

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136589.D
 Acq On : 15 Dec 2023 13:13
 Operator : CG\JU
 Sample : 05590-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SH-SOIL-BMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 15 13:53:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	117559	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	467662	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	234801	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	386268	20.000	ng	0.00
76) Chrysene-d12	13.962	240	225712	20.000	ng	0.00
86) Perylene-d12	15.445	264	267776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	791235	99.398	ng	0.02
7) Phenol-d6	6.439	99	972053	97.874	ng	0.00
23) Nitrobenzene-d5	7.351	82	604354	69.862	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	265325	91.646	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1075637	62.509	ng	0.00
79) Terphenyl-d14	12.904	244	839368	49.015	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	113405	36.019	ng	95
3) Pyridine	3.387	79	261075	34.240	ng	94
4) n-Nitrosodimethylamine	3.351	42	126132	38.076	ng	98
6) Aniline	6.451	93	271907	27.090	ng	# 1
8) 2-Chlorophenol	6.575	128	350183	40.296	ng	99
9) Benzaldehyde	6.339	77	138133	25.151	ng	95
10) Phenol	6.451	94	397735	37.635	ng	87
11) bis(2-Chloroethyl)ether	6.528	93	309641	39.308	ng	98
12) 1,3-Dichlorobenzene	6.728	146	360805	36.918	ng	97
13) 1,4-Dichlorobenzene	6.804	146	369657	37.287	ng	99
14) 1,2-Dichlorobenzene	6.957	146	350677	37.616	ng	97
15) Benzyl Alcohol	6.934	79	272687	41.002	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	361935	35.724	ng	88
17) 2-Methylphenol	7.051	107	267809	38.145	ng	94
18) Hexachloroethane	7.292	117	127603	36.866	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	215086	37.543	ng	99
20) 3+4-Methylphenols	7.204	107	333758	38.299	ng	# 82
22) Acetophenone	7.198	105	474799	41.114	ng	98
24) Nitrobenzene	7.369	77	331148	38.052	ng	99
25) Isophorone	7.610	82	600463	38.635	ng	96
26) 2-Nitrophenol	7.686	139	183212	42.824	ng	91
27) 2,4-Dimethylphenol	7.728	122	248719	47.147	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	385160	40.330	ng	98
29) 2,4-Dichlorophenol	7.928	162	286261	41.111	ng	97
30) 1,2,4-Trichlorobenzene	8.004	180	316558	38.988	ng	98
31) Naphthalene	8.086	128	989156	38.355	ng	99
32) Benzoic acid	7.857	122	171685	32.807	ng	98
33) 4-Chloroaniline	8.139	127	168562	18.333	ng	99
34) Hexachlorobutadiene	8.204	225	181006	37.616	ng	98
35) Caprolactam	8.522	113	86316m	40.253	ng	
36) 4-Chloro-3-methylphenol	8.633	107	288677	39.045	ng	98
37) 2-Methylnaphthalene	8.780	142	633306	38.599	ng	95
38) 1-Methylnaphthalene	8.880	142	613412	38.100	ng	97
40) 1,2,4,5-Tetrachloroben...	8.945	216	317369	43.445	ng	100
41) Hexachlorocyclopentadiene	8.933	237	199313	73.648	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	194489	40.889	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	206822	38.959	ng	# 91
46) 1,1'-Biphenyl	9.245	154	824604	41.273	ng	98
47) 2-Chloronaphthalene	9.269	162	621213	39.949	ng	97
48) 2-Nitroaniline	9.369	65	169617	40.669	ng	95
49) Acenaphthylene	9.686	152	941960	42.523	ng	99
50) Dimethylphthalate	9.551	163	716173	41.429	ng	98
51) 2,6-Dinitrotoluene	9.616	165	158548	40.768	ng	95
52) Acenaphthene	9.857	154	561583	39.562	ng	95
53) 3-Nitroaniline	9.780	138	119763	30.156	ng	95
54) 2,4-Dinitrophenol	9.892	184	105143	53.472	ng	95
55) Dibenzofuran	10.033	168	834065	40.221	ng	99
56) 4-Nitrophenol	9.963	139	199646	67.060	ng	89
57) 2,4-Dinitrotoluene	10.022	165	200696	39.010	ng	96
58) Fluorene	10.374	166	641315	38.526	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	158232	37.211	ng	99
60) Diethylphthalate	10.251	149	675374	39.731	ng	98
61) 4-Chlorophenyl-phenyle...	10.369	204	318687	39.272	ng	95
62) 4-Nitroaniline	10.398	138	134091	34.004	ng	97
63) Azobenzene	10.527	77	581641	37.592	ng	97
65) 4,6-Dinitro-2-methylph...	10.427	198	80963	33.844	ng	92
66) n-Nitrosodiphenylamine	10.492	169	564141	45.515	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	193381	43.060	ng	# 90
68) Hexachlorobenzene	10.922	284	219416	42.272	ng	96
69) Atrazine	11.022	200	187189	52.914	ng	98
70) Pentachlorophenol	11.121	266	190515	65.034	ng	97
71) Phenanthrene	11.339	178	872744	41.107	ng	99
72) Anthracene	11.392	178	864600	40.432	ng	98
73) Carbazole	11.551	167	701527	37.066	ng	99
74) Di-n-butylphthalate	11.880	149	958572	41.314	ng	99
75) Fluoranthene	12.533	202	765724	34.416	ng	98
77) Benzidine	12.657	184	120990	28.801	ng	98
78) Pyrene	12.763	202	760411	34.399	ng	98
80) Butylbenzylphthalate	13.386	149	300246	38.155	ng	93
81) Benzo(a)anthracene	13.957	228	644968	41.023	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	195408	44.328	ng	100
83) Chrysene	13.992	228	610200	39.448	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	399176	41.379	ng	97
85) Di-n-octyl phthalate	14.568	149	690088	48.430	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	682439	36.684	ng	99
88) Benzo(b)fluoranthene	15.009	252	739781	40.406	ng	98
89) Benzo(k)fluoranthene	15.039	252	604504	35.035	ng	98
90) Benzo(a)pyrene	15.380	252	610769	40.395	ng	98
91) Dibenzo(a,h)anthracene	16.962	278	575980	37.793	ng	100
92) Benzo(g,h,i)perylene	17.398	276	507369	32.435	ng	99

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

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