Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080423\
Data File : BM041287.D
Acq On : 04 Aug 2023 10:38
Operator : MA/JU
Sample : 03854-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 12:12:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 19:20:51 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BERGENFIELD-SOIL-COMPMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
08/07/2023
Supervised By :mohammad ahmed
08/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	151197	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	641163	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	414947	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	957975	20.000	ng	0.00
76) Chrysene-d12	21.433	240	924548	20.000	ng	0.00
86) Perylene-d12	23.803	264	936138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1134766	112.172	ng	0.00
7) Phenol-d6	6.981	99	1417225	108.076	ng	0.00
23) Nitrobenzene-d5	8.975	82	1043344	75.675	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	840227	143.159	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	2460216	74.898	ng	0.00
79) Terphenyl-d14	19.862	244	4437216	86.775	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.269	88	126630	29.261	ng	# 43
3) Pyridine	3.681	79	326812	28.721	ng	94
4) n-Nitrosodimethylamine	3.587	42	179944	34.192	ng	89
6) Aniline	7.134	93	357169	23.274	ng	97
8) 2-Chlorophenol	7.363	128	452455	45.814	ng	97
9) Benzaldehyde	6.945	77	194484m	28.108	ng	
10) Phenol	7.010	94	527299	41.634	ng	98
11) bis(2-Chloroethyl)ether	7.228	93	431548	42.094	ng	97
12) 1,3-Dichlorobenzene	7.681	146	461364	42.917	ng	99
13) 1,4-Dichlorobenzene	7.828	146	477247	44.168	ng	100
14) 1,2-Dichlorobenzene	8.145	146	463293	44.718	ng	99
15) Benzyl Alcohol	8.051	79	450671	54.421	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	522198	38.229	ng	95
17) 2-Methylphenol	8.257	107	388870	44.942	ng	99
18) Hexachloroethane	8.863	117	178982	44.493	ng	89
19) n-Nitroso-di-n-propyla...	8.616	70	374351	47.000	ng	95
20) 3+4-Methylphenols	8.586	107	531655	45.954	ng	98
22) Acetophenone	8.633	105	711493	41.900	ng	98
24) Nitrobenzene	9.016	77	551420	39.549	ng	100
25) Isophorone	9.539	82	1062873	45.414	ng	99
26) 2-Nitrophenol	9.722	139	259736	47.654	ng	94
27) 2,4-Dimethylphenol	9.792	122	407859	42.525	ng	99
28) bis(2-Chloroethoxy)met...	10.022	93	618090	42.161	ng	99
29) 2,4-Dichlorophenol	10.257	162	478231	49.444	ng	99
30) 1,2,4-Trichlorobenzene	10.463	180	480972	45.009	ng	99
31) Naphthalene	10.651	128	1387205	39.870	ng	100
32) Benzoic acid	9.951	122	181654	28.614	ng	97
33) 4-Chloroaniline	10.786	127	101022	7.265	ng	97
34) Hexachlorobutadiene	10.916	225	296084	46.069	ng	98
35) Caprolactam	11.610	113	134483m	48.065	ng	
36) 4-Chloro-3-methylphenol	11.922	107	512021	50.296	ng	97
37) 2-Methylnaphthalene	12.269	142	996464	42.481	ng	99
38) 1-Methylnaphthalene	12.492	142	955604	43.527	ng	100
40) 1,2,4,5-Tetrachloroben...	12.645	216	570298	42.326	ng	# 97
41) Hexachlorocyclopentadiene	12.604	237	496544	69.658	ng	98
43) 2,4,6-Trichlorophenol	12.898	196	416443	48.222	ng	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	464007	46.422	ng		93
46) 1,1'-Biphenyl	13.292	154	1350605	40.150	ng		98
47) 2-Chloronaphthalene	13.333	162	1069229	42.569	ng		99
48) 2-Nitroaniline	13.563	65	367039	45.780	ng		94
49) Acenaphthylene	14.186	152	1749408	43.151	ng		100
50) Dimethylphthalate	13.933	163	1468875	47.060	ng		100
51) 2,6-Dinitrotoluene	14.063	165	314074	48.563	ng		95
52) Acenaphthene	14.527	154	1002606	41.051	ng		100
53) 3-Nitroaniline	14.392	138	218848	30.250	ng		95
54) 2,4-Dinitrophenol	14.615	184	215978	51.680	ng	#	87
55) Dibenzofuran	14.863	168	1698014	42.612	ng		99
56) 4-Nitrophenol	14.721	139	478163	88.713	ng		95
57) 2,4-Dinitrotoluene	14.857	165	449102	48.592	ng		94
58) Fluorene	15.515	166	1381116	43.935	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	412599	50.976	ng		95
60) Diethylphthalate	15.298	149	1424727	47.201	ng		98
61) 4-Chlorophenyl-phenyle...	15.510	204	725117	46.032	ng		97
62) 4-Nitroaniline	15.568	138	296745	43.450	ng		97
63) Azobenzene	15.810	77	1386592	41.937	ng		95
65) 4,6-Dinitro-2-methylph...	15.627	198	187489	32.307	ng		87
66) n-Nitrosodiphenylamine	15.733	169	1194760	40.101	ng		99
67) 4-Bromophenyl-phenylether	16.409	248	460496	43.842	ng		98
68) Hexachlorobenzene	16.521	284	544095	46.586	ng		96
69) Atrazine	16.698	200	463792	59.276	ng		100
70) Pentachlorophenol	16.880	266	626044	77.409	ng		99
71) Phenanthrene	17.268	178	2206177	41.450	ng		100
72) Anthracene	17.356	178	2243134	42.612	ng		100
73) Carbazole	17.639	167	2100890	44.094	ng		100
74) Di-n-butylphthalate	18.198	149	2614362	48.558	ng		99
75) Fluoranthene	19.292	202	2743827	45.885	ng		99
77) Benzidine	19.492	184	608460	48.285	ng		100
78) Pyrene	19.656	202	2870603	44.399	ng		99
80) Butylbenzylphthalate	20.562	149	1231147	52.143	ng		94
81) Benzo(a)anthracene	21.415	228	2856199	45.570	ng		99
82) 3,3'-Dichlorobenzidine	21.350	252	573069	28.020	ng		99
83) Chrysene	21.468	228	2571441	42.416	ng		99
84) Bis(2-ethylhexyl)phtha...	21.333	149	1834968	48.889	ng		97
85) Di-n-octyl phthalate	22.250	149	3113166	52.171	ng		95
87) Indeno(1,2,3-cd)pyrene	26.274	276	2630237	38.216	ng	#	95
88) Benzo(b)fluoranthene	23.085	252	2626871	47.235	ng	#	98
89) Benzo(k)fluoranthene	23.138	252	2525390m	44.394	ng		
90) Benzo(a)pyrene	23.703	252	2187898	40.945	ng	#	97
91) Dibenzo(a,h)anthracene	26.279	278	2206190	38.431	ng		97
92) Benzo(g,h,i)perylene	27.026	276	2021114	35.981	ng		96

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

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