Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081523\
Data File : BM041414.D
Acq On : 15 Aug 2023 20:11
Operator : MA/JU
Sample : 03985-02MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PNNL-APM2-0811-1MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023

Quant Time: Aug 16 01:13:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 17:51:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	172932	20.000	ng	-0.01
21) Naphthalene-d8	10.569	136	659057	20.000	ng	-0.01
39) Acenaphthene-d10	14.427	164	391020	20.000	ng	-0.01
64) Phenanthrene-d10	17.186	188	792731	20.000	ng	#-0.02
76) Chrysene-d12	21.397	240	737628	20.000	ng	#-0.02
86) Perylene-d12	23.756	264	862637	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1094372	94.582	ng	0.00
7) Phenol-d6	6.951	99	1299847	86.667	ng	0.00
23) Nitrobenzene-d5	8.945	82	976756	68.922	ng	0.00
42) 2,4,6-Tribromophenol	15.933	330	623794	112.786	ng	-0.01
45) 2-Fluorobiphenyl	13.045	172	2147340	69.373	ng	-0.01
79) Terphenyl-d14	19.827	244	3088057	75.694	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	133686	27.009	ng	# 45
3) Pyridine	3.663	79	313782	24.110	ng	94
4) n-Nitrosodimethylamine	3.575	42	183822	30.539	ng	98
6) Aniline	7.104	93	297583	16.954	ng	99
8) 2-Chlorophenol	7.334	128	415344	36.770	ng	98
9) Benzaldehyde	6.916	77	166255m	21.008	ng	
10) Phenol	6.981	94	475117	32.799	ng	95
11) bis(2-Chloroethyl)ether	7.204	93	406744	34.688	ng	96
12) 1,3-Dichlorobenzene	7.651	146	452500	36.802	ng	99
13) 1,4-Dichlorobenzene	7.798	146	459874	37.211	ng	99
14) 1,2-Dichlorobenzene	8.116	146	442624	37.353	ng	98
15) Benzyl Alcohol	8.028	79	403598	42.611	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	466654	29.869	ng	92
17) 2-Methylphenol	8.228	107	341579	34.515	ng	97
18) Hexachloroethane	8.828	117	171122	37.192	ng	90
19) n-Nitroso-di-n-propyla...	8.586	70	341901	37.531	ng	96
20) 3+4-Methylphenols	8.563	107	457841	34.600	ng	96
22) Acetophenone	8.604	105	640639	36.703	ng	99
24) Nitrobenzene	8.986	77	507924	35.441	ng	99
25) Isophorone	9.510	82	914253	38.004	ng	98
26) 2-Nitrophenol	9.692	139	226918	40.502	ng	95
27) 2,4-Dimethylphenol	9.757	122	350523	35.555	ng	98
28) bis(2-Chloroethoxy)met...	9.992	93	540027	35.836	ng	100
29) 2,4-Dichlorophenol	10.228	162	409991	41.238	ng	98
30) 1,2,4-Trichlorobenzene	10.433	180	456607	41.569	ng	99
31) Naphthalene	10.616	128	1248370	34.906	ng	99
32) Benzoic acid	9.951	122	261461	37.203	ng	95
33) 4-Chloroaniline	10.763	127	63772	4.462	ng	98
34) Hexachlorobutadiene	10.886	225	298682	45.211	ng	99
35) Caprolactam	11.574	113	96658m	33.608	ng	
36) 4-Chloro-3-methylphenol	11.892	107	404260	38.633	ng	97
37) 2-Methylnaphthalene	12.239	142	857180	35.551	ng	99
38) 1-Methylnaphthalene	12.457	142	813701	36.057	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	511131	40.257	ng	# 97
41) Hexachlorocyclopentadiene	12.569	237	365689	54.440	ng	98
43) 2,4,6-Trichlorophenol	12.863	196	339564	41.726	ng	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.939	196	359155	38.131	ng		96
46) 1,1'-Biphenyl	13.257	154	1147022	36.184	ng		98
47) 2-Chloronaphthalene	13.298	162	900951	38.064	ng		99
48) 2-Nitroaniline	13.527	65	271552	35.942	ng		99
49) Acenaphthylene	14.151	152	1417643	37.107	ng		99
50) Dimethylphthalate	13.904	163	1135446	38.603	ng		99
51) 2,6-Dinitrotoluene	14.033	165	242505	39.791	ng		95
52) Acenaphthene	14.492	154	814975	35.411	ng		99
53) 3-Nitroaniline	14.363	138	117035	18.282	ng		97
54) 2,4-Dinitrophenol	14.586	184	180798	46.561	ng		89
55) Dibenzofuran	14.833	168	1347960	35.898	ng		100
56) 4-Nitrophenol	14.686	139	330275	65.025	ng		94
57) 2,4-Dinitrotoluene	14.827	165	328342	38.298	ng		93
58) Fluorene	15.486	166	1080808	36.486	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.063	232	309772	40.614	ng		95
60) Diethylphthalate	15.262	149	1087152	38.221	ng		99
61) 4-Chlorophenyl-phenyle...	15.480	204	584475	39.374	ng		96
62) 4-Nitroaniline	15.539	138	189784	30.822	ng		93
63) Azobenzene	15.774	77	1081214	34.702	ng		97
65) 4,6-Dinitro-2-methylph...	15.592	198	140547	29.266	ng		87
66) n-Nitrosodiphenylamine	15.704	169	907379	36.804	ng		99
67) 4-Bromophenyl-phenylether	16.374	248	351977	40.496	ng		97
68) Hexachlorobenzene	16.486	284	403644	41.764	ng		96
69) Atrazine	16.662	200	337665	52.152	ng		99
70) Pentachlorophenol	16.839	266	454888	67.970	ng		99
71) Phenanthrene	17.233	178	1595061	36.215	ng		100
72) Anthracene	17.321	178	1606263	36.874	ng		100
73) Carbazole	17.604	167	1440134	36.527	ng		100
74) Di-n-butylphthalate	18.162	149	1820329	40.858	ng		100
75) Fluoranthene	19.256	202	1850816	37.403	ng		98
77) Benzidine	19.456	184	592743	58.957	ng		100
78) Pyrene	19.621	202	1921522	37.251	ng		99
80) Butylbenzylphthalate	20.527	149	773773	41.077	ng		98
81) Benzo(a)anthracene	21.380	228	1926830	38.533	ng		99
82) 3,3'-Dichlorobenzidine	21.321	252	453683	27.804	ng	#	99
83) Chrysene	21.433	228	1773966	36.677	ng		99
84) Bis(2-ethylhexyl)phtha...	21.297	149	1158430	39.215	ng		97
85) Di-n-octyl phthalate	22.215	149	1911291	40.146	ng	#	95
87) Indeno(1,2,3-cd)pyrene	26.203	276	2386046	37.622	ng	#	94
88) Benzo(b)fluoranthene	23.038	252	1993013	38.891	ng	#	98
89) Benzo(k)fluoranthene	23.086	252	1889955	36.054	ng		98
90) Benzo(a)pyrene	23.650	252	1758266	35.708	ng	#	97
91) Dibenzo(a,h)anthracene	26.215	278	2011297	38.021	ng	#	96
92) Benzo(g,h,i)perylene	26.950	276	1915707	37.010	ng	#	95

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

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