

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059968.D
 Acq On : 6 Dec 2023 13:57
 Operator : MA/JU
 Sample : 05602-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPRING-VALLEY-TP-1MS

Quant Time: Dec 06 14:59:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 05 02:26:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	137508	20.000	ng	# 0.00
21) Naphthalene-d8	10.767	136	480117	20.000	ng	# 0.00
39) Acenaphthene-d10	14.598	164	446105	20.000	ng	0.00
64) Phenanthrene-d10	17.347	188	1459480	20.000	ng	0.00
76) Chrysene-d12	21.619	240	1969218	20.000	ng	0.00
86) Perylene-d12	24.815	264	2245115	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	857376	125.278	ng	0.01
7) Phenol-d6	7.118	99	987440	91.542	ng	0.00
23) Nitrobenzene-d5	9.122	82	818854	60.967	ng	0.00
42) 2,4,6-Tribromophenol	16.090	330	1299158	90.515	ng	0.00
45) 2-Fluorobiphenyl	13.223	172	2819943	68.945	ng	0.00
79) Terphenyl-d14	19.968	244	6031284	52.799	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	69495	30.034	ng	# 83
3) Pyridine	3.845	79	118943	17.225	ng	# 93
4) n-Nitrosodimethylamine	3.751	42	108878	29.992	ng	# 77
6) Aniline	7.288	93	97758	8.212	ng	92
8) 2-Chlorophenol	7.523	128	265245	39.733	ng	96
9) Benzaldehyde	7.100	77	80260	10.016	ng	96
10) Phenol	7.142	94	348705	32.319	ng	95
11) bis(2-Chloroethyl)ether	7.382	93	246303	32.803	ng	88
12) 1,3-Dichlorobenzene	7.847	146	324316	33.756	ng	92
13) 1,4-Dichlorobenzene	7.993	146	329271m	33.107	ng	
14) 1,2-Dichlorobenzene	8.311	146	327694	33.608	ng	98
15) Benzyl Alcohol	8.193	79	342556	32.136	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.487	45	133816m	33.935	ng	
17) 2-Methylphenol	8.393	107	257895	35.471	ng	# 88
18) Hexachloroethane	9.045	117	108933	28.229	ng	91
19) n-Nitroso-di-n-propyla...	8.763	70	251279	31.085	ng	# 94
20) 3+4-Methylphenols	8.722	107	350623	33.985	ng	87
22) Acetophenone	8.781	105	533506	34.773	ng	# 91
24) Nitrobenzene	9.163	77	404339	30.086	ng	# 84
25) Isophorone	9.686	82	707405	30.635	ng	# 92
26) 2-Nitrophenol	9.874	139	165342	38.687	ng	91
27) 2,4-Dimethylphenol	9.932	122	255648	43.577	ng	96
28) bis(2-Chloroethoxy)met...	10.167	93	336591	31.025	ng	# 91
29) 2,4-Dichlorophenol	10.408	162	441312	37.781	ng	99
30) 1,2,4-Trichlorobenzene	10.626	180	556795	32.689	ng	93
31) Naphthalene	10.814	128	886108	35.904	ng	95
32) Benzoic acid	10.050	122	207332	37.062	ng	95
33) 4-Chloroaniline	10.925	127	24755	2.572	ng	# 78
34) Hexachlorobutadiene	11.102	225	542982	28.432	ng	92
35) Caprolactam	11.689	113	77206m	31.427	ng	
36) 4-Chloro-3-methylphenol	12.042	107	366233	38.074	ng	98
37) 2-Methylnaphthalene	12.424	142	742333	35.437	ng	91
38) 1-Methylnaphthalene	12.641	142	704735	34.449	ng	97
40) 1,2,4,5-Tetrachloroben...	12.788	216	1097171	34.452	ng	99
41) Hexachlorocyclopentadiene	12.770	237	1344829	83.339	ng	93
43) 2,4,6-Trichlorophenol	13.023	196	597157	36.619	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.099	196	648312	36.153	ng	96
46) 1,1'-Biphenyl	13.434	154	1254748	38.487	ng	97
47) 2-Chloronaphthalene	13.475	162	1034664	35.472	ng	99
48) 2-Nitroaniline	13.675	65	202228	36.576	ng	93
49) Acenaphthylene	14.321	152	1560836	39.982	ng	97
50) Dimethylphthalate	14.057	163	1401022	36.893	ng	99
51) 2,6-Dinitrotoluene	14.169	165	294656	35.415	ng	85
52) Acenaphthene	14.662	154	1205669m	42.791	ng	
53) 3-Nitroaniline	14.498	138	33557	6.501	ng	87
54) 2,4-Dinitrophenol	14.697	184	565340	77.903	ng	# 88
55) Dibenzofuran	14.997	168	1750161	36.826	ng	98
56) 4-Nitrophenol	14.797	139	323002	72.105	ng	89
57) 2,4-Dinitrotoluene	14.956	165	418307	36.149	ng	88
58) Fluorene	15.643	166	1491794	36.887	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.220	232	752345	35.268	ng	99
60) Diethylphthalate	15.420	149	1212833	35.857	ng	98
61) 4-Chlorophenyl-phenyle...	15.643	204	1229462	33.512	ng	97
62) 4-Nitroaniline	15.661	138	150779	25.378	ng	# 77
63) Azobenzene	15.937	77	1067617	30.426	ng	91
65) 4,6-Dinitro-2-methylph...	15.714	198	393393	35.255	ng	98
66) n-Nitrosodiphenylamine	15.855	169	1205621	36.062	ng	95
67) 4-Bromophenyl-phenylether	16.536	248	775153	31.000	ng	# 92
68) Hexachlorobenzene	16.648	284	1002439	36.081	ng	98
69) Atrazine	16.801	200	289401	17.544	ng	96
70) Pentachlorophenol	16.989	266	1421282	70.596	ng	95
71) Phenanthrene	17.388	178	2703843	39.234	ng	99
72) Anthracene	17.482	178	2769725	39.319	ng	98
73) Carbazole	17.747	167	1854542	34.639	ng	96
74) Di-n-butylphthalate	18.317	149	1915076	41.355	ng	99
75) Fluoranthene	19.404	202	3845782	33.955	ng	96
78) Pyrene	19.768	202	3890205	37.121	ng	93
80) Butylbenzylphthalate	20.661	149	716591	48.203	ng	91
81) Benzo(a)anthracene	21.601	228	4815682	36.652	ng	94
82) 3,3'-Dichlorobenzidine	21.519	252	87745m	2.033	ng	
83) Chrysene	21.666	228	4440366	36.047	ng	94
84) Bis(2-ethylhexyl)phtha...	21.525	149	1061650	46.670	ng	98
85) Di-n-octyl phthalate	22.735	149	1885267	47.956	ng	98
87) Indeno(1,2,3-cd)pyrene	28.464	276	6708971	40.467	ng	# 100
88) Benzo(b)fluoranthene	23.804	252	5255201	37.870	ng	99
89) Benzo(k)fluoranthene	23.869	252	5101245	37.725	ng	98
90) Benzo(a)pyrene	24.662	252	4674163	37.715	ng	# 97
91) Dibenzo(a,h)anthracene	28.528	278	5710613	40.570	ng	97
92) Benzo(g,h,i)perylene	29.603	276	5230893	38.424	ng	# 98

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

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