

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135404.D
 Acq On : 22 Sep 2023 17:34
 Operator : CG\JU
 Sample : 04474-03MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-2313-SOILMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2023
 Supervised By :mohammad ahmed 09/27/2023

Quant Time: Sep 23 04:55:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	158720	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	609048	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	288649	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	496655	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	247317	20.000	ng	0.00
86) Perylene-d12	15.410	264	333745	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1056075	108.219	ng	0.02
7) Phenol-d6	6.410	99	1260292	101.565	ng	0.00
23) Nitrobenzene-d5	7.328	82	943150	84.133	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	289749	101.012	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1534746	80.219	ng	-0.01
79) Terphenyl-d14	12.880	244	1243018	77.913	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.658	88	184509	43.130	ng	# 78
3) Pyridine	3.393	79	376408	32.692	ng	95
4) n-Nitrosodimethylamine	3.322	42	284030	46.487	ng	89
6) Aniline	6.428	93	332298	20.421	ng	# 30
8) 2-Chlorophenol	6.551	128	462034	44.352	ng	97
9) Benzaldehyde	6.316	77	82798	11.713	ng	99
10) Phenol	6.422	94	491695	36.136	ng	97
11) bis(2-Chloroethyl)ether	6.504	93	497659	48.759	ng	99
12) 1,3-Dichlorobenzene	6.699	146	450792	42.579	ng	97
13) 1,4-Dichlorobenzene	6.775	146	448005	41.592	ng	99
14) 1,2-Dichlorobenzene	6.928	146	425909	42.578	ng	98
15) Benzyl Alcohol	6.910	79	402896	45.247	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.040	45	853775	44.379	ng	89
17) 2-Methylphenol	7.022	107	359999	39.160	ng	95
18) Hexachloroethane	7.263	117	169424	42.570	ng	91
19) n-Nitroso-di-n-propyla...	7.175	70	311535	40.533	ng	94
20) 3+4-Methylphenols	7.181	107	414287	37.478	ng	# 78
22) Acetophenone	7.169	105	606888	43.584	ng	# 94
24) Nitrobenzene	7.346	77	496381	44.799	ng	98
25) Isophorone	7.581	82	928166	45.089	ng	98
26) 2-Nitrophenol	7.657	139	242538	45.608	ng	99
27) 2,4-Dimethylphenol	7.698	122	370025	41.396	ng	96
28) bis(2-Chloroethoxy)met...	7.793	93	586728	47.621	ng	99
29) 2,4-Dichlorophenol	7.904	162	362308	43.742	ng	99
30) 1,2,4-Trichlorobenzene	7.981	180	382415	44.172	ng	100
31) Naphthalene	8.057	128	1298096	43.867	ng	98
32) Benzoic acid	7.846	122	265069	39.381	ng	97
33) 4-Chloroaniline	8.116	127	213964	16.480	ng	97
34) Hexachlorobutadiene	8.169	225	213419	40.883	ng	99
35) Caprolactam	8.493	113	109909m	39.538	ng	
36) 4-Chloro-3-methylphenol	8.610	107	388502	42.202	ng	95
37) 2-Methylnaphthalene	8.751	142	812580	40.851	ng	98
38) 1-Methylnaphthalene	8.851	142	780783	41.925	ng	98
40) 1,2,4,5-Tetrachloroben...	8.916	216	379109	45.335	ng	99
41) Hexachlorocyclopentadiene	8.898	237	219956	61.568	ng	98
43) 2,4,6-Trichlorophenol	9.040	196	243002	44.382	ng	99

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44) 2,4,5-Trichlorophenol	9.087	196	263032	41.716	ng	98
46) 1,1'-Biphenyl	9.216	154	1019686	45.969	ng	98
47) 2-Chloronaphthalene	9.245	162	769946	47.839	ng	99
48) 2-Nitroaniline	9.345	65	299693	47.931	ng	96
49) Acenaphthylene	9.657	152	1243464	46.488	ng	99
50) Dimethylphthalate	9.528	163	901342	46.186	ng	99
51) 2,6-Dinitrotoluene	9.592	165	198938	46.533	ng	88
52) Acenaphthene	9.828	154	727890	46.066	ng	96
53) 3-Nitroaniline	9.763	138	148448	29.581	ng	93
54) 2,4-Dinitrophenol	9.881	184	150920	63.575	ng	90
55) Dibenzofuran	10.004	168	1011876	41.965	ng	99
56) 4-Nitrophenol	9.940	139	217890	68.316	ng	97
57) 2,4-Dinitrotoluene	9.998	165	219407	40.994	ng	# 80
58) Fluorene	10.351	166	795253	42.902	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.128	232	195934	40.396	ng	99
60) Diethylphthalate	10.228	149	875981	44.726	ng	99
61) 4-Chlorophenyl-phenyle...	10.339	204	367982	41.326	ng	95
62) 4-Nitroaniline	10.381	138	191134	39.622	ng	97
63) Azobenzene	10.504	77	894866	46.684	ng	99
65) 4,6-Dinitro-2-methylph...	10.416	198	108133	40.992	ng	84
66) n-Nitrosodiphenylamine	10.463	169	739951	49.212	ng	98
67) 4-Bromophenyl-phenylether	10.834	248	234505	47.475	ng	99
68) Hexachlorobenzene	10.898	284	250379	49.754	ng	94
69) Atrazine	10.998	200	217680	53.804	ng	97
70) Pentachlorophenol	11.098	266	224138	74.444	ng	98
71) Phenanthrene	11.316	178	1110710	47.285	ng	99
72) Anthracene	11.369	178	1138691	47.161	ng	99
73) Carbazole	11.528	167	1018184	46.324	ng	99
74) Di-n-butylphthalate	11.857	149	1295213	50.009	ng	100
75) Fluoranthene	12.510	202	1066317	43.566	ng	99
77) Benzidine	12.633	184	98232	19.388	ng	99
78) Pyrene	12.739	202	1060040	45.019	ng	99
80) Butylbenzylphthalate	13.363	149	432439	52.162	ng	97
81) Benzo(a)anthracene	13.933	228	757326	47.422	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	225575	45.221	ng	# 99
83) Chrysene	13.975	228	761880	47.984	ng	100
84) Bis(2-ethylhexyl)phtha...	13.922	149	536857	63.105	ng	# 99
85) Di-n-octyl phthalate	14.539	149	929906	68.781	ng	100
87) Indeno(1,2,3-cd)pyrene	16.898	276	922402	42.152	ng	96
88) Benzo(b)fluoranthene	14.986	252	850759	47.090	ng	# 98
89) Benzo(k)fluoranthene	15.016	252	781478m	43.788	ng	
90) Benzo(a)pyrene	15.351	252	783575	45.480	ng	98
91) Dibenzo(a,h)anthracene	16.910	278	757570	42.311	ng	97
92) Benzo(g,h,i)perylene	17.345	276	729275	39.001	ng	98

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

