng	100
56) 4-Nitrophenol	9.963	139	388856	101.573	ng	98
57) 2,4-Dinitrotoluene	10.034	165	315753	50.935	ng	99
58) Fluorene	10.392	166	944796	48.060	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	268245	51.231	ng	99
60) Diethylphthalate	10.269	149	1031805	51.094	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	467332	48.775	ng	99
62) 4-Nitroaniline	10.416	138	230100	48.094	ng	99
63) Azobenzene	10.545	77	1008538	50.614	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	177174	61.922	ng	98
66) n-Nitrosodiphenylamine	10.504	169	846663	53.162	ng	99
67) 4-Bromophenyl-phenylether	10.881	248	312478	54.968	ng	95
68) Hexachlorobenzene	10.939	284	333888	52.762	ng	100
69) Atrazine	11.034	200	292193	68.138	ng	99
70) Pentachlorophenol	11.139	266	397935	98.193	ng	99
71) Phenanthrene	11.357	178	1408704	53.141	ng	99
72) Anthracene	11.410	178	1400869	54.348	ng	100
73) Carbazole	11.563	167	1179615	49.910	ng	100
74) Di-n-butylphthalate	11.898	149	1502080	55.534	ng	100
75) Fluoranthene	12.545	202	1383806	52.312	ng	99
77) Benzidine	12.669	184	420058	66.318	ng	99
78) Pyrene	12.775	202	1374558	42.134	ng	100
80) Butylbenzylphthalate	13.398	149	528018	48.545	ng	97
81) Benzo(a)anthracene	13.969	228	1154633	49.672	ng	100
82) 3,3'-Dichlorobenzidine	13.933	252	258259	34.892	ng	99
83) Chrysene	14.004	228	1076303	49.485	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	689209	52.810	ng	100
85) Di-n-octyl phthalate	14.592	149	1204794	61.134	ng	97
87) Indeno(1,2,3-cd)pyrene	16.904	276	1285168	44.946	ng	99
88) Benzo(b)fluoranthene	15.027	252	1237142	49.157	ng	100
89) Benzo(k)fluoranthene	15.057	252	1102497	51.838	ng	99
90) Benzo(a)pyrene	15.386	252	1135658	54.693	ng	100
91) Dibenzo(a,h)anthracene	16.921	278	1050244	45.413	ng	99
92) Benzo(g,h,i)perylene	17.339	276	911679	37.900	ng	99

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

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