Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
Data File : BP024121.D
Acq On : 27 Feb 2025 15:08
Operator : RC/JU
Sample : Q1421-05MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 27 15:34:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 18 02:25:07 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
P001-CLAY-CF01-01MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.758	152	426681	20.000	ng		0.00
21) Naphthalene-d8	10.534	136	1618071	20.000	ng		0.00
39) Acenaphthene-d10	14.393	164	912646	20.000	ng		0.00
64) Phenanthrene-d10	17.181	188	1719496	20.000	ng		0.00
76) Chrysene-d12	21.639	240	1738985	20.000	ng		0.00
86) Perylene-d12	25.027	264	1915613	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	1869119	68.353	ng		0.00
7) Phenol-d6	6.940	99	1420482	40.417	ng		0.00
23) Nitrobenzene-d5	8.905	82	2982699	102.839	ng		0.00
42) 2,4,6-Tribromophenol	15.898	330	1787793	159.926	ng		0.00
45) 2-Fluorobiphenyl	12.998	172	6244016	95.646	ng		0.00
79) Terphenyl-d14	19.904	244	8934410	101.662	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.311	88	223967	20.879	ng		97
3) Pyridine	3.705	79	491037	17.607	ng		98
4) n-Nitrosodimethylamine	3.611	42	185712	18.773	ng	#	99
6) Aniline	7.087	93	1074893	33.396	ng		100
8) 2-Chlorophenol	7.328	128	1004552	34.708	ng		97
9) Benzaldehyde	6.905	77	489574	30.511	ng		99
10) Phenol	6.963	94	460147	13.020	ng		99
11) bis(2-Chloroethyl)ether	7.181	93	1191961	42.821	ng		99
12) 1,3-Dichlorobenzene	7.646	146	935910	29.435	ng		99
13) 1,4-Dichlorobenzene	7.793	146	965137	30.015	ng		100
14) 1,2-Dichlorobenzene	8.105	146	952510	30.866	ng		100
15) Benzyl Alcohol	7.993	79	690883	32.114	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.269	45	1184353m	43.830	ng		
17) 2-Methylphenol	8.199	107	694362	32.241	ng		99
18) Hexachloroethane	8.828	117	322379	27.838	ng		98
19) n-Nitroso-di-n-propyla...	8.558	70	879275	46.530	ng		99
20) 3+4-Methylphenols	8.522	107	819458	27.969	ng		99
22) Acetophenone	8.569	105	2016660	48.501	ng	#	99
24) Nitrobenzene	8.946	77	1242598	43.533	ng		98
25) Isophorone	9.469	82	2379783	50.176	ng		98
26) 2-Nitrophenol	9.652	139	592497	45.055	ng		99
27) 2,4-Dimethylphenol	9.716	122	929003	53.817	ng		99
28) bis(2-Chloroethoxy)met...	9.946	93	1536438	44.717	ng		100
29) 2,4-Dichlorophenol	10.187	162	998287	42.376	ng		99
30) 1,2,4-Trichlorobenzene	10.399	180	908773	33.669	ng		98
31) Naphthalene	10.581	128	3222110	37.034	ng		99
32) Benzoic acid	9.799	122	97401	12.027	ng		98
33) 4-Chloroaniline	10.693	127	1158590	37.800	ng		99
34) Hexachlorobutadiene	10.869	225	464071	29.684	ng		99
35) Caprolactam	11.493	113	64266	12.733	ng		92
36) 4-Chloro-3-methylphenol	11.822	107	975221	40.269	ng		98
37) 2-Methylnaphthalene	12.198	142	2231076	38.582	ng		99
38) 1-Methylnaphthalene	12.410	142	2206115	39.216	ng		99
40) 1,2,4,5-Tetrachloroben...	12.563	216	1258547	44.882	ng		99
41) Hexachlorocyclopentadiene	12.551	237	1283263	122.982	ng		99
43) 2,4,6-Trichlorophenol	12.810	196	808337	47.268	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	875339	46.803	ng		98
46) 1,1'-Biphenyl	13.210	154	3368853	47.503	ng		100
47) 2-Chloronaphthalene	13.251	162	2276662	42.467	ng		99
48) 2-Nitroaniline	13.457	65	642995	50.774	ng		97
49) Acenaphthylene	14.110	152	3786403	47.938	ng		99
50) Dimethylphthalate	13.845	163	3686389	57.263	ng		100
51) 2,6-Dinitrotoluene	13.957	165	635338	48.448	ng		99
52) Acenaphthene	14.451	154	2274749	44.722	ng		99
53) 3-Nitroaniline	14.287	138	320040	22.871	ng		93
54) 2,4-Dinitrophenol	14.498	184	496449	59.617	ng		95
55) Dibenzofuran	14.792	168	3556573	43.043	ng		99
56) 4-Nitrophenol	14.616	139	426395	35.275	ng		97
57) 2,4-Dinitrotoluene	14.751	165	892873	52.413	ng		95
58) Fluorene	15.451	166	2924644	45.322	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.028	232	761176	46.909	ng		99
60) Diethylphthalate	15.228	149	2935352	45.932	ng		100
61) 4-Chlorophenyl-phenyle...	15.445	204	1399679	44.066	ng		99
62) 4-Nitroaniline	15.475	138	565516	35.085	ng		96
63) Azobenzene	15.745	77	2846663	47.536	ng		97
65) 4,6-Dinitro-2-methylph...	15.534	198	376344	35.816	ng		99
66) n-Nitrosodiphenylamine	15.663	169	2499612	46.615	ng		99
67) 4-Bromophenyl-phenylether	16.357	248	858199	44.445	ng		98
68) Hexachlorobenzene	16.475	284	1012929	44.582	ng		100
69) Atrazine	16.639	200	952318	69.204	ng		98
70) Pentachlorophenol	16.828	266	1461912	99.067	ng		99
71) Phenanthrene	17.228	178	4418199	45.575	ng		100
72) Anthracene	17.322	178	4495423	48.390	ng		100
73) Carbazole	17.598	167	4309504	48.688	ng		100
74) Di-n-butylphthalate	18.192	149	5193252	50.283	ng		100
75) Fluoranthene	19.310	202	5134314	46.824	ng		98
77) Benzidine	19.504	184	1704366	80.431	ng		100
78) Pyrene	19.686	202	5353144	48.463	ng		100
80) Butylbenzylphthalate	20.645	149	2327290	54.983	ng		95
81) Benzo(a)anthracene	21.616	228	5271907	48.347	ng		100
82) 3,3'-Dichlorobenzidine	21.539	252	1877345	55.096	ng		99
83) Chrysene	21.686	228	4945554	47.034	ng		99
84) Bis(2-ethylhexyl)phtha...	21.557	149	3318151	51.695	ng		100
85) Di-n-octyl phthalate	22.857	149	5427250	52.899	ng		99
87) Indeno(1,2,3-cd)pyrene	28.880	276	6800555	49.902	ng	#	93
88) Benzo(b)fluoranthene	23.957	252	5378136	44.211	ng		99
89) Benzo(k)fluoranthene	24.033	252	5405182	45.650	ng		99
90) Benzo(a)pyrene	24.868	252	5099207	49.393	ng		99
91) Dibenzo(a,h)anthracene	28.956	278	5563977	48.557	ng		99
92) Benzo(g,h,i)perylene	30.080	276	5354431	46.049	ng		100

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

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