

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050622\
 Data File : BG053478.D
 Acq On : 6 May 2022 17:32
 Operator : CG/JU
 Sample : N2685-07MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

WC-14B-5MS

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/09/2022

Supervised By :mohammad ahmed 05/09/2022

Quant Time: May 06 23:41:27 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu May 05 02:13:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.091	152	20470	20.000	ng	0.00
21) Naphthalene-d8	10.898	136	92273	20.000	ng	-0.01
39) Acenaphthene-d10	14.717	164	74598	20.000	ng	0.00
64) Phenanthrene-d10	17.460	188	188493	20.000	ng	0.00
76) Chrysene-d12	21.743	240	190570	20.000	ng	0.00
86) Perylene-d12	25.021	264	203330	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.659	112	202500	167.889	ng	0.00
7) Phenol-d6	7.256	99	293830	160.517	ng	0.00
23) Nitrobenzene-d5	9.254	82	220903	101.909	ng	0.00
42) 2,4,6-Tribromophenol	16.203	330	171610	155.976	ng	0.00
45) 2-Fluorobiphenyl	13.342	172	493795	96.728	ng	0.00
79) Terphenyl-d14	20.063	244	1037799	101.426	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.544	88	28385	44.853	ng	Qvalue
3) Pyridine	3.949	79	69014	44.654	ng	# 48
4) n-Nitrosodimethylamine	3.849	42	46261	61.446	ng	94
6) Aniline	7.415	93	90674	44.724	ng	99
8) 2-Chlorophenol	7.656	128	82301	65.271	ng	98
9) Benzaldehyde	7.227	77	46911	40.339	ng	97
10) Phenol	7.280	94	107580	60.090	ng	95
11) bis(2-Chloroethyl)ether	7.503	93	78275	58.623	ng	98
12) 1,3-Dichlorobenzene	7.979	146	81778	54.976	ng	95
13) 1,4-Dichlorobenzene	8.126	146	84236	56.117	ng	90
14) 1,2-Dichlorobenzene	8.449	146	80649	57.216	ng	98
15) Benzyl Alcohol	8.331	79	101148	66.093	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.619	45	127804	58.811	ng	97
17) 2-Methylphenol	8.537	107	76404	63.141	ng	98
18) Hexachloroethane	9.177	117	32507	57.027	ng	93
19) n-Nitroso-di-n-propyla...	8.895	70	77274	58.836	ng	94
20) 3+4-Methylphenols	8.860	107	105447	61.702	ng	97
22) Acetophenone	8.913	105	133814	52.988	ng	96
24) Nitrobenzene	9.295	77	118107	56.295	ng	# 100
25) Isophorone	9.818	82	224652	61.581	ng	99
26) 2-Nitrophenol	10.011	139	48537	57.121	ng	99
27) 2,4-Dimethylphenol	10.070	122	83930	65.633	ng	96
28) bis(2-Chloroethoxy)met...	10.293	93	116096	55.334	ng	97
29) 2,4-Dichlorophenol	10.552	162	94329	61.119	ng	96
30) 1,2,4-Trichlorobenzene	10.763	180	93103	53.094	ng	96
31) Naphthalene	10.951	128	253170	53.938	ng	96
32) Benzoic acid	10.270	122	6938m	15.631	ng	99
33) 4-Chloroaniline	11.063	127	26404	13.432	ng	# 91
34) Hexachlorobutadiene	11.239	225	66327	51.009	ng	95
35) Caprolactam	11.833	113	30648	54.645	ng	# 91
36) 4-Chloro-3-methylphenol	12.185	107	110321	59.757	ng	98
37) 2-Methylnaphthalene	12.549	142	191807	54.758	ng	98
38) 1-Methylnaphthalene	12.767	142	184572m	54.007	ng	
40) 1,2,4,5-Tetrachloroben...	12.919	216	121831	51.811	ng	98
41) Hexachlorocyclopentadiene	12.896	237	102768	104.282	ng	98
43) 2,4,6-Trichlorophenol	13.160	196	89073	58.032	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.236	196	95663	58.560	ng	96
46) 1,1'-Biphenyl	13.548	154	268518	52.807	ng	99
47) 2-Chloronaphthalene	13.595	162	212321	53.295	ng	99
48) 2-Nitroaniline	13.795	65	88945	59.917	ng	98
49) Acenaphthylene	14.441	152	365660	57.519	ng	100
50) Dimethylphthalate	14.165	163	308985	54.507	ng	100
51) 2,6-Dinitrotoluene	14.288	165	66644	57.705	ng	98
52) Acenaphthene	14.781	154	205475	54.235	ng	99
53) 3-Nitroaniline	14.617	138	45460	36.430	ng	99
54) 2,4-Dinitrophenol	14.834	184	18581	29.612	ng	93
55) Dibenzofuran	15.110	168	358400	52.667	ng	96
56) 4-Nitrophenol	14.940	139	98877	110.938	ng	94
57) 2,4-Dinitrotoluene	15.075	165	95793	57.223	ng	# 84
58) Fluorene	15.762	166	298567	54.673	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.345	232	91736	55.348	ng	99
60) Diethylphthalate	15.522	149	321588	54.919	ng	98
61) 4-Chlorophenyl-phenyle...	15.751	204	165869	54.432	ng	97
62) 4-Nitroaniline	15.780	138	70543	54.503	ng	99
63) Azobenzene	16.039	77	321327	53.588	ng	99
65) 4,6-Dinitro-2-methylph...	15.845	198	26209	23.335	ng	97
66) n-Nitrosodiphenylamine	15.962	169	267930	54.139	ng	99
67) 4-Bromophenyl-phenylether	16.644	248	115961	52.676	ng	93
68) Hexachlorobenzene	16.773	284	129455	53.695	ng	98
69) Atrazine	16.908	200	114409	54.914	ng	97
70) Pentachlorophenol	17.119	266	89439	69.532	ng	90
71) Phenanthrene	17.501	178	520653	54.322	ng	97
72) Anthracene	17.595	178	520728	55.275	ng	99
73) Carbazole	17.860	167	478351	51.810	ng	99
74) Di-n-butylphthalate	18.406	149	568207	54.720	ng	100
75) Fluoranthene	19.510	202	669263	53.929	ng	99
77) Benzidine	19.681	184	128206	31.213	ng	97
78) Pyrene	19.869	202	673787	54.617	ng	100
80) Butylbenzylphthalate	20.744	149	251513	55.598	ng	95
81) Benzo(a)anthracene	21.719	228	675630	55.585	ng	100
82) 3,3'-Dichlorobenzidine	21.631	252	152876	49.597	ng	95
83) Chrysene	21.790	228	614738	54.151	ng	97
84) Bis(2-ethylhexyl)phtha...	21.608	149	359781	57.622	ng	99
85) Di-n-octyl phthalate	22.835	149	616777	58.417	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	781925	55.215	ng	# 95
88) Benzo(b)fluoranthene	23.981	252	728266	60.510	ng	99
89) Benzo(k)fluoranthene	24.045	252	662925	56.053	ng	98
90) Benzo(a)pyrene	24.868	252	684449	66.815	ng	# 99
91) Dibenzo(a,h)anthracene	28.839	278	670764	57.483	ng	99
92) Benzo(g,h,i)perylene	29.967	276	670034	57.927	ng	96

