

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059969.D
 Acq On : 6 Dec 2023 14:37
 Operator : MA/JU
 Sample : 05602-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 06 15:21:32 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	7.961	152	134349	20.000	ng	# 0.00
21) Naphthalene-d8	10.763	136	488755	20.000	ng	# 0.00
39) Acenaphthene-d10	14.600	164	437220	20.000	ng	0.00
64) Phenanthrene-d10	17.350	188	1452064	20.000	ng	0.00
76) Chrysene-d12	21.621	240	1904439	20.000	ng	0.00
86) Perylene-d12	24.811	264	2169744	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	758723	113.469	ng	0.01
7) Phenol-d6	7.120	99	1031532	97.878	ng	0.00
23) Nitrobenzene-d5	9.124	82	834023	60.999	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	1381338	98.196	ng	0.00
45) 2-Fluorobiphenyl	13.225	172	2889948	72.092	ng	0.00
79) Terphenyl-d14	19.970	244	6083797	55.070	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.448	88	68015	30.085	ng	# 79
3) Pyridine	3.848	79	126059	18.684	ng	89
4) n-Nitrosodimethylamine	3.748	42	112185	31.630	ng	87
6) Aniline	7.291	93	97038	8.343	ng	98
8) 2-Chlorophenol	7.526	128	273421	41.921	ng	94
9) Benzaldehyde	7.097	77	80804m	10.321	ng	
10) Phenol	7.144	94	360302	34.179	ng	89
11) bis(2-Chloroethyl)ether	7.379	93	260083	35.453	ng	87
12) 1,3-Dichlorobenzene	7.849	146	336652	35.864	ng	93
13) 1,4-Dichlorobenzene	7.996	146	335546	34.531	ng	92
14) 1,2-Dichlorobenzene	8.313	146	335280	35.195	ng	97
15) Benzyl Alcohol	8.196	79	352777	33.873	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.489	45	140575m	36.487	ng	
17) 2-Methylphenol	8.395	107	267787	37.698	ng	# 87
18) Hexachloroethane	9.042	117	109584	29.065	ng	98
19) n-Nitroso-di-n-propyla...	8.766	70	258404	32.718	ng	90
20) 3+4-Methylphenols	8.724	107	375977	37.300	ng	93
22) Acetophenone	8.783	105	546144	34.968	ng	# 89
24) Nitrobenzene	9.165	77	419756	30.681	ng	# 92
25) Isophorone	9.688	82	733102	31.186	ng	# 92
26) 2-Nitrophenol	9.870	139	168069	38.630	ng	91
27) 2,4-Dimethylphenol	9.929	122	270041	45.217	ng	88
28) bis(2-Chloroethoxy)met...	10.170	93	352997	31.962	ng	# 91
29) 2,4-Dichlorophenol	10.405	162	450303	37.869	ng	87
30) 1,2,4-Trichlorobenzene	10.628	180	561993	32.411	ng	96
31) Naphthalene	10.816	128	893009	35.544	ng	# 96
32) Benzoic acid	10.058	122	215655	37.869	ng	89
34) Hexachlorobutadiene	11.104	225	555579	28.578	ng	96
35) Caprolactam	11.692	113	84062m	33.613	ng	
36) 4-Chloro-3-methylphenol	12.038	107	373624	38.156	ng	98
37) 2-Methylnaphthalene	12.420	142	754399m	35.377	ng	
38) 1-Methylnaphthalene	12.643	142	736923	35.386	ng	# 95
40) 1,2,4,5-Tetrachloroben...	12.790	216	1126086	36.078	ng	98
41) Hexachlorocyclopentadiene	12.773	237	1376884	87.059	ng	94
43) 2,4,6-Trichlorophenol	13.025	196	609245	38.120	ng	95
44) 2,4,5-Trichlorophenol	13.096	196	674001	38.350	ng	97

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46) 1,1'-Biphenyl	13.431	154	1287827	40.305	ng	98
47) 2-Chloronaphthalene	13.478	162	1084906	37.950	ng	97
48) 2-Nitroaniline	13.672	65	216759	40.001	ng	91
49) Acenaphthylene	14.318	152	1604399	41.933	ng	97
50) Dimethylphthalate	14.053	163	1468863	39.465	ng	99
51) 2,6-Dinitrotoluene	14.171	165	305734	37.493	ng	# 83
52) Acenaphthene	14.665	154	1258687m	45.580	ng	
53) 3-Nitroaniline	14.500	138	36779	7.270	ng	# 71
54) 2,4-Dinitrophenol	14.700	184	592547	83.311	ng	86
55) Dibenzofuran	14.999	168	1800648	38.658	ng	99
56) 4-Nitrophenol	14.800	139	343561	78.253	ng	93
57) 2,4-Dinitrotoluene	14.952	165	443289	39.086	ng	85
58) Fluorene	15.646	166	1541552	38.892	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.217	232	781038	37.357	ng	99
60) Diethylphthalate	15.422	149	1263127	38.103	ng	100
61) 4-Chlorophenyl-phenyle...	15.640	204	1248576	34.724	ng	95
62) 4-Nitroaniline	15.663	138	154777	26.580	ng	# 85
63) Azobenzene	15.934	77	1117936	32.507	ng	90
65) 4,6-Dinitro-2-methylph...	15.716	198	410158	36.945	ng	92
66) n-Nitrosodiphenylamine	15.851	169	1228210	36.926	ng	97
67) 4-Bromophenyl-phenylether	16.539	248	846206	34.015	ng	# 97
68) Hexachlorobenzene	16.650	284	1043920	37.766	ng	97
69) Atrazine	16.803	200	292567	17.827	ng	95
70) Pentachlorophenol	16.991	266	1482486	74.012	ng	96
71) Phenanthrene	17.391	178	2800958	40.851	ng	98
72) Anthracene	17.479	178	2894656	41.302	ng	99
73) Carbazole	17.749	167	1918007	36.008	ng	98
74) Di-n-butylphthalate	18.319	149	1994342	43.287	ng	99
75) Fluoranthene	19.406	202	3922718	34.812	ng	97
78) Pyrene	19.764	202	3952512m	38.998	ng	
80) Butylbenzylphthalate	20.663	149	727614	50.609	ng	89
81) Benzo(a)anthracene	21.603	228	4841792	38.105	ng	92
83) Chrysene	21.668	228	4477806	37.587	ng	94
84) Bis(2-ethylhexyl)phtha...	21.521	149	1104004	50.183	ng	98
85) Di-n-octyl phthalate	22.732	149	1913253	50.323	ng	# 98
87) Indeno(1,2,3-cd)pyrene	28.460	276	6733355	42.025	ng	# 99
88) Benzo(b)fluoranthene	23.801	252	5380295	40.118	ng	99
89) Benzo(k)fluoranthene	23.871	252	5068239	38.783	ng	98
90) Benzo(a)pyrene	24.665	252	4748402	39.645	ng	# 97
91) Dibenzo(a,h)anthracene	28.536	278	5802677	42.656	ng	98
92) Benzo(g,h,i)perylene	29.600	276	5237524	39.809	ng	# 96

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

