Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
Data File : BM044052.D
Acq On : 12 Feb 2024 12:17
Operator : MA/JU
Sample : 03572-03
Misc : MDL-MDL-SOIL-4PPM
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 12 12:49:46 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-QT3-2023

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	344551	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	1675474	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1013399	20.000	ng		0.00
64) Phenanthrene-d10	17.298	188	1977086	20.000	ng		0.00
76) Chrysene-d12	21.503	240	1618787	20.000	ng		0.00
86) Perylene-d12	23.897	264	1818477	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	3453520	145.781	ng		0.00
7) Phenol-d6	7.075	99	4825807	160.105	ng		0.00
23) Nitrobenzene-d5	9.075	82	2586556	81.918	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1477409	134.648	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	5776208	80.443	ng		0.00
79) Terphenyl-d14	19.945	244	7200315	77.974	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	39648	4.217	ng		99
3) Pyridine	3.793	79	95915	3.864	ng	#	94
4) n-Nitrosodimethylamine	3.710	42	40490	4.299	ng	#	89
6) Aniline	7.239	93	153494	5.179	ng		98
8) 2-Chlorophenol	7.469	128	97102	3.925	ng		97
9) Benzaldehyde	7.057	77	87836m	5.671	ng		
10) Phenol	7.098	94	143574	4.720	ng		93
11) bis(2-Chloroethyl)ether	7.339	93	109341	4.341	ng		96
12) 1,3-Dichlorobenzene	7.792	146	102970	3.666	ng		100
13) 1,4-Dichlorobenzene	7.939	146	105913	3.741	ng		99
14) 1,2-Dichlorobenzene	8.257	146	101424	3.760	ng		99
15) Benzyl Alcohol	8.151	79	90130m	4.592	ng		
16) 2,2'-oxybis(1-Chloropr...	8.439	45	148653	4.655	ng		97
17) 2-Methylphenol	8.351	107	87793	4.397	ng		97
18) Hexachloroethane	8.975	117	37255	3.514	ng		98
19) n-Nitroso-di-n-propyla...	8.716	70	85210	4.604	ng		97
20) 3+4-Methylphenols	8.681	107	113027	4.113	ng		94
22) Acetophenone	8.739	105	172678	4.060	ng	#	96
24) Nitrobenzene	9.116	77	129849	4.016	ng		98
25) Isophorone	9.639	82	218782	3.598	ng		97
26) 2-Nitrophenol	9.828	139	44564	2.973	ng		92
27) 2,4-Dimethylphenol	9.886	122	83207	4.341	ng		97
28) bis(2-Chloroethoxy)met...	10.133	93	152063	3.867	ng		99
29) 2,4-Dichlorophenol	10.351	162	85536	3.389	ng		95
30) 1,2,4-Trichlorobenzene	10.569	180	101324	3.571	ng		99
31) Naphthalene	10.757	128	346114	3.743	ng		99
32) Benzoic acid	9.945	122	34104	1.766	ng		98
33) 4-Chloroaniline	10.880	127	134898	3.852	ng		97
34) Hexachlorobutadiene	11.033	225	54089	3.330	ng		92
35) Caprolactam	11.651	113	23482	2.892	ng		96
36) 4-Chloro-3-methylphenol	11.998	107	89575	3.278	ng		97
37) 2-Methylnaphthalene	12.374	142	226978	3.685	ng		98
38) 1-Methylnaphthalene	12.592	142	228330	3.772	ng		97
40) 1,2,4,5-Tetrachloroben...	12.733	216	111812	3.796	ng		100
41) Hexachlorocyclopentadiene	12.704	237	50665	3.941	ng		99
43) 2,4,6-Trichlorophenol	12.980	196	60664	3.026	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	67020	3.046	ng		97
46) 1,1'-Biphenyl	13.386	154	307239	3.842	ng		99
47) 2-Chloronaphthalene	13.421	162	234550	3.703	ng		99
48) 2-Nitroaniline	13.639	65	53002	2.974	ng		89
49) Acenaphthylene	14.268	152	368079	3.895	ng		99
50) Dimethylphthalate	14.015	163	269632	3.588	ng		100
51) 2,6-Dinitrotoluene	14.139	165	47433	2.861	ng	#	87
52) Acenaphthene	14.610	154	214490	3.667	ng		99
53) 3-Nitroaniline	14.468	138	50449	2.832	ng	#	95
54) 2,4-Dinitrophenol	14.668	184	15159	7.005	ng		91
55) Dibenzofuran	14.951	168	353404	3.904	ng		99
56) 4-Nitrophenol	14.768	139	32850m	2.268	ng		
57) 2,4-Dinitrotoluene	14.921	165	58452	2.698	ng		93
58) Fluorene	15.598	166	272052	3.889	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	57428	3.327	ng		99
60) Diethylphthalate	15.380	149	259883	3.347	ng		98
61) 4-Chlorophenyl-phenyle...	15.598	204	132767	3.917	ng		96
62) 4-Nitroaniline	15.627	138	44797	2.498	ng		87
63) Azobenzene	15.892	77	247695	3.400	ng		97
65) 4,6-Dinitro-2-methylph...	15.680	198	23730	2.014	ng		87
66) n-Nitrosodiphenylamine	15.815	169	216010	3.596	ng		99
67) 4-Bromophenyl-phenylether	16.498	248	65869	3.370	ng		96
68) Hexachlorobenzene	16.592	284	86784	3.624	ng		95
69) Atrazine	16.774	200	64845	3.987	ng		98
70) Pentachlorophenol	16.945	266	36225	2.326	ng		97
71) Phenanthrene	17.339	178	407375	3.902	ng		99
72) Anthracene	17.433	178	384004	3.715	ng		99
73) Carbazole	17.709	167	339715	3.380	ng		98
74) Di-n-butylphthalate	18.286	149	373346	2.857	ng		99
75) Fluoranthene	19.362	202	407147	3.472	ng		99
77) Benzidine	19.562	184	38237m	1.520	ng		
78) Pyrene	19.727	202	429017	3.441	ng		99
80) Butylbenzylphthalate	20.650	149	130601	2.357	ng		99
81) Benzo(a)anthracene	21.486	228	403938	3.587	ng		100
82) 3,3'-Dichlorobenzidine	21.427	252	118639	3.211	ng		99
83) Chrysene	21.539	228	389215	3.659	ng		98
84) Bis(2-ethylhexyl)phtha...	21.439	149	199005	2.434	ng		98
85) Di-n-octyl phthalate	22.374	149	305912	2.142	ng	#	97
87) Indeno(1,2,3-cd)pyrene	26.379	276	454439	3.531	ng		99
88) Benzo(b)fluoranthene	23.168	252	389087	3.423	ng		99
89) Benzo(k)fluoranthene	23.215	252	376935	3.490	ng		98
90) Benzo(a)pyrene	23.791	252	326985	3.293	ng		98
91) Dibenzo(a,h)anthracene	26.403	278	382542	3.553	ng		99
92) Benzo(g,h,i)perylene	27.138	276	374735	3.432	ng		97

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

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