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

Manual Integrations

Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022

Abundance

TIC: BG053478.D\data.ms

Time-->

Chemical compounds identified in the chromatogram include:

- 1,4-Dioxane
- n-Propylamine
- methylamine,
- 2-Fluorophenol,S
- Benzaldehyde,C
- Phenol-d6,S
- Chlorobenzene
- 1,4-Dichlorobenzene,C
- Z,Z'-oxybis(2-chloroethanol)
- N,N-Dimethylpropylamine,P
- Sulfonamide
- Hexachlorobenzene-d5,S
- Isobutylene
- 2-Nitrophenol
- bis(2-Chloroethoxy)methane
- 2,4-Dichlorophenol,C
- Naphthalene
- 4-Chlorophenol
- Hexachlorobutadiene,C
- Caprolactam
- 4-Chloro-3-methylphenol,C
- 2-Methylnaphthalene
- Hexachlorocyclopentadiene,P
- 2,4,5-Trichlorophenol,C
- 2-Nitroaniline
- Chlorobiphenyl
- Dimethylphthalate
- 2,6-Dinitrotoluene
- Acenaphthylene
- 3-Nitroquinoline,4-O
- 7,9-Dinitrofluorene,P
- 2,4-Dinitrophenol
- Benzotriazin
- 2,3,4,6-Tetrachlorophthalate
- 4,6-Dinitro-2-methylmethylnitrobenzene
- Azobenzene
- n-Nitrosodiphenyl ether
- 2,4,6-Trinitrophenol,S
- 4-Bromophenylether
- Pentachlorophenol,C
- Phenanthrene-d10,L
- Phenanthrene
- Carbazole
- Di-n-butylphthalate
- Benzidine
- Fluoranthene,C
- Pyrene
- Butyrbenzylphthalate
- Dibenzoylphthalate
- 3,3'-Dibenzoyldiphenylmethane
- Di-n-octyl phthalate,c
- Benzo(a)pyrene
- Benzo(a)pyrene,C
- Perylene-d12,L
- Indeno(1,2,3-cd)pyrene
- Benzo(g,h,i)perylene