

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130275.D
 Acq On : 15 Sep 2022 17:13
 Operator : CG\JU
 Sample : N4600-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

Quant Time: Sep 16 03:30:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 14:55:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 09/16/2022

Supervised By :Jagrit
 Upadhyay
 09/16/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.681	152	102468	20.000	ng	0.00
21) Naphthalene-d8	7.963	136	404140	20.000	ng	0.00
39) Acenaphthene-d10	9.710	164	208711	20.000	ng	0.00
64) Phenanthrene-d10	11.192	188	347822	20.000	ng	0.00
76) Chrysene-d12	13.815	240	175191	20.000	ng	0.00
86) Perylene-d12	15.209	264	167146	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	736724	124.704	ng	0.02
7) Phenol-d6	6.316	99	843537	114.115	ng	0.00
23) Nitrobenzene-d5	7.245	82	655599	82.876	ng	0.00
42) 2,4,6-Tribromophenol	10.498	330	307513	153.768	ng	0.00
45) 2-Fluorobiphenyl	9.039	172	1207367	84.239	ng	0.00
79) Terphenyl-d14	12.774	244	1058579	100.092	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.504	88	100268	36.955	ng	# 84
3) Pyridine	3.157	79	215942	30.510	ng	95
4) n-Nitrosodimethylamine	3.093	42	151949	39.473	ng	99
6) Aniline	6.339	93	165170	18.135	ng	# 79
8) 2-Chlorophenol	6.463	128	302007	44.877	ng	95
9) Benzaldehyde	6.228	77	137029	27.674	ng	96
10) Phenol	6.328	94	314511	36.306	ng	99
11) bis(2-Chloroethyl)ether	6.422	93	282853	45.269	ng	98
12) 1,3-Dichlorobenzene	6.616	146	311437	42.058	ng	99
13) 1,4-Dichlorobenzene	6.698	146	324129	42.924	ng	98
14) 1,2-Dichlorobenzene	6.845	146	307208	43.550	ng	99
15) Benzyl Alcohol	6.828	79	193770	33.062	ng	95
16) 2,2'-oxybis(1-Chloropr...	6.963	45	385884	42.344	ng	91
17) 2-Methylphenol	6.939	107	266262	48.671	ng	97
18) Hexachloroethane	7.186	117	122621	41.196	ng	98
19) n-Nitroso-di-n-propyla...	7.104	70	220923	44.291	ng	94
20) 3+4-Methylphenols	7.092	107	296811	41.765	ng	90
22) Acetophenone	7.092	105	450771	45.622	ng	96
24) Nitrobenzene	7.263	77	337586	42.028	ng	99
25) Isophorone	7.504	82	588162	46.130	ng	99
26) 2-Nitrophenol	7.581	139	159686	48.496	ng	92
27) 2,4-Dimethylphenol	7.622	122	267523	52.766	ng	98
28) bis(2-Chloroethoxy)met...	7.722	93	352225	49.061	ng	99
29) 2,4-Dichlorophenol	7.822	162	251174	45.209	ng	97
30) 1,2,4-Trichlorobenzene	7.904	180	259509	43.203	ng	96
31) Naphthalene	7.981	128	892303	42.856	ng	99
32) Benzoic acid	7.745	122	154707m	39.459	ng	
33) 4-Chloroaniline	8.033	127	69402	8.764	ng	95
34) Hexachlorobutadiene	8.098	225	162563	42.347	ng	98
35) Caprolactam	8.410	113	63748m	40.024	ng	
36) 4-Chloro-3-methylphenol	8.522	107	281556	45.721	ng	99
37) 2-Methylnaphthalene	8.675	142	584510	44.030	ng	98
38) 1-Methylnaphthalene	8.769	142	550641	43.178	ng	100
40) 1,2,4,5-Tetrachloroben...	8.839	216	264126	46.372	ng	99
41) Hexachlorocyclopentadiene	8.828	237	342430	112.291	ng	100
43) 2,4,6-Trichlorophenol	8.951	196	176015	44.279	ng	95

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44) 2,4,5-Trichlorophenol	8.992	196	199081	46.410	ng	97
46) 1,1'-Biphenyl	9.139	154	717024	46.000	ng	98
47) 2-Chloronaphthalene	9.163	162	558923	44.326	ng	97
48) 2-Nitroaniline	9.263	65	180549	42.931	ng	90
49) Acenaphthylene	9.575	152	832003	44.008	ng	99
50) Dimethylphthalate	9.445	163	656098	45.509	ng	100
51) 2,6-Dinitrotoluene	9.504	165	143886	47.722	ng	92
52) Acenaphthene	9.745	154	603098m	48.552	ng	
53) 3-Nitroaniline	9.669	138	74599	22.204	ng	97
54) 2,4-Dinitrophenol	9.775	184	136987	83.460	ng	99
55) Dibenzofuran	9.916	168	763148	44.170	ng	98
56) 4-Nitrophenol	9.833	139	198437	81.093	ng	96
57) 2,4-Dinitrotoluene	9.904	165	189163	49.090	ng	97
58) Fluorene	10.257	166	621689	43.998	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.033	232	152746	45.493	ng	96
60) Diethylphthalate	10.145	149	649819	44.947	ng	100
61) 4-Chlorophenyl-phenyle...	10.257	204	286085	46.154	ng	92
62) 4-Nitroaniline	10.286	138	136631	40.482	ng	96
63) Azobenzene	10.416	77	618301	41.533	ng	97
65) 4,6-Dinitro-2-methylph...	10.310	198	87107	44.988	ng	85
66) n-Nitrosodiphenylamine	10.374	169	516071	44.400	ng	99
67) 4-Bromophenyl-phenylether	10.739	248	178638	46.556	ng	95
68) Hexachlorobenzene	10.798	284	201974	46.436	ng	# 91
69) Atrazine	10.904	200	167831	49.410	ng	98
70) Pentachlorophenol	10.998	266	214552	91.911	ng	97
71) Phenanthrene	11.216	178	842154	43.125	ng	100
72) Anthracene	11.269	178	844291	44.802	ng	99
73) Carbazole	11.421	167	742636	43.665	ng	100
74) Di-n-butylphthalate	11.763	149	914556	44.593	ng	99
75) Fluoranthene	12.398	202	782068	41.445	ng	98
77) Benzidine	12.521	184	107979	21.232	ng	99
78) Pyrene	12.621	202	765592	49.954	ng	99
80) Butylbenzylphthalate	13.251	149	291718	51.381	ng	99
81) Benzo(a)anthracene	13.810	228	525290	45.072	ng	99
82) 3,3'-Dichlorobenzidine	13.774	252	106520	33.576	ng	99
83) Chrysene	13.845	228	479362	43.318	ng	100
84) Bis(2-ethylhexyl)phtha...	13.810	149	341594	52.526	ng	98
85) Di-n-octyl phthalate	14.421	149	460599	46.306	ng	98
87) Indeno(1,2,3-cd)pyrene	16.545	276	597347	50.396	ng	99
88) Benzo(b)fluoranthene	14.815	252	501635	45.981	ng	99
89) Benzo(k)fluoranthene	14.845	252	436208	40.647	ng	99
90) Benzo(a)pyrene	15.151	252	425998	49.288	ng	99
91) Dibenzo(a,h)anthracene	16.562	278	517375	53.208	ng	99
92) Benzo(g,h,i)perylene	16.945	276	514850	52.562	ng	99

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

