

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136597.D
 Acq On : 15 Dec 2023 17:29
 Operator : CG\JU
 Sample : 05624-03MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Dec 16 02:04:20 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							12/16/2023
1) 1,4-Dichlorobenzene-d4	6.786	152	99349	20.000	ng	0.00	Supervised By :mohammad Ahmed
21) Naphthalene-d8	8.063	136	357926	20.000	ng	0.00	
39) Acenaphthene-d10	9.822	164	155922	20.000	ng	0.00	
64) Phenanthrene-d10	11.310	188	249938	20.000	ng	0.00	
76) Chrysene-d12	13.968	240	225312	20.000	ng	0.00	
86) Perylene-d12	15.439	264	221214	20.000	ng	0.00	12/16/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	613183	91.150	ng	0.01	
7) Phenol-d6	6.439	99	717726	85.513	ng	0.00	
23) Nitrobenzene-d5	7.351	82	435455	65.770	ng	0.00	
42) 2,4,6-Tribromophenol	10.616	330	162553	84.552	ng	0.00	
45) 2-Fluorobiphenyl	9.145	172	820809	71.830	ng	0.00	
79) Terphenyl-d14	12.904	244	751251	43.947	ng	0.00	
Target Compounds							Qvalue
2) 1,4-Dioxane	2.604	88	96011	36.083	ng		96
3) Pyridine	3.357	79	229368	35.596	ng		93
4) n-Nitrosodimethylamine	3.322	42	104663	37.386	ng		94
6) Aniline	6.451	93	203766	24.022	ng	#	3
8) 2-Chlorophenol	6.575	128	270188	36.790	ng		98
9) Benzaldehyde	6.339	77	103957	21.901	ng		96
10) Phenol	6.451	94	313056	35.052	ng		91
11) bis(2-Chloroethyl)ether	6.528	93	249632	37.498	ng		97
12) 1,3-Dichlorobenzene	6.728	146	296895	35.947	ng		97
13) 1,4-Dichlorobenzene	6.804	146	301089	35.937	ng		98
14) 1,2-Dichlorobenzene	6.957	146	282105	35.807	ng		97
15) Benzyl Alcohol	6.934	79	206185	36.685	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	294306	34.373	ng		93
17) 2-Methylphenol	7.051	107	203886	34.363	ng		95
18) Hexachloroethane	7.292	117	102088	34.901	ng		97
19) n-Nitroso-di-n-propyla...	7.204	70	167608	34.618	ng		95
20) 3+4-Methylphenols	7.204	107	252959	34.348	ng	#	72
22) Acetophenone	7.198	105	367997	41.635	ng		97
24) Nitrobenzene	7.369	77	250632	37.630	ng		98
25) Isophorone	7.604	82	443865	37.315	ng		98
26) 2-Nitrophenol	7.686	139	131116	40.043	ng		89
27) 2,4-Dimethylphenol	7.728	122	186258	46.132	ng		100
28) bis(2-Chloroethoxy)met...	7.822	93	288383	39.454	ng		99
29) 2,4-Dichlorophenol	7.928	162	199457	37.427	ng		98
30) 1,2,4-Trichlorobenzene	8.004	180	237633	38.240	ng		98
31) Naphthalene	8.086	128	744278	37.708	ng		99
32) Benzoic acid	7.839	122	113744m	28.399	ng		
33) 4-Chloroaniline	8.139	127	89815	12.764	ng		97
34) Hexachlorobutadiene	8.204	225	138417	37.584	ng		96
35) Caprolactam	8.504	113	58115m	35.411	ng		
36) 4-Chloro-3-methylphenol	8.628	107	191963	33.925	ng		99
37) 2-Methylnaphthalene	8.780	142	449966	35.833	ng		94
38) 1-Methylnaphthalene	8.880	142	428820	34.801	ng		97
