Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110220\
Data File : BM027671.D
Acq On : 02 Nov 2020 11:16
Operator : JU/CG
Sample : L4214-01
Misc : LOD-MDL-SOIL 4PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations APPROVED
mohammad
11/3/2020 10:02:39 AM

Quant Time: Nov 02 11:52:11 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 02 11:50:46 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.404	152	18010	20.00	ng		0.00
21) Naphthalene-d8	11.245	136	63415	20.00	ng		# 0.00
39) Acenaphthene-d10	15.016	164	39679	20.00	ng		0.00
64) Phenanthrene-d10	17.727	188	85275	20.00	ng		# 0.00
76) Chrysene-d12	21.827	240	89886	20.00	ng		0.00
86) Perylene-d12	24.280	264	99272	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.869	112	164522	144.34	ng		0.00
7) Phenol-d6	7.522	99	211694	132.14	ng		0.00
23) Nitrobenzene-d5	9.575	82	162411	116.84	ng		0.00
42) 2,4,6-Tribromophenol	16.480	330	73613	155.36	ng		0.00
45) 2-Fluorobiphenyl	13.651	172	310495	111.66	ng		0.00
79) Terphenyl-d14	20.286	244	490206	107.58	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.575	88	2060	4.21	ng	#	75
3) Pyridine	4.028	79	4939	3.52	ng	#	36
4) n-Nitrosodimethylamine	3.928	42	3978	4.57	ng	#	45
6) Aniline	7.704	93	7034	3.89	ng		99
8) 2-Chlorophenol	7.951	128	4133	3.61	ng		86
9) Benzaldehyde	7.516	77	4682	5.67	ng		90
10) Phenol	7.545	94	5424	3.58	ng	#	65
11) bis(2-Chloroethyl)ether	7.798	93	3966	3.41	ng		87
12) 1,3-Dichlorobenzene	8.287	146	5114	3.66	ng		97
13) 1,4-Dichlorobenzene	8.434	146	5050	3.60	ng		91
14) 1,2-Dichlorobenzene	8.763	146	4902	3.67	ng		92
15) Benzyl Alcohol	8.634	79	4716	3.68	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.939	45	6490	3.49	ng		74
17) 2-Methylphenol	8.828	107	3612	3.55	ng		94
18) Hexachloroethane	9.510	117	1964	3.53	ng	#	87
19) n-Nitroso-di-n-propyla...	9.204	70	3799	3.63	ng	#	68
20) 3+4-Methylphenols	9.157	107	4661	3.44	ng		98
22) Acetophenone	9.228	105	7027	3.90	ng	#	77
24) Nitrobenzene	9.616	77	6589	4.61	ng	#	91
25) Isophorone	10.151	82	9266	3.84	ng		99
26) 2-Nitrophenol	10.334	139	1521	3.23	ng	#	85
27) 2,4-Dimethylphenol	10.381	122	5393	5.84	ng	#	80
28) bis(2-Chloroethoxy)met...	10.628	93	5333	3.67	ng		91
29) 2,4-Dichlorophenol	10.869	162	3304	3.31	ng		85
30) 1,2,4-Trichlorobenzene	11.098	180	4518	3.71	ng	#	84
31) Naphthalene	11.292	128	12988	3.87	ng		96
32) Benzoic acid	10.410	122	965m	1.78	ng		
33) 4-Chloroaniline	11.386	127	5333	3.62	ng		94
34) Hexachlorobutadiene	11.586	225	3065	3.88	ng	#	80
35) Caprolactam	12.104	113	951	2.85	ng	#	56
36) 4-Chloro-3-methylphenol	12.469	107	4215	3.63	ng		94
37) 2-Methylnaphthalene	12.875	142	8952	3.77	ng		97
38) 1-Methylnaphthalene	13.092	142	8466m	3.76	ng		
40) 1,2,4,5-Tetrachloroben...	13.227	216	4843	3.86	ng	#	95
41) Hexachlorocyclopentadiene	13.216	237	3207	4.70	ng		91
43) 2,4,6-Trichlorophenol	13.457	196	2419m	2.97	ng		

