Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
Data File : BF134059.D
Acq On : 30 Jun 2023 18:53
Operator : CG\JU
Sample : 03428-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

Quant Time: Jun 30 19:15:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 30 18:35:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	102799	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	400175	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	205285	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	399019	20.000	ng		0.00
76) Chrysene-d12	14.039	240	176919	20.000	ng		-0.01
86) Perylene-d12	15.545	264	217312	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	829247	134.937	ng		0.02
7) Phenol-d6	6.492	99	947122	125.319	ng		0.00
23) Nitrobenzene-d5	7.416	82	742451	100.011	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	381055	148.048	ng		0.00
45) 2-Fluorobiphenyl	9.210	172	1360426	96.350	ng		0.00
79) Terphenyl-d14	12.980	244	1460068	132.821	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.828	88	105791	41.749	ng	#	79
3) Pyridine	3.569	79	252737	38.292	ng		95
4) n-Nitrosodimethylamine	3.498	42	187953	49.859	ng		96
6) Aniline	6.516	93	227696m	24.758	ng		
8) 2-Chlorophenol	6.639	128	327861	52.556	ng		96
9) Benzaldehyde	6.404	77	120789	26.579	ng		99
10) Phenol	6.504	94	340409	42.838	ng		94
11) bis(2-Chloroethyl)ether	6.586	93	299345	51.168	ng		99
12) 1,3-Dichlorobenzene	6.792	146	328337	49.368	ng		97
13) 1,4-Dichlorobenzene	6.863	146	334252	49.757	ng		99
14) 1,2-Dichlorobenzene	7.016	146	319640	50.806	ng		99
15) Benzyl Alcohol	6.992	79	307561	52.788	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	514716	49.732	ng		94
17) 2-Methylphenol	7.104	107	266883	47.774	ng		98
18) Hexachloroethane	7.357	117	125561	50.409	ng		97
19) n-Nitroso-di-n-propyla...	7.263	70	244150	50.941	ng		98
20) 3+4-Methylphenols	7.257	107	328212	48.429	ng	#	81
22) Acetophenone	7.257	105	458550	50.385	ng		97
24) Nitrobenzene	7.433	77	362423	48.311	ng		96
25) Isophorone	7.669	82	660767	48.975	ng		97
26) 2-Nitrophenol	7.745	139	183736	51.056	ng		95
27) 2,4-Dimethylphenol	7.786	122	299804	52.629	ng		100
28) bis(2-Chloroethoxy)met...	7.875	93	388895	49.780	ng		99
29) 2,4-Dichlorophenol	7.992	162	289248	51.206	ng		96
30) 1,2,4-Trichlorobenzene	8.069	180	289432	49.657	ng		99
31) Naphthalene	8.151	128	918164	47.500	ng		100
32) Benzoic acid	7.945	122	184343	43.186	ng		97
33) 4-Chloroaniline	8.198	127	145882	17.643	ng		98
34) Hexachlorobutadiene	8.263	225	183816	49.995	ng		99
35) Caprolactam	8.580	113	81047m	43.575	ng		
36) 4-Chloro-3-methylphenol	8.692	107	320665	50.532	ng		99
37) 2-Methylnaphthalene	8.845	142	631109	46.170	ng		98
38) 1-Methylnaphthalene	8.945	142	597196	46.996	ng		99
40) 1,2,4,5-Tetrachloroben...	9.010	216	301087	49.505	ng		98
41) Hexachlorocyclopentadiene	8.992	237	317885	110.171	ng		99
43) 2,4,6-Trichlorophenol	9.127	196	207915	50.219	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	228945	47.011	ng		97
46) 1,1'-Biphenyl	9.310	154	807915	49.062	ng		98
47) 2-Chloronaphthalene	9.333	162	552562	45.862	ng		96
48) 2-Nitroaniline	9.433	65	223668	50.937	ng		97
49) Acenaphthylene	9.751	152	1004539	48.807	ng		99
50) Dimethylphthalate	9.616	163	755535	50.701	ng		100
51) 2,6-Dinitrotoluene	9.680	165	167513	52.192	ng		98
52) Acenaphthene	9.922	154	592619	49.622	ng		100
53) 3-Nitroaniline	9.845	138	117041	30.397	ng		98
54) 2,4-Dinitrophenol	9.963	184	163472	87.798	ng		93
55) Dibenzofuran	10.098	168	904372	48.454	ng		99
56) 4-Nitrophenol	10.022	139	229011	85.029	ng		94
57) 2,4-Dinitrotoluene	10.086	165	217982	51.427	ng		90
58) Fluorene	10.439	166	724329	49.882	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.216	232	196230	51.082	ng		97
60) Diethylphthalate	10.316	149	797564	51.372	ng		99
61) 4-Chlorophenyl-phenyle...	10.433	204	345615	49.389	ng		99
62) 4-Nitroaniline	10.469	138	176103	45.382	ng		93
63) Azobenzene	10.592	77	737361	50.210	ng		96
65) 4,6-Dinitro-2-methylph...	10.498	198	112269	51.608	ng		91
66) n-Nitrosodiphenylamine	10.557	169	647444	50.785	ng		99
67) 4-Bromophenyl-phenylether	10.921	248	222614	52.490	ng		92
68) Hexachlorobenzene	10.992	284	246921	54.834	ng		94
69) Atrazine	11.086	200	209246	59.337	ng		99
70) Pentachlorophenol	11.186	266	234629	87.143	ng		99
71) Phenanthrene	11.410	178	1005036	50.033	ng		100
72) Anthracene	11.463	178	1045331	50.032	ng		100
73) Carbazole	11.616	167	933430	48.810	ng		98
74) Di-n-butylphthalate	11.945	149	1224261	53.834	ng		99
75) Fluoranthene	12.604	202	984404	45.330	ng		99
77) Benzidine	12.727	184	200887	47.720	ng		98
78) Pyrene	12.833	202	960782	58.354	ng		99
80) Butylbenzylphthalate	13.457	149	377812	61.184	ng		97
81) Benzo(a)anthracene	14.033	228	619519	50.492	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	159062	40.919	ng	#	96
83) Chrysene	14.068	228	582132	48.985	ng		99
84) Bis(2-ethylhexyl)phtha...	14.015	149	456988	64.405	ng		99
85) Di-n-octyl phthalate	14.639	149	693773	66.543	ng		99
87) Indeno(1,2,3-cd)pyrene	17.098	276	866272	57.448	ng		98
88) Benzo(b)fluoranthene	15.104	252	653386	51.133	ng		99
89) Benzo(k)fluoranthene	15.133	252	623725	47.942	ng		98
90) Benzo(a)pyrene	15.480	252	602367	48.750	ng		99
91) Dibenzo(a,h)anthracene	17.121	278	710642	57.698	ng		97
92) Benzo(g,h,i)perylene	17.574	276	698956	55.030	ng		98

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

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