Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121322\
Data File : BF131617.D
Acq On : 13 Dec 2022 17:44
Operator : CG\JU
Sample : N5964-02MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 14 03:34:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 14 03:22:29 2022
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-01MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	53394	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	194519	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	112114	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	226151	20.000	ng	0.00
76) Chrysene-d12	14.086	240	131029	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	120205	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	475583	148.595	ng	0.02
7) Phenol-d6	6.528	99	576936	137.560	ng	0.00
23) Nitrobenzene-d5	7.451	82	466704	90.709	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	209341	168.062	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	798760	89.831	ng	0.00
79) Terphenyl-d14	13.027	244	1024878	107.268	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	68554	47.454	ng	# 80
3) Pyridine	3.528	79	171342	42.720	ng	96
4) n-Nitrosodimethylamine	3.469	42	100219	45.307	ng	87
6) Aniline	6.545	93	164303	32.756	ng	# 78
8) 2-Chlorophenol	6.675	128	175728	51.811	ng	92
9) Benzaldehyde	6.434	77	69140	24.064	ng	95
10) Phenol	6.540	94	222038m	47.462	ng	
11) bis(2-Chloroethyl)ether	6.622	93	190518	54.328	ng	98
12) 1,3-Dichlorobenzene	6.822	146	185856	47.263	ng	100
13) 1,4-Dichlorobenzene	6.904	146	188826	47.606	ng	98
14) 1,2-Dichlorobenzene	7.051	146	183141	48.335	ng	98
15) Benzyl Alcohol	7.028	79	197061	51.251	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	225492	49.779	ng	90
17) 2-Methylphenol	7.145	107	160517	52.512	ng	97
18) Hexachloroethane	7.398	117	74565	46.602	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	153839	48.917	ng	98
20) 3+4-Methylphenols	7.298	107	201283	48.345	ng	# 71
22) Acetophenone	7.298	105	297808	48.855	ng	96
24) Nitrobenzene	7.475	77	244578	47.131	ng	91
25) Isophorone	7.710	82	424077	51.171	ng	99
26) 2-Nitrophenol	7.787	139	96749	54.672	ng	94
27) 2,4-Dimethylphenol	7.828	122	157678	58.132	ng	97
28) bis(2-Chloroethoxy)met...	7.922	93	233615	54.492	ng	98
29) 2,4-Dichlorophenol	8.034	162	164107	48.932	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	183486	44.612	ng	99
31) Naphthalene	8.198	128	509422	46.497	ng	99
32) Benzoic acid	7.945	122	95776	48.757	ng	91
33) 4-Chloroaniline	8.245	127	99440	24.214	ng	99
34) Hexachlorobutadiene	8.304	225	123312	42.541	ng	98
35) Caprolactam	8.622	113	41987m	48.397	ng	
36) 4-Chloro-3-methylphenol	8.734	107	193594	51.406	ng	100
37) 2-Methylnaphthalene	8.886	142	352542	47.052	ng	100
38) 1-Methylnaphthalene	8.986	142	330998	46.019	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	201664	48.591	ng	99
41) Hexachlorocyclopentadiene	9.039	237	204224	96.948	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	127751	49.766	ng	97

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121322\
Data File : BF131617.D
Acq On : 13 Dec 2022 17:44
Operator : CG\JU
Sample : N5964-02MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 14 03:34:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 14 03:22:29 2022
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-01MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	141124	51.119 ng		96
46) 1,1'-Biphenyl	9.357	154	448071	50.548 ng		99
47) 2-Chloronaphthalene	9.381	162	360463	49.911 ng		98
48) 2-Nitroaniline	9.481	65	134824	52.699 ng		95
49) Acenaphthylene	9.804	152	542567	51.165 ng		99
50) Dimethylphthalate	9.663	163	434193	50.803 ng		99
51) 2,6-Dinitrotoluene	9.728	165	97193	55.085 ng	#	75
52) Acenaphthene	9.975	154	388113m	54.634 ng		
53) 3-Nitroaniline	9.898	138	63520	37.522 ng		98
54) 2,4-Dinitrophenol	10.004	184	93214	91.658 ng		97
55) Dibenzofuran	10.145	168	514426	51.251 ng		98
56) 4-Nitrophenol	10.069	139	135398	115.131 ng		85
57) 2,4-Dinitrotoluene	10.133	165	134640	57.525 ng		96
58) Fluorene	10.492	166	406886	49.863 ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	121553m	51.995 ng		
60) Diethylphthalate	10.363	149	411121	50.127 ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	217728	48.283 ng		98
62) 4-Nitroaniline	10.522	138	94374	56.256 ng		92
63) Azobenzene	10.645	77	454772	48.616 ng		97
65) 4,6-Dinitro-2-methylph...	10.539	198	67352	47.021 ng		97
66) n-Nitrosodiphenylamine	10.604	169	347070	47.470 ng		99
67) 4-Bromophenyl-phenylether	10.975	248	131019	45.035 ng		97
68) Hexachlorobenzene	11.039	284	148276	47.119 ng		99
69) Atrazine	11.133	200	134771	58.047 ng		97
70) Pentachlorophenol	11.239	266	157162	97.012 ng		98
71) Phenanthrene	11.463	178	616009	48.869 ng		100
72) Anthracene	11.510	178	624604	50.930 ng		100
73) Carbazole	11.669	167	556143	55.557 ng		100
74) Di-n-butylphthalate	11.992	149	624191	50.826 ng		100
75) Fluoranthene	12.657	202	697449	53.732 ng		100
77) Benzidine	12.774	184	127180	36.226 ng		99
78) Pyrene	12.886	202	711571	55.074 ng		99
80) Butylbenzylphthalate	13.504	149	234065	62.601 ng		98
81) Benzo(a)anthracene	14.080	228	498730	52.707 ng		99
82) 3,3'-Dichlorobenzidine	14.039	252	108950	40.469 ng		96
83) Chrysene	14.116	228	455685	50.655 ng		98
84) Bis(2-ethylhexyl)phtha...	14.063	149	279394	54.417 ng		97
85) Di-n-octyl phthalate	14.680	149	367296	44.440 ng		98
87) Indeno(1,2,3-cd)pyrene	17.121	276	486891	49.632 ng		99
88) Benzo(b)fluoranthene	15.145	252	406460	51.304 ng		100
89) Benzo(k)fluoranthene	15.180	252	392219	47.431 ng		99
90) Benzo(a)pyrene	15.527	252	359022	53.101 ng		99
91) Dibenzo(a,h)anthracene	17.145	278	414471	51.335 ng		99
92) Benzo(g,h,i)perylene	17.592	276	420442	51.814 ng		98

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

Quantitation Report (QT Reviewed)

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121322\
Data File : BF131617.D
Acq On    : 13 Dec 2022  17:44
Operator  : CG\JU
Sample    : N5964-02MSD
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Dec 14 03:34:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 14 03:22:29 2022
Response via : Initial Calibration
```

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-01MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022