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110220\
Data File : BM027671.D
Acq On : 02 Nov 2020 11:16
Operator : JU/CG
Sample : L4214-01
Misc : LOD-MDL-SOIL 4PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations APPROVED
mohammad
11/3/2020 10:02:39 AM

Quant Time: Nov 02 11:52:11 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 02 11:50:46 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.522	196	2860	3.28	ng	#	86
46) 1,1'-Biphenyl	13.857	154	12318	4.06	ng		97
47) 2-Chloronaphthalene	13.904	162	9313	3.71	ng	#	90
48) 2-Nitroaniline	14.086	65	2397	2.84	ng		97
49) Acenaphthylene	14.739	152	13281	3.50	ng		96
50) Dimethylphthalate	14.451	163	11309	3.56	ng		97
51) 2,6-Dinitrotoluene	14.569	165	2094	3.35	ng	#	63
52) Acenaphthene	15.074	154	8842	3.56	ng		90
53) 3-Nitroaniline	14.886	138	2069	2.92	ng	#	99
54) 2,4-Dinitrophenol	15.086	184	733	2.78	ng	#	1
55) Dibenzofuran	15.404	168	13934	3.77	ng	#	88
56) 4-Nitrophenol	15.169	139	1455	2.53	ng	#	79
57) 2,4-Dinitrotoluene	15.339	165	2486	2.94	ng	#	85
58) Fluorene	16.045	166	11645	3.84	ng		93
59) 2,3,4,6-Tetrachlorophenol	15.616	232	2769	3.61	ng	#	93
60) Diethylphthalate	15.792	149	11232	3.47	ng	#	91
61) 4-Chlorophenyl-phenyle...	16.033	204	5869	3.76	ng	#	84
62) 4-Nitroaniline	16.039	138	2369	2.95	ng		98
63) Azobenzene	16.321	77	12700	3.78	ng	#	78
65) 4,6-Dinitro-2-methylph...	16.098	198	1285	3.74	ng		90
66) n-Nitrosodiphenylamine	16.239	169	9574	3.72	ng		98
67) 4-Bromophenyl-phenylether	16.915	248	3341	3.66	ng	#	86
68) Hexachlorobenzene	17.033	284	4003	3.78	ng	#	85
69) Atrazine	17.157	200	3071	3.52	ng		86
70) Pentachlorophenol	17.368	266	1926	3.36	ng		91
71) Phenanthrene	17.768	178	18679	3.88	ng		98
72) Anthracene	17.857	178	17975	3.82	ng		98
73) Carbazole	18.109	167	16299	3.64	ng	#	95
74) Di-n-butylphthalate	18.657	149	16388	3.12	ng	#	95
75) Fluoranthene	19.739	202	21288	3.76	ng		99
77) Benzidine	19.903	184	9600	3.75	ng		98
78) Pyrene	20.098	202	22174	3.56	ng		94
80) Butylbenzylphthalate	20.956	149	6042	2.56	ng		96
81) Benzo(a)anthracene	21.809	228	22895	3.77	ng		98
82) 3,3'-Dichlorobenzidine	21.727	252	7667	3.68	ng		100
83) Chrysene	21.862	228	21679	3.70	ng		99
84) Bis(2-ethylhexyl)phtha...	21.715	149	9455	2.74	ng		98
85) Di-n-octyl phthalate	22.662	149	16458	2.83	ng	#	82
87) Indeno(1,2,3-cd)pyrene	26.815	276	26254	3.62	ng		95
88) Benzo(b)fluoranthene	23.527	252	23673	3.50	ng	#	97
89) Benzo(k)fluoranthene	23.580	252	22330	3.47	ng	#	98
90) Benzo(a)pyrene	24.168	252	20513	3.28	ng	#	98
91) Dibenzo(a,h)anthracene	26.838	278	22586	3.81	ng	#	96
92) Benzo(g,h,i)perylene	27.597	276	22609	3.89	ng		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110220\
Data File : BM027671.D
Acq On : 02 Nov 2020 11:16
Operator : JU/CG
Sample : L4214-01
Misc : LOD-MDL-SOIL 4PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations APPROVED
mohammad
11/3/2020 10:02:39 AM

Quant Time: Nov 02 11:52:11 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 02 11:50:46 2020
Response via : Initial Calibration