Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110320\
Data File : BM027684.D
Acq On : 03 Nov 2020 11:21
Operator : JU/CG
Sample : L4214-03
Misc : MDL-MDL-SOIL-4PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations APPROVED
mohammad
11/4/2020 11:00:08 AM

Quant Time: Nov 03 12:07:09 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 03 12:06:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.399	152	24764	20.00	ng		0.00
21) Naphthalene-d8	11.240	136	88316	20.00	ng		# 0.00
39) Acenaphthene-d10	15.010	164	54811	20.00	ng		0.00
64) Phenanthrene-d10	17.722	188	123952	20.00	ng		0.00
76) Chrysene-d12	21.821	240	127612	20.00	ng		0.00
86) Perylene-d12	24.274	264	136618	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.869	112	223334	142.50	ng		0.00
7) Phenol-d6	7.522	99	293463	133.22	ng		0.00
23) Nitrobenzene-d5	9.575	82	227118	117.32	ng		0.00
42) 2,4,6-Tribromophenol	16.475	330	111473	170.32	ng		0.00
45) 2-Fluorobiphenyl	13.651	172	453836	118.15	ng		0.00
79) Terphenyl-d14	20.286	244	722689	111.71	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.575	88	2383	3.54	ng	#	54
3) Pyridine	4.028	79	6212	3.22	ng	#	48
4) n-Nitrosodimethylamine	3.922	42	5209	4.36	ng	#	32
6) Aniline	7.705	93	9244	3.72	ng		93
8) 2-Chlorophenol	7.952	128	5711	3.63	ng		94
9) Benzaldehyde	7.510	77	6814	6.01	ng		94
10) Phenol	7.546	94	7436	3.57	ng		83
11) bis(2-Chloroethyl)ether	7.799	93	5892	3.68	ng		95
12) 1,3-Dichlorobenzene	8.287	146	7376	3.84	ng		92
13) 1,4-Dichlorobenzene	8.440	146	7296	3.78	ng		95
14) 1,2-Dichlorobenzene	8.763	146	6998	3.81	ng		94
15) Benzyl Alcohol	8.628	79	6790	3.85	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.928	45	9835	3.85	ng		73
17) 2-Methylphenol	8.828	107	5021	3.59	ng		97
18) Hexachloroethane	9.510	117	2797	3.66	ng	#	84
19) n-Nitroso-di-n-propyla...	9.204	70	4911	3.41	ng	#	40
20) 3+4-Methylphenols	9.157	107	6647	3.57	ng		93
22) Acetophenone	9.228	105	9847	3.93	ng	#	76
24) Nitrobenzene	9.616	77	9917	4.98	ng		94
25) Isophorone	10.140	82	13091	3.90	ng		97
26) 2-Nitrophenol	10.334	139	2271	3.47	ng		96
27) 2,4-Dimethylphenol	10.381	122	7044	5.48	ng		84
28) bis(2-Chloroethoxy)met...	10.622	93	7216	3.57	ng	#	92
29) 2,4-Dichlorophenol	10.875	162	5197	3.73	ng		95
30) 1,2,4-Trichlorobenzene	11.098	180	6606	3.90	ng	#	94
31) Naphthalene	11.293	128	17913	3.84	ng		97
32) Benzoic acid	10.410	122	1280m	1.69	ng		
33) 4-Chloroaniline	11.387	127	7459	3.63	ng	#	94
34) Hexachlorobutadiene	11.575	225	4323	3.93	ng	#	86
35) Caprolactam	12.110	113	1539	3.32	ng	#	76
36) 4-Chloro-3-methylphenol	12.463	107	5837	3.61	ng		94
37) 2-Methylnaphthalene	12.875	142	13077	3.95	ng		91
38) 1-Methylnaphthalene	13.087	142	11917	3.80	ng		97
40) 1,2,4,5-Tetrachloroben...	13.234	216	7004	4.04	ng	#	98
41) Hexachlorocyclopentadiene	13.216	237	4469	4.74	ng		90
43) 2,4,6-Trichlorophenol	13.451	196	3875	3.44	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.522	196	4381	3.63	ng		93
46) 1,1'-Biphenyl	13.857	154	17667	4.22	ng		92
47) 2-Chloronaphthalene	13.904	162	13245	3.82	ng		94
48) 2-Nitroaniline	14.086	65	3603	3.09	ng	#	81
49) Acenaphthylene	14.739	152	19962	3.81	ng		96
50) Dimethylphthalate	14.451	163	16342	3.72	ng		100
51) 2,6-Dinitrotoluene	14.563	165	3123	3.62	ng	#	75
52) Acenaphthene	15.075	154	13151	3.83	ng		95
53) 3-Nitroaniline	14.892	138	3062	3.13	ng	#	85
54) 2,4-Dinitrophenol	15.092	184	1254	3.44	ng	#	39
55) Dibenzofuran	15.404	168	19986	3.91	ng		96
56) 4-Nitrophenol	15.163	139	2547	3.21	ng		91
57) 2,4-Dinitrotoluene	15.333	165	3762	3.22	ng	#	97
58) Fluorene	16.045	166	16981	4.05	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.616	232	3687	3.48	ng	#	91
60) Diethylphthalate	15.792	149	17207	3.84	ng		99
61) 4-Chlorophenyl-phenyle...	16.028	204	8421	3.91	ng	#	86
62) 4-Nitroaniline	16.028	138	3294	2.97	ng		89
63) Azobenzene	16.322	77	18343	3.96	ng	#	83
65) 4,6-Dinitro-2-methylph...	16.092	198	1802	3.61	ng		82
66) n-Nitrosodiphenylamine	16.233	169	13993	3.74	ng		98
67) 4-Bromophenyl-phenylether	16.916	248	5064	3.82	ng	#	75
68) Hexachlorobenzene	17.033	284	5938	3.86	ng	#	81
69) Atrazine	17.157	200	4620	3.65	ng		92
70) Pentachlorophenol	17.369	266	2975	3.57	ng		96
71) Phenanthrene	17.769	178	26385	3.77	ng		97
72) Anthracene	17.857	178	26631	3.89	ng		99
73) Carbazole	18.110	167	23766	3.66	ng	#	97
74) Di-n-butylphthalate	18.651	149	26779	3.51	ng	#	98
75) Fluoranthene	19.739	202	30384	3.70	ng		99
77) Benzidine	19.904	184	13559	3.73	ng	#	96
78) Pyrene	20.098	202	31570	3.57	ng		98
80) Butylbenzylphthalate	20.951	149	10171	3.04	ng		94
81) Benzo(a)anthracene	21.809	228	31847	3.70	ng		100
82) 3,3'-Dichlorobenzidine	21.727	252	10847	3.67	ng		96
83) Chrysene	21.862	228	31600	3.80	ng		99
84) Bis(2-ethylhexyl)phtha...	21.715	149	17096	3.49	ng	#	96
85) Di-n-octyl phthalate	22.657	149	28248	3.42	ng	#	83
87) Indeno(1,2,3-cd)pyrene	26.821	276	38098	3.81	ng		98
88) Benzo(b)fluoranthene	23.527	252	33079m	3.55	ng		
89) Benzo(k)fluoranthene	23.580	252	33007	3.72	ng		99
90) Benzo(a)pyrene	24.168	252	30811	3.58	ng		96
91) Dibenzo(a,h)anthracene	26.827	278	32139	3.94	ng		97
92) Benzo(g,h,i)perylene	27.597	276	32320	4.04	ng		96

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

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