Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
Data File : BG057626.D
Acq On : 31 May 2023 18:01
Operator : CG/JU
Sample : 02953-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 01 03:56:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 03:51:58 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PNNL-RH-524-1MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 06/01/2023
Supervised By :mohammad ahmed 06/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	23270	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	90325	20.000	ng	0.00
39) Acenaphthene-d10	14.957	164	65806	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	173778	20.000	ng	0.00
76) Chrysene-d12	22.001	240	155977	20.000	ng	0.00
86) Perylene-d12	25.484	264	166848	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	184183	137.509	ng	0.00
7) Phenol-d6	7.491	99	246526	117.607	ng	0.00
23) Nitrobenzene-d5	9.518	82	172797	89.428	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	138290	131.258	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	409684	89.470	ng	0.00
79) Terphenyl-d14	20.262	244	813306	90.323	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.655	88	21406	38.572	ng	# 48
3) Pyridine	4.090	79	45073	26.566	ng	98
4) n-Nitrosodimethylamine	3.984	42	30195	43.986	ng	88
6) Aniline	7.656	93	52859	20.844	ng	96
8) 2-Chlorophenol	7.902	128	69003	47.986	ng	93
9) Benzaldehyde	7.462	77	29870	21.508	ng	91
10) Phenol	7.520	94	85294	42.991	ng	98
11) bis(2-Chloroethyl)ether	7.738	93	63780	43.053	ng	99
12) 1,3-Dichlorobenzene	8.225	146	69416	45.311	ng	98
13) 1,4-Dichlorobenzene	8.372	146	70455	45.205	ng	97
14) 1,2-Dichlorobenzene	8.695	146	68473	45.042	ng	96
15) Benzyl Alcohol	8.578	79	74062	45.930	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.854	45	81802m	44.469	ng	
17) 2-Methylphenol	8.783	107	61819	42.430	ng	97
18) Hexachloroethane	9.430	117	24715	46.311	ng	97
19) n-Nitroso-di-n-propyla...	9.142	70	59494	40.853	ng	99
20) 3+4-Methylphenols	9.112	107	85426	41.767	ng	99
22) Acetophenone	9.171	105	110243	45.644	ng	97
24) Nitrobenzene	9.565	77	88462	45.102	ng	97
25) Isophorone	10.082	82	163315	43.001	ng	98
26) 2-Nitrophenol	10.281	139	39334	46.772	ng	99
27) 2,4-Dimethylphenol	10.322	122	71294m	49.034	ng	
28) bis(2-Chloroethoxy)met...	10.552	93	89981	45.691	ng	98
29) 2,4-Dichlorophenol	10.828	162	74911	49.055	ng	97
30) 1,2,4-Trichlorobenzene	11.033	180	74732	44.903	ng	99
31) Naphthalene	11.227	128	209455	43.836	ng	98
32) Benzoic acid	10.487	122	32212m	39.383	ng	
33) 4-Chloroaniline	11.339	127	18651	8.488	ng	94
34) Hexachlorobutadiene	11.491	225	51652	44.870	ng	96
35) Caprolactam	12.108	113	23791m	37.581	ng	
36) 4-Chloro-3-methylphenol	12.437	107	84031	46.489	ng	99
37) 2-Methylnaphthalene	12.807	142	156773	41.805	ng	96
38) 1-Methylnaphthalene	13.025	142	149322	41.725	ng	99
40) 1,2,4,5-Tetrachloroben...	13.166	216	104083	48.188	ng	99
41) Hexachlorocyclopentadiene	13.136	237	56493	93.301	ng	95
43) 2,4,6-Trichlorophenol	13.407	196	68907	50.674	ng	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.489	196	74011	45.698	ng		98
46) 1,1'-Biphenyl	13.788	154	227231	48.314	ng		99
47) 2-Chloronaphthalene	13.847	162	173129	48.871	ng		99
48) 2-Nitroaniline	14.047	65	60454	48.717	ng		94
49) Acenaphthylene	14.681	152	277157	46.201	ng		99
50) Dimethylphthalate	14.393	163	245185	45.207	ng		100
51) 2,6-Dinitrotoluene	14.529	165	55072	47.435	ng		96
52) Acenaphthene	15.016	154	170171	46.359	ng		98
53) 3-Nitroaniline	14.863	138	24437	20.180	ng	#	97
54) 2,4-Dinitrophenol	15.081	184	68896	96.710	ng		94
55) Dibenzofuran	15.351	168	287097	45.773	ng		99
56) 4-Nitrophenol	15.181	139	75095	93.074	ng		95
57) 2,4-Dinitrotoluene	15.316	165	82266	47.324	ng		98
58) Fluorene	15.997	166	240949	45.498	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.580	232	75464	49.737	ng		100
60) Diethylphthalate	15.739	149	254432	44.945	ng		99
61) 4-Chlorophenyl-phenyle...	15.974	204	132165	44.781	ng		99
62) 4-Nitroaniline	16.027	138	54659	41.843	ng		91
63) Azobenzene	16.267	77	234823	46.644	ng		99
65) 4,6-Dinitro-2-methylph...	16.085	198	53264	50.339	ng		96
66) n-Nitrosodiphenylamine	16.191	169	212145	46.969	ng		98
67) 4-Bromophenyl-phenylether	16.867	248	92040	47.216	ng		100
68) Hexachlorobenzene	17.002	284	99107	49.323	ng		98
69) Atrazine	17.119	200	91912	47.397	ng		99
70) Pentachlorophenol	17.348	266	97061	94.800	ng		98
71) Phenanthrene	17.736	178	419619	47.186	ng		99
72) Anthracene	17.830	178	420272	46.068	ng		99
73) Carbazole	18.094	167	391227	47.937	ng		99
74) Di-n-butylphthalate	18.605	149	458354	47.310	ng		99
75) Fluoranthene	19.727	202	517172	44.797	ng		100
77) Benzidine	19.910	184	53848m	11.409	ng		
78) Pyrene	20.086	202	524693	47.244	ng		99
80) Butylbenzylphthalate	20.932	149	195637	48.369	ng		98
81) Benzo(a)anthracene	21.977	228	508147	46.959	ng		99
82) 3,3'-Dichlorobenzidine	21.872	252	103245	25.873	ng		97
83) Chrysene	22.048	228	464751	45.448	ng		100
84) Bis(2-ethylhexyl)phtha...	21.813	149	272439	47.220	ng		99
85) Di-n-octyl phthalate	23.099	149	464562	48.578	ng		100
87) Indeno(1,2,3-cd)pyrene	29.520	276	565381	48.603	ng		99
88) Benzo(b)fluoranthene	24.368	252	514771	50.124	ng		99
89) Benzo(k)fluoranthene	24.439	252	496278	47.881	ng		99
90) Benzo(a)pyrene	25.320	252	446405	44.572	ng		99
91) Dibenzo(a,h)anthracene	29.573	278	473725	48.932	ng		99
92) Benzo(g,h,i)perylene	30.789	276	459307	48.646	ng		99

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

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