Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110822\
Data File : BM037425.D
Acq On : 08 Nov 2022 12:53
Operator : CG/JU
Sample : N5451-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

Quant Time: Nov 08 14:58:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 14:43:08 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.828	152	363919	20.000	ng		0.00
21) Naphthalene-d8	10.628	136	1418806	20.000	ng		0.00
39) Acenaphthene-d10	14.463	164	778600	20.000	ng		0.00
64) Phenanthrene-d10	17.204	188	1368418	20.000	ng		0.00
76) Chrysene-d12	21.380	240	1018752	20.000	ng		0.00
86) Perylene-d12	23.715	264	1075620	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.398	112	2376113	112.802	ng		0.00
7) Phenol-d6	7.010	99	3119607	109.119	ng		0.00
23) Nitrobenzene-d5	8.998	82	1737581	61.788	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	1017633	110.907	ng		0.00
45) 2-Fluorobiphenyl	13.092	172	3415010	58.278	ng		0.00
79) Terphenyl-d14	19.827	244	3449312	60.717	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	320621	37.171	ng		97
3) Pyridine	3.693	79	917182	35.691	ng		98
4) n-Nitrosodimethylamine	3.604	42	478248	42.579	ng		94
6) Aniline	7.163	93	1642500	46.996	ng		100
8) 2-Chlorophenol	7.392	128	1248040	48.680	ng		99
9) Benzaldehyde	6.975	77	711730	49.182	ng		99
10) Phenol	7.034	94	1535116	47.921	ng		99
11) bis(2-Chloroethyl)ether	7.263	93	1160684	45.192	ng		98
12) 1,3-Dichlorobenzene	7.710	146	1303609	46.532	ng		100
13) 1,4-Dichlorobenzene	7.863	146	1326424	45.900	ng		99
14) 1,2-Dichlorobenzene	8.175	146	1274985	45.938	ng		98
15) Benzyl Alcohol	8.081	79	991895	48.529	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.351	45	1618727	44.209	ng		99
17) 2-Methylphenol	8.281	107	975961	46.619	ng		99
18) Hexachloroethane	8.898	117	488647	47.948	ng		98
19) n-Nitroso-di-n-propyla...	8.645	70	875716	44.680	ng		98
20) 3+4-Methylphenols	8.616	107	1421232	49.424	ng		99
22) Acetophenone	8.663	105	1728114	46.861	ng	#	99
24) Nitrobenzene	9.039	77	1278882	44.857	ng		99
25) Isophorone	9.569	82	2276129	48.429	ng		100
26) 2-Nitrophenol	9.745	139	640897	50.213	ng		96
27) 2,4-Dimethylphenol	9.810	122	1066674	56.313	ng		98
28) bis(2-Chloroethoxy)met...	10.051	93	1466795	50.160	ng		100
29) 2,4-Dichlorophenol	10.280	162	1069790	49.200	ng		99
30) 1,2,4-Trichlorobenzene	10.486	180	1154188	46.808	ng		98
31) Naphthalene	10.675	128	3521157	43.804	ng		99
32) Benzoic acid	9.975	122	613016	37.368	ng		99
33) 4-Chloroaniline	10.798	127	1075666	33.594	ng		100
34) Hexachlorobutadiene	10.951	225	668672	48.564	ng		98
35) Caprolactam	11.622	113	289099	43.734	ng		97
36) 4-Chloro-3-methylphenol	11.927	107	1015933	45.339	ng		98
37) 2-Methylnaphthalene	12.286	142	2425901	44.543	ng		99
38) 1-Methylnaphthalene	12.510	142	2267851	42.616	ng		99
40) 1,2,4,5-Tetrachloroben...	12.657	216	1221179	52.164	ng		99
41) Hexachlorocyclopentadiene	12.627	237	1397551	125.299	ng		100
43) 2,4,6-Trichlorophenol	12.904	196	801676	49.745	ng		99

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44) 2,4,5-Trichlorophenol	12.974	196	851151	47.878	ng	99
46) 1,1'-Biphenyl	13.304	154	3038315	48.356	ng	99
47) 2-Chloronaphthalene	13.345	162	2324236	46.484	ng	99
48) 2-Nitroaniline	13.563	65	660852	45.736	ng	98
49) Acenaphthylene	14.186	152	3534734	45.541	ng	100
50) Dimethylphthalate	13.939	163	2671662	44.924	ng	99
51) 2,6-Dinitrotoluene	14.057	165	581480	46.171	ng	99
52) Acenaphthene	14.527	154	2125538	44.296	ng	99
53) 3-Nitroaniline	14.392	138	486176	34.555	ng	99
54) 2,4-Dinitrophenol	14.598	184	529934	65.202	ng	94
55) Dibenzofuran	14.863	168	3258706	44.091	ng	99
56) 4-Nitrophenol	14.704	139	965131	85.986	ng	98
57) 2,4-Dinitrotoluene	14.845	165	768053	46.346	ng	99
58) Fluorene	15.510	166	2726258	44.192	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.092	232	672418	45.127	ng	98
60) Diethylphthalate	15.292	149	2632155	45.538	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	1350520	47.319	ng	97
62) 4-Nitroaniline	15.551	138	563119m	39.907	ng	
63) Azobenzene	15.798	77	2508808	44.059	ng	98
65) 4,6-Dinitro-2-methylph...	15.604	198	342002	37.097	ng	99
66) n-Nitrosodiphenylamine	15.727	169	2184992	47.239	ng	100
67) 4-Bromophenyl-phenylether	16.398	248	774217	50.417	ng	98
68) Hexachlorobenzene	16.509	284	899069	48.378	ng	97
69) Atrazine	16.680	200	691594	59.425	ng	100
70) Pentachlorophenol	16.857	266	1031640	95.401	ng	98
71) Phenanthrene	17.251	178	3688391	43.445	ng	100
72) Anthracene	17.339	178	3735107	46.472	ng	100
73) Carbazole	17.615	167	3261435	44.238	ng	100
74) Di-n-butylphthalate	18.174	149	4322413	53.096	ng	100
75) Fluoranthene	19.262	202	3769948	42.008	ng	99
77) Benzidine	19.456	184	1816799	119.597	ng	99
78) Pyrene	19.621	202	3772945	48.162	ng	100
80) Butylbenzylphthalate	20.521	149	1635798	58.470	ng	98
81) Benzo(a)anthracene	21.362	228	3281018	45.238	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1164267	54.655	ng	98
83) Chrysene	21.415	228	3054271	43.709	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	2822332	75.164	ng	98
85) Di-n-octyl phthalate	22.191	149	3488642	58.993	ng	99
87) Indeno(1,2,3-cd)pyrene	26.132	276	4333566	49.206	ng	98
88) Benzo(b)fluoranthene	23.003	252	3487526	46.703	ng	99
89) Benzo(k)fluoranthene	23.050	252	3403113	44.678	ng	99
90) Benzo(a)pyrene	23.609	252	3050567	50.138	ng	99
91) Dibenzo(a,h)anthracene	26.144	278	3676690	50.272	ng	99
92) Benzo(g,h,i)perylene	26.874	276	3559249	50.004	ng	98

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

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