40) 1,2,4,5-Tetrachloroben...	8.945	216	219900	45.331	ng		99
41) Hexachlorocyclopentadiene	8.928	237	91510	50.919	ng		97
43) 2,4,6-Trichlorophenol	9.063	196	128961	40.829	ng		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	9.104	196	132224	37.507	ng	96	12/16/2023
46) 1,1'-Biphenyl	9.245	154	573114	43.197	ng	97	Supervised By :mohammad ahmed
47) 2-Chloronaphthalene	9.269	162	419152	40.591	ng	98	
48) 2-Nitroaniline	9.369	65	107907	38.962	ng	90	
49) Acenaphthylene	9.686	152	622864	42.343	ng	98	
50) Dimethylphthalate	9.545	163	476285	41.490	ng	99	
51) 2,6-Dinitrotoluene	9.610	165	101204	39.187	ng	99	12/16/2023
52) Acenaphthene	9.857	154	368084	39.048	ng	95	
53) 3-Nitroaniline	9.780	138	73649	27.927	ng	97	
54) 2,4-Dinitrophenol	9.886	184	46844	35.875	ng	# 86	
55) Dibenzofuran	10.027	168	544155	39.515	ng	99	
56) 4-Nitrophenol	9.951	139	133345	67.448	ng	98	
57) 2,4-Dinitrotoluene	10.016	165	124856	36.546	ng	94	
58) Fluorene	10.374	166	412329	37.301	ng	99	
59) 2,3,4,6-Tetrachlorophenol	10.151	232	100035	35.426	ng	98	
60) Diethylphthalate	10.251	149	438944	38.885	ng	98	
61) 4-Chlorophenyl-phenyle...	10.363	204	213365	39.594	ng	98	
62) 4-Nitroaniline	10.392	138	80071	30.577	ng	96	
63) Azobenzene	10.527	77	366349	35.656	ng	97	
65) 4,6-Dinitro-2-methylph...	10.422	198	39371	25.435	ng	95	
66) n-Nitrosodiphenylamine	10.486	169	355696	44.351	ng	97	
67) 4-Bromophenyl-phenylether	10.857	248	122837	42.271	ng	97	
68) Hexachlorobenzene	10.922	284	132510	39.454	ng	# 91	
69) Atrazine	11.016	200	113917	49.766	ng	98	
70) Pentachlorophenol	11.121	266	130249	68.714	ng	96	
71) Phenanthrene	11.339	178	550905	40.102	ng	98	
72) Anthracene	11.386	178	554934	40.106	ng	98	
73) Carbazole	11.545	167	483000	39.439	ng	99	
74) Di-n-butylphthalate	11.880	149	605472	40.329	ng	99	
75) Fluoranthene	12.527	202	588599	40.885	ng	96	
77) Benzidine	12.657	184	199129	39.263	ng	99	
78) Pyrene	12.763	202	621642	28.172	ng	98	
80) Butylbenzylphthalate	13.386	149	254775	32.434	ng	94	
81) Benzo(a)anthracene	13.957	228	629777	40.128	ng	99	
82) 3,3'-Dichlorobenzidine	13.921	252	190347	43.257	ng	99	
83) Chrysene	13.992	228	602555	39.023	ng	99	
84) Bis(2-ethylhexyl)phtha...	13.951	149	360582	37.445	ng	98	
85) Di-n-octyl phthalate	14.568	149	688526	48.406	ng	98	
87) Indeno(1,2,3-cd)pyrene	16.939	276	447623	29.127	ng	99	
88) Benzo(b)fluoranthene	15.009	252	603398	39.894	ng	98	
89) Benzo(k)fluoranthene	15.039	252	567580	39.819	ng	97	
90) Benzo(a)pyrene	15.380	252	493765	39.530	ng	98	
91) Dibenzo(a,h)anthracene	16.962	278	381857	30.330	ng	99	
92) Benzo(g,h,i)perylene	17.392	276	333964	25.843	ng	98	

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

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