Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
Data File : BM038465.D
Acq On : 17 Jan 2023 14:11
Operator : CG/JU
Sample : N3980-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 04:49:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 03:06:05 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Manual Integrations APPROVED
Reviewed By :Christian Giraldo
01/24/2023
Supervised By :Jagrut Upadhyay
01/27/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.975	152	49473	20.000	ng		0.00
21) Naphthalene-d8	10.786	136	175162	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	109185	20.000	ng		0.00
64) Phenanthrene-d10	17.351	188	252778	20.000	ng		0.00
76) Chrysene-d12	21.527	240	285832	20.000	ng		0.00
86) Perylene-d12	23.950	264	352680	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	309801	95.521	ng		-0.01
7) Phenol-d6	7.140	99	376182	90.546	ng		0.00
23) Nitrobenzene-d5	9.151	82	299833	69.745	ng		0.00
42) 2,4,6-Tribromophenol	16.098	330	170851	92.563	ng		0.00
45) 2-Fluorobiphenyl	13.239	172	567778	64.851	ng		0.00
79) Terphenyl-d14	19.968	244	1102103	72.181	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.381	88	12299	8.298	ng		96
3) Pyridine	3.810	79	25915m	6.044	ng		
4) n-Nitrosodimethylamine	3.710	42	18763m	7.396	ng		
6) Aniline	7.304	93	34063	6.491	ng		100
8) 2-Chlorophenol	7.540	128	22620	7.044	ng		99
9) Benzaldehyde	7.122	77	24266	8.734	ng		99
10) Phenol	7.163	94	30315	7.002	ng		88
11) bis(2-Chloroethyl)ether	7.398	93	24754	7.055	ng		99
12) 1,3-Dichlorobenzene	7.863	146	25208	7.328	ng		98
13) 1,4-Dichlorobenzene	8.010	146	25193	7.279	ng		97
14) 1,2-Dichlorobenzene	8.328	146	25190	7.444	ng		97
15) Benzyl Alcohol	8.228	79	21780	6.545	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.498	45	36451	7.452	ng		97
17) 2-Methylphenol	8.428	107	17477	5.977	ng		97
18) Hexachloroethane	9.057	117	10277	7.250	ng		99
19) n-Nitroso-di-n-propyla...	8.787	70	20452	6.782	ng		94
20) 3+4-Methylphenols	8.757	107	23954	6.101	ng		95
22) Acetophenone	8.810	105	37242	7.193	ng	#	96
24) Nitrobenzene	9.192	77	34098m	7.507	ng		
25) Isophorone	9.716	82	48831	6.413	ng		98
26) 2-Nitrophenol	9.904	139	10145	6.362	ng		95
27) 2,4-Dimethylphenol	9.963	122	16909	6.227	ng		96
28) bis(2-Chloroethoxy)met...	10.198	93	28839	6.734	ng		99
29) 2,4-Dichlorophenol	10.439	162	19179	6.393	ng		98
30) 1,2,4-Trichlorobenzene	10.651	180	22616	6.519	ng		98
31) Naphthalene	10.839	128	61756	6.653	ng		98
32) Benzoic acid	10.039	122	8532	8.480	ng		93
33) 4-Chloroaniline	10.957	127	24892	6.109	ng		95
34) Hexachlorobutadiene	11.116	225	16112	6.623	ng		97
35) Caprolactam	11.733	113	4442	5.239	ng		88
36) 4-Chloro-3-methylphenol	12.075	107	20538	6.279	ng		89
37) 2-Methylnaphthalene	12.445	142	40386	5.950	ng		97
38) 1-Methylnaphthalene	12.663	142	39345	6.174	ng		95
40) 1,2,4,5-Tetrachloroben...	12.810	216	26995	6.606	ng		99
41) Hexachlorocyclopentadiene	12.780	237	15243	6.560	ng		92
43) 2,4,6-Trichlorophenol	13.051	196	15683	6.071	ng		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.127	196	16756	5.502	ng		99
46) 1,1'-Biphenyl	13.451	154	56906	6.718	ng		98
47) 2-Chloronaphthalene	13.492	162	45060	6.758	ng		96
48) 2-Nitroaniline	13.704	65	13395	7.105	ng		99
49) Acenaphthylene	14.333	152	64014	6.090	ng		97
50) Dimethylphthalate	14.069	163	55324	6.252	ng		100
51) 2,6-Dinitrotoluene	14.192	165	9999	5.555	ng		87
52) Acenaphthene	14.674	154	40590	6.354	ng		97
53) 3-Nitroaniline	14.527	138	9535	7.196	ng		97
54) 2,4-Dinitrophenol	14.733	184	5807	9.172	ng	#	87
55) Dibenzofuran	15.010	168	70512	6.483	ng		96
56) 4-Nitrophenol	14.833	139	7569	8.310	ng		93
57) 2,4-Dinitrotoluene	14.980	165	13402	5.356	ng	#	93
58) Fluorene	15.657	166	57409	6.318	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.233	232	15929	5.899	ng		97
60) Diethylphthalate	15.421	149	60280	6.641	ng		97
61) 4-Chlorophenyl-phenyle...	15.651	204	31249	6.265	ng		98
62) 4-Nitroaniline	15.686	138	9931m	7.361	ng		
63) Azobenzene	15.939	77	63793	6.387	ng		98
65) 4,6-Dinitro-2-methylph...	15.745	198	8461	4.933	ng		93
66) n-Nitrosodiphenylamine	15.863	169	46105	6.216	ng		95
67) 4-Bromophenyl-phenylether	16.539	248	18145	6.206	ng		99
68) Hexachlorobenzene	16.657	284	21745	6.641	ng		98
69) Atrazine	16.810	200	17652	6.730	ng		97
70) Pentachlorophenol	17.004	266	11903	4.980	ng		95
71) Phenanthrene	17.398	178	89668	6.412	ng		99
72) Anthracene	17.486	178	89152	6.203	ng		99
73) Carbazole	17.762	167	75408	6.000	ng		99
74) Di-n-butylphthalate	18.310	149	95668	6.409	ng		99
75) Fluoranthene	19.404	202	106697	6.069	ng		98
77) Benzidine	19.592	184	45809	7.314	ng		100
78) Pyrene	19.768	202	116860	6.143	ng		98
80) Butylbenzylphthalate	20.656	149	44202	6.357	ng		97
81) Benzo(a)anthracene	21.509	228	132544	6.447	ng		98
82) 3,3'-Dichlorobenzidine	21.445	252	46984	7.098	ng		98
83) Chrysene	21.562	228	125668	6.290	ng		99
84) Bis(2-ethylhexyl)phtha...	21.421	149	63186	6.322	ng		97
85) Di-n-octyl phthalate	22.350	149	113829	6.473	ng		98
87) Indeno(1,2,3-cd)pyrene	26.468	276	153776	5.892	ng		97
88) Benzo(b)fluoranthene	23.203	252	142254	6.505	ng		99
89) Benzo(k)fluoranthene	23.256	252	138773	6.136	ng		99
90) Benzo(a)pyrene	23.839	252	121860	5.678	ng	#	98
91) Dibenzo(a,h)anthracene	26.480	278	136839	6.248	ng		97
92) Benzo(g,h,i)perylene	27.244	276	140857	6.482	ng	#	96

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

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