

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136692.D
 Acq On : 22 Dec 2023 18:40
 Operator : CG\JU
 Sample : 05884-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-2MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

Quant Time: Dec 23 01:53:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	71907	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	270455	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	127227	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	211481	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	124515	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	142018	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	435916	94.588	ng	0.00
7) Phenol-d6	6.434	99	552623	92.542	ng	0.00
23) Nitrobenzene-d5	7.345	82	349556	66.137	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	129064	86.136	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	638082	67.455	ng	-0.01
79) Terphenyl-d14	12.898	244	497999	55.892	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.610	88	71057	37.005	ng	98
3) Pyridine	3.369	79	172835	36.890	ng	99
4) n-Nitrosodimethylamine	3.334	42	104816	41.894	ng	95
6) Aniline	6.451	93	178628	29.919	ng	# 47
8) 2-Chlorophenol	6.575	128	208395	41.321	ng	95
9) Benzaldehyde	6.334	77	56709	16.696	ng	98
10) Phenol	6.445	94	247044	38.754	ng	92
11) bis(2-Chloroethyl)ether	6.522	93	193027	39.817	ng	99
12) 1,3-Dichlorobenzene	6.722	146	212859	38.689	ng	99
13) 1,4-Dichlorobenzene	6.798	146	217255	38.647	ng	99
14) 1,2-Dichlorobenzene	6.951	146	202716	38.753	ng	99
15) Benzyl Alcohol	6.934	79	170701	42.371	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	311423	39.291	ng	86
17) 2-Methylphenol	7.045	107	164644	39.407	ng	96
18) Hexachloroethane	7.286	117	78685	38.541	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	141627	39.124	ng	99
20) 3+4-Methylphenols	7.198	107	205983	39.463	ng	# 81
22) Acetophenone	7.192	105	286341	42.240	ng	94
24) Nitrobenzene	7.363	77	212451	40.127	ng	99
25) Isophorone	7.604	82	379733	39.485	ng	100
26) 2-Nitrophenol	7.681	139	106998	42.240	ng	97
27) 2,4-Dimethylphenol	7.722	122	149954	48.624	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	235927	40.358	ng	98
29) 2,4-Dichlorophenol	7.928	162	160715	40.479	ng	95
30) 1,2,4-Trichlorobenzene	8.004	180	174301	39.402	ng	98
31) Naphthalene	8.081	128	590399	39.736	ng	99
32) Benzoic acid	7.851	122	90879	30.456	ng	96
33) 4-Chloroaniline	8.133	127	86972	15.854	ng	96
34) Hexachlorobutadiene	8.198	225	102626	38.184	ng	99
35) Caprolactam	8.510	113	56149m	42.869	ng	
36) 4-Chloro-3-methylphenol	8.628	107	173331	38.779	ng	98
37) 2-Methylnaphthalene	8.775	142	367186	38.400	ng	99
38) 1-Methylnaphthalene	8.875	142	357324	38.089	ng	100
40) 1,2,4,5-Tetrachloroben...	8.939	216	177427	45.030	ng	98
41) Hexachlorocyclopentadiene	8.928	237	89233	71.578	ng	100
43) 2,4,6-Trichlorophenol	9.057	196	110810	43.852	ng	98

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44) 2,4,5-Trichlorophenol	9.104	196	115500	41.018	ng	95
46) 1,1'-Biphenyl	9.239	154	468610	43.893	ng	99
47) 2-Chloronaphthalene	9.263	162	337462	41.578	ng	100
48) 2-Nitroaniline	9.369	65	110676	43.546	ng	93
49) Acenaphthylene	9.680	152	560469	45.179	ng	100
50) Dimethylphthalate	9.545	163	388305	41.785	ng	99
51) 2,6-Dinitrotoluene	9.610	165	86001	40.777	ng	87
52) Acenaphthene	9.851	154	313417	40.756	ng	99
53) 3-Nitroaniline	9.774	138	66940	29.962	ng	96
54) 2,4-Dinitrophenol	9.886	184	47770	42.695	ng	# 79
55) Dibenzofuran	10.027	168	475478	40.789	ng	98
56) 4-Nitrophenol	9.957	139	109753	72.772	ng	95
57) 2,4-Dinitrotoluene	10.016	165	106349	38.843	ng	98
58) Fluorene	10.369	166	364661	39.425	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.145	232	86565	39.936	ng	# 100
60) Diethylphthalate	10.245	149	393284	40.789	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	176750	39.314	ng	97
62) 4-Nitroaniline	10.392	138	71927m	33.396	ng	
63) Azobenzene	10.522	77	351950	39.081	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	37308	30.782	ng	94
66) n-Nitrosodiphenylamine	10.480	169	331812	48.300	ng	98
67) 4-Bromophenyl-phenylether	10.851	248	103312	43.988	ng	96
68) Hexachlorobenzene	10.916	284	110239	42.118	ng	93
69) Atrazine	11.016	200	100415	57.148	ng	99
70) Pentachlorophenol	11.116	266	90277	73.998	ng	98
71) Phenanthrene	11.333	178	462600	42.631	ng	99
72) Anthracene	11.386	178	463900	42.213	ng	99
73) Carbazole	11.545	167	400281	38.633	ng	99
74) Di-n-butylphthalate	11.874	149	555207	43.914	ng	100
75) Fluoranthene	12.527	202	417577	35.976	ng	99
77) Benzidine	12.651	184	111080	30.255	ng	98
78) Pyrene	12.757	202	411458	33.662	ng	99
80) Butylbenzylphthalate	13.380	149	176219	39.620	ng	96
81) Benzo(a)anthracene	13.951	228	356313	41.210	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	106690	43.450	ng	99
83) Chrysene	13.986	228	347702	41.123	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	233347	41.699	ng	# 97
85) Di-n-octyl phthalate	14.562	149	417680	48.252	ng	100
87) Indeno(1,2,3-cd)pyrene	16.933	276	356583	34.775	ng	99
88) Benzo(b)fluoranthene	15.004	252	402574	42.441	ng	99
89) Benzo(k)fluoranthene	15.033	252	334976	37.373	ng	99
90) Benzo(a)pyrene	15.374	252	331025	41.343	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	303841	36.119	ng	97
92) Benzo(g,h,i)perylene	17.386	276	264584	30.709	ng	97

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

