

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136588.D
 Acq On : 15 Dec 2023 12:42
 Operator : CG\JU
 Sample : 05590-03MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SH-SOIL-BMS

Quant Time: Dec 15 13:13:21 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	109070	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	446029	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	218625	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	352467	20.000	ng	0.00
76) Chrysene-d12	13.962	240	211964	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	253456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	763414	103.368	ng	0.02
7) Phenol-d6	6.439	99	943429	102.386	ng	0.00
23) Nitrobenzene-d5	7.351	82	589185	71.411	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	253873	94.178	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1041683	65.014	ng	0.00
79) Terphenyl-d14	12.904	244	783837	48.741	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	108038	36.985	ng	98
3) Pyridine	3.381	79	256451	36.252	ng	97
4) n-Nitrosodimethylamine	3.345	42	121494	39.530	ng	93
6) Aniline	6.451	93	265454	28.506	ng	# 1
8) 2-Chlorophenol	6.575	128	338049	41.928	ng	98
9) Benzaldehyde	6.339	77	135181	26.820	ng	96
10) Phenol	6.451	94	387937	39.565	ng	87
11) bis(2-Chloroethyl)ether	6.528	93	296860	40.618	ng	97
12) 1,3-Dichlorobenzene	6.728	146	348729	38.460	ng	98
13) 1,4-Dichlorobenzene	6.804	146	358895	39.019	ng	99
14) 1,2-Dichlorobenzene	6.957	146	341315	39.461	ng	98
15) Benzyl Alcohol	6.933	79	262940	42.614	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	356031	37.876	ng	89
17) 2-Methylphenol	7.051	107	264490	40.604	ng	95
18) Hexachloroethane	7.292	117	123623	38.496	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	208712	39.266	ng	99
20) 3+4-Methylphenols	7.204	107	324909	40.186	ng	# 78
22) Acetophenone	7.198	105	459303	41.701	ng	98
24) Nitrobenzene	7.369	77	320100	38.567	ng	99
25) Isophorone	7.610	82	578685	39.040	ng	97
26) 2-Nitrophenol	7.686	139	176317	43.211	ng	92
27) 2,4-Dimethylphenol	7.728	122	238958	47.494	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	367968	40.399	ng	98
29) 2,4-Dichlorophenol	7.928	162	271653	40.905	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	307042	39.650	ng	98
31) Naphthalene	8.086	128	967575	39.338	ng	99
32) Benzoic acid	7.857	122	162867	32.631	ng	95
33) 4-Chloroaniline	8.139	127	168551	19.221	ng	97
34) Hexachlorobutadiene	8.204	225	177336	38.640	ng	99
35) Caprolactam	8.516	113	81476m	39.839	ng	
36) 4-Chloro-3-methylphenol	8.633	107	278573	39.506	ng	99
37) 2-Methylnaphthalene	8.780	142	613280	39.192	ng	94
38) 1-Methylnaphthalene	8.880	142	593107	38.626	ng	96
40) 1,2,4,5-Tetrachloroben...	8.945	216	309182	45.456	ng	98
41) Hexachlorocyclopentadiene	8.933	237	191536	76.010	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	186688	42.153	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	196223	39.697	ng	97
46) 1,1'-Biphenyl	9.245	154	807955	43.432	ng	97
47) 2-Chloronaphthalene	9.269	162	589488	40.714	ng	97
48) 2-Nitroaniline	9.369	65	158030	40.695	ng	93
49) Acenaphthylene	9.686	152	901744	43.720	ng	98
50) Dimethylphthalate	9.551	163	684543	42.529	ng	98
51) 2,6-Dinitrotoluene	9.616	165	151344	41.795	ng	92
52) Acenaphthene	9.857	154	539046	40.784	ng	94
53) 3-Nitroaniline	9.780	138	115395	31.207	ng	96
54) 2,4-Dinitrophenol	9.892	184	96839	52.893	ng	96
55) Dibenzofuran	10.033	168	798222	41.340	ng	97
56) 4-Nitrophenol	9.957	139	188451	67.983	ng	99
57) 2,4-Dinitrotoluene	10.022	165	189435	39.545	ng	97
58) Fluorene	10.374	166	615871	39.735	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.151	232	150549	38.023	ng	99
60) Diethylphthalate	10.251	149	635912	40.177	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	307343	40.676	ng	96
62) 4-Nitroaniline	10.398	138	125240	34.109	ng	99
63) Azobenzene	10.527	77	546699	37.948	ng	97
65) 4,6-Dinitro-2-methylph...	10.427	198	74336	34.054	ng	89
66) n-Nitrosodiphenylamine	10.492	169	537140	47.493	ng	96
67) 4-Bromophenyl-phenylether	10.857	248	185667	45.307	ng	# 93
68) Hexachlorobenzene	10.921	284	202895	42.838	ng	95
69) Atrazine	11.021	200	172383	53.402	ng	97
70) Pentachlorophenol	11.121	266	177910	66.555	ng	99
71) Phenanthrene	11.339	178	816792	42.161	ng	99
72) Anthracene	11.392	178	815489	41.792	ng	98
73) Carbazole	11.551	167	659250	38.172	ng	99
74) Di-n-butylphthalate	11.880	149	879467	41.539	ng	99
75) Fluoranthene	12.527	202	715119	35.224	ng	97
77) Benzidine	12.657	184	117121	29.367	ng	97
78) Pyrene	12.763	202	702599	33.846	ng	98
80) Butylbenzylphthalate	13.386	149	278099	37.633	ng	94
81) Benzo(a)anthracene	13.957	228	615717	41.702	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	185779	44.877	ng	98
83) Chrysene	13.992	228	586496	40.375	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	376862	41.600	ng	99
85) Di-n-octyl phthalate	14.568	149	664698	49.673	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	666830	37.871	ng	99
88) Benzo(b)fluoranthene	15.009	252	660764	38.130	ng	98
89) Benzo(k)fluoranthene	15.039	252	645706	39.537	ng	98
90) Benzo(a)pyrene	15.380	252	590963	41.293	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	567438	39.336	ng	99
92) Benzo(g,h,i)perylene	17.398	276	497974	33.633	ng	99

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

