Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
Data File : BM044059.D
Acq On : 12 Feb 2024 16:30
Operator : MA/JU
Sample : 04699-03
Misc : MDL-MDL-SOIL-8PPM
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 12 17:23:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 09 02:42:01 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.904	152	499261	20.000	ng		0.00
21) Naphthalene-d8	10.704	136	2052323	20.000	ng		-0.01
39) Acenaphthene-d10	14.551	164	1176277	20.000	ng		0.00
64) Phenanthrene-d10	17.298	188	2268391	20.000	ng		0.00
76) Chrysene-d12	21.498	240	1844234	20.000	ng		0.00
86) Perylene-d12	23.897	264	1995058	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	2851396	83.066	ng		0.00
7) Phenol-d6	7.075	99	3660162	83.803	ng		0.00
23) Nitrobenzene-d5	9.075	82	2409406	62.296	ng		0.00
42) 2,4,6-Tribromophenol	16.039	330	1072186	84.186	ng		0.00
45) 2-Fluorobiphenyl	13.175	172	5104839	61.249	ng		0.00
79) Terphenyl-d14	19.945	244	6432845	61.147	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	89894	6.599	ng		100
3) Pyridine	3.787	79	197173	5.482	ng		98
4) n-Nitrosodimethylamine	3.710	42	87191	6.389	ng	#	94
6) Aniline	7.240	93	302617	7.047	ng		98
8) 2-Chlorophenol	7.469	128	212753	5.935	ng		96
9) Benzaldehyde	7.051	77	189273m	8.433	ng		
10) Phenol	7.098	94	267573	6.070	ng		97
11) bis(2-Chloroethyl)ether	7.340	93	220561	6.042	ng		97
12) 1,3-Dichlorobenzene	7.793	146	237639	5.839	ng		98
13) 1,4-Dichlorobenzene	7.940	146	242894	5.921	ng		98
14) 1,2-Dichlorobenzene	8.257	146	232874	5.957	ng		97
15) Benzyl Alcohol	8.151	79	171614	6.035	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.445	45	290991	6.289	ng		98
17) 2-Methylphenol	8.351	107	165647	5.725	ng		97
18) Hexachloroethane	8.981	117	87358	5.687	ng		98
19) n-Nitroso-di-n-propyla...	8.722	70	164492	6.133	ng		99
20) 3+4-Methylphenols	8.681	107	220686	5.542	ng		99
22) Acetophenone	8.734	105	332378	6.380	ng	#	97
24) Nitrobenzene	9.116	77	246659	6.228	ng		96
25) Isophorone	9.640	82	433931	5.827	ng		98
26) 2-Nitrophenol	9.822	139	95368	5.194	ng		98
27) 2,4-Dimethylphenol	9.887	122	158956	6.770	ng		98
28) bis(2-Chloroethoxy)met...	10.134	93	290770	6.037	ng		99
29) 2,4-Dichlorophenol	10.351	162	171744	5.556	ng		95
30) 1,2,4-Trichlorobenzene	10.569	180	206339	5.936	ng		98
31) Naphthalene	10.757	128	681515	6.017	ng		99
32) Benzoic acid	9.957	122	73947m	3.126	ng		
33) 4-Chloroaniline	10.875	127	268200	6.253	ng		98
34) Hexachlorobutadiene	11.034	225	112143	5.636	ng		98
35) Caprolactam	11.639	113	49172	4.943	ng		92
36) 4-Chloro-3-methylphenol	11.998	107	183216	5.473	ng		99
37) 2-Methylnaphthalene	12.369	142	440695	5.841	ng		96
38) 1-Methylnaphthalene	12.586	142	435235	5.870	ng		100
40) 1,2,4,5-Tetrachloroben...	12.733	216	213343	6.240	ng		100
41) Hexachlorocyclopentadiene	12.704	237	102961	6.900	ng		97
43) 2,4,6-Trichlorophenol	12.980	196	124571	5.354	ng		95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	138035	5.406	ng	98
46) 1,1'-Biphenyl	13.386	154	592426	6.383	ng	99
47) 2-Chloronaphthalene	13.422	162	436544	5.937	ng	98
48) 2-Nitroaniline	13.633	65	111270	5.379	ng	86
49) Acenaphthylene	14.269	152	712568	6.496	ng	99
50) Dimethylphthalate	14.016	163	527618	6.050	ng	99
51) 2,6-Dinitrotoluene	14.139	165	102093	5.306	ng	96
52) Acenaphthene	14.610	154	409478	6.032	ng	98
53) 3-Nitroaniline	14.463	138	109303	5.286	ng	90
54) 2,4-Dinitrophenol	14.669	184	33840	8.313	ng	92
55) Dibenzofuran	14.945	168	661804	6.298	ng	98
56) 4-Nitrophenol	14.763	139	75090	4.467	ng	93
57) 2,4-Dinitrotoluene	14.922	165	124730	4.960	ng	97
58) Fluorene	15.598	166	516582	6.362	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.169	232	116697	5.824	ng	98
60) Diethylphthalate	15.380	149	511739	5.678	ng	98
61) 4-Chlorophenyl-phenyle...	15.598	204	247825	6.299	ng	98
62) 4-Nitroaniline	15.621	138	101933	4.897	ng	96
63) Azobenzene	15.892	77	504751	5.969	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	54745	4.050	ng	99
66) n-Nitrosodiphenylamine	15.816	169	429001	6.225	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	122745	5.473	ng	98
68) Hexachlorobenzene	16.592	284	163746	5.960	ng	99
69) Atrazine	16.774	200	130319	6.984	ng	100
70) Pentachlorophenol	16.939	266	78720	4.405	ng	100
71) Phenanthrene	17.345	178	774348	6.464	ng	99
72) Anthracene	17.433	178	744229	6.276	ng	99
73) Carbazole	17.710	167	679477	5.892	ng	98
74) Di-n-butylphthalate	18.286	149	778000	5.190	ng	99
75) Fluoranthene	19.362	202	789621	5.868	ng	99
77) Benzidine	19.562	184	241168	8.415	ng	98
78) Pyrene	19.727	202	833190	5.866	ng	100
80) Butylbenzylphthalate	20.651	149	286241	4.534	ng	97
81) Benzo(a)anthracene	21.486	228	761527	5.936	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	241317	5.733	ng	96
83) Chrysene	21.539	228	724052	5.974	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	442762	4.753	ng	99
85) Di-n-octyl phthalate	22.374	149	675675	4.153	ng	97
87) Indeno(1,2,3-cd)pyrene	26.374	276	812265	5.752	ng	99
88) Benzo(b)fluoranthene	23.168	252	733356	5.880	ng	99
89) Benzo(k)fluoranthene	23.215	252	686816	5.796	ng	100
90) Benzo(a)pyrene	23.786	252	601823	5.525	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	687544	5.821	ng	98
92) Benzo(g,h,i)perylene	27.132	276	661324	5.521	ng	98

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

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