

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
 Data File : BF134304.D
 Acq On : 14 Jul 2023 23:09
 Operator : CG\JU
 Sample : 03592-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 15 01:15:01 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jul 14 22:51:27 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	71281	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	276061	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	136850	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	259295	20.000	ng	0.00
76) Chrysene-d12	14.045	240	165682	20.000	ng	0.00
86) Perylene-d12	15.545	264	141729	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	457494	107.361	ng	0.01
7) Phenol-d6	6.487	99	542509	103.522	ng	0.00
23) Nitrobenzene-d5	7.410	82	380638	74.326	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	185264	107.974	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	698965	74.258	ng	0.00
79) Terphenyl-d14	12.974	244	700032	68.000	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	71951	40.950	ng	97
3) Pyridine	3.434	79	170897	37.341	ng	96
4) n-Nitrosodimethylamine	3.393	42	116479	44.561	ng	96
6) Aniline	6.510	93	260585	40.863	ng	94
8) 2-Chlorophenol	6.634	128	210265	48.608	ng	93
9) Benzaldehyde	6.398	77	135310	50.338	ng	96
10) Phenol	6.498	94	256116	46.482	ng	90
11) bis(2-Chloroethyl)ether	6.581	93	188338	46.428	ng	98
12) 1,3-Dichlorobenzene	6.786	146	231676	50.237	ng	96
13) 1,4-Dichlorobenzene	6.863	146	232041	49.815	ng	99
14) 1,2-Dichlorobenzene	7.010	146	222127	50.918	ng	100
15) Benzyl Alcohol	6.986	79	196390	48.612	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	306653	42.730	ng	91
17) 2-Methylphenol	7.104	107	171685	44.322	ng	94
18) Hexachloroethane	7.351	117	85949	49.764	ng	96
19) n-Nitroso-di-n-propyla...	7.257	70	154548	46.504	ng	99
20) 3+4-Methylphenols	7.257	107	217260	46.233	ng	94
22) Acetophenone	7.251	105	303558	48.350	ng	# 97
24) Nitrobenzene	7.428	77	235221	45.452	ng	94
25) Isophorone	7.663	82	411686	44.232	ng	98
26) 2-Nitrophenol	7.745	139	115622	46.573	ng	98
27) 2,4-Dimethylphenol	7.781	122	180431	45.914	ng	96
28) bis(2-Chloroethoxy)met...	7.875	93	241669	44.842	ng	98
29) 2,4-Dichlorophenol	7.986	162	175344	44.997	ng	97
30) 1,2,4-Trichlorobenzene	8.063	180	195114	48.525	ng	98
31) Naphthalene	8.145	128	599880	44.987	ng	100
32) Benzoic acid	7.910	122	123875m	42.067	ng	
33) 4-Chloroaniline	8.198	127	175348	30.741	ng	97
34) Hexachlorobutadiene	8.257	225	126205	49.758	ng	99
35) Caprolactam	8.575	113	58715m	45.761	ng	
36) 4-Chloro-3-methylphenol	8.686	107	201823	46.103	ng	98
37) 2-Methylnaphthalene	8.839	142	401149	42.541	ng	98
38) 1-Methylnaphthalene	8.939	142	375279	42.810	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	198030	48.843	ng	98
41) Hexachlorocyclopentadiene	8.986	237	76413	39.726	ng	98
43) 2,4,6-Trichlorophenol	9.122	196	127772	46.294	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	137933	42.486	ng	99
46) 1,1'-Biphenyl	9.304	154	503042	45.824	ng	98
47) 2-Chloronaphthalene	9.328	162	373410	46.491	ng	97
48) 2-Nitroaniline	9.427	65	131450	44.906	ng	97
49) Acenaphthylene	9.745	152	608713	44.365	ng	100
50) Dimethylphthalate	9.610	163	455401	45.843	ng	99
51) 2,6-Dinitrotoluene	9.675	165	99273	46.398	ng	93
52) Acenaphthene	9.916	154	361821	45.447	ng	98
53) 3-Nitroaniline	9.845	138	97546	38.002	ng	99
54) 2,4-Dinitrophenol	9.957	184	61960	51.586	ng	91
55) Dibenzofuran	10.092	168	548251	44.063	ng	99
56) 4-Nitrophenol	10.016	139	152332	84.843	ng	87
57) 2,4-Dinitrotoluene	10.086	165	130724	46.264	ng	# 89
58) Fluorene	10.433	166	442524	45.715	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.210	232	115763	45.205	ng	99
60) Diethylphthalate	10.310	149	475380	45.932	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	215614	46.220	ng	99
62) 4-Nitroaniline	10.463	138	97665	37.755	ng	89
63) Azobenzene	10.586	77	436008	44.536	ng	96
65) 4,6-Dinitro-2-methylph...	10.492	198	47240	33.417	ng	82
66) n-Nitrosodiphenylamine	10.551	169	384411	46.401	ng	98
67) 4-Bromophenyl-phenylether	10.916	248	130934	47.509	ng	# 89
68) Hexachlorobenzene	10.986	284	147706	50.477	ng	96
69) Atrazine	11.080	200	129504	56.513	ng	98
70) Pentachlorophenol	11.186	266	136615	78.082	ng	99
71) Phenanthrene	11.404	178	622329	47.676	ng	99
72) Anthracene	11.457	178	607515	44.746	ng	100
73) Carbazole	11.616	167	566291	45.569	ng	98
74) Di-n-butylphthalate	11.939	149	729033	49.332	ng	99
75) Fluoranthene	12.604	202	754235	53.447	ng	97
77) Benzidine	12.727	184	382836	97.110	ng	99
78) Pyrene	12.833	202	734154	47.614	ng	99
80) Butylbenzylphthalate	13.451	149	278689	48.192	ng	99
81) Benzo(a)anthracene	14.033	228	586169	51.014	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	195034	53.575	ng	98
83) Chrysene	14.068	228	522512	46.950	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	369560	55.616	ng	98
85) Di-n-octyl phthalate	14.633	149	613600	62.845	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	387216	39.373	ng	96
88) Benzo(b)fluoranthene	15.104	252	459124	55.092	ng	98
89) Benzo(k)fluoranthene	15.133	252	425982	50.204	ng	97
90) Benzo(a)pyrene	15.480	252	364631	45.247	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	321496	40.023	ng	96
92) Benzo(g,h,i)perylene	17.568	276	308223	37.208	ng	97

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

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