Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120822.D
Acq On : 10 Jul 2020 10:14
Operator : JU/CG
Sample : L3216-03
Misc : MDL-MDL-SOIL-8PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Manual Integrations APPROVED
mohammad
7/13/2020 1:04:21 PM

Quant Time: Jul 10 11:17:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 18:51:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140065	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	523765	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	256173	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	441700	20.00	ng	0.00
76) Chrysene-d12	14.00	240	322836	20.00	ng	0.00
86) Perylene-d12	15.46	264	267450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	834928	92.02	ng	0.00
7) Phenol-d6	6.47	99	1065589	91.96	ng	0.00
23) Nitrobenzene-d5	7.41	82	714439	79.03	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	248308	96.48	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1278956	75.53	ng	0.00
79) Terphenyl-d14	12.95	244	1035539	62.80	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.59	88	32103	7.745	ng	99
3) Pyridine	3.36	79	59001	5.197	ng	98
4) n-Nitrosodimethylamine	3.26	42	35812	6.305	ng	98
6) Aniline	6.50	93	104854	7.046	ng	99
8) 2-Chlorophenol	6.63	128	67721	7.010	ng	94
9) Benzaldehyde	6.39	77	59314	8.607	ng	97
10) Phenol	6.48	94	83909m	7.039	ng	
11) bis(2-Chloroethyl)ether	6.58	93	66223	6.827	ng	99
12) 1,3-Dichlorobenzene	6.79	146	75241	7.076	ng	99
13) 1,4-Dichlorobenzene	6.86	146	76286	7.163	ng	99
14) 1,2-Dichlorobenzene	7.02	146	71916	7.098	ng	99
15) Benzyl Alcohol	6.98	79	66089	7.591	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	99464	6.574	ng	98
17) 2-Methylphenol	7.09	107	52775	6.107	ng	98
18) Hexachloroethane	7.36	117	27096	6.769	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	46362	6.645	ng	97
20) 3+4-Methylphenols	7.24	107	68029	6.391	ng	94
22) Acetophenone	7.25	105	100713	7.736	ng	96
24) Nitrobenzene	7.42	77	75417	7.430	ng	94
25) Isophorone	7.66	82	123360	6.328	ng	98
26) 2-Nitrophenol	7.74	139	21935	5.912	ng	93
27) 2,4-Dimethylphenol	7.77	122	54802	7.042	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	79993	6.933	ng	98
29) 2,4-Dichlorophenol	7.97	162	49682	6.395	ng	95
30) 1,2,4-Trichlorobenzene	8.07	180	59816	6.855	ng	98
31) Naphthalene	8.15	128	199606	7.131	ng	98
32) Benzoic acid	7.83	122	16096	3.822	ng	94
33) 4-Chloroaniline	8.19	127	76800	6.466	ng	95
34) Hexachlorobutadiene	8.27	225	34329	6.541	ng	98
35) Caprolactam	8.52	113	12427	5.489	ng	94
36) 4-Chloro-3-methylphenol	8.67	107	50647	6.267	ng	97
37) 2-Methylnaphthalene	8.84	142	126053	6.927	ng	99
38) 1-Methylnaphthalene	8.94	142	118990	6.981	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	55563	7.177	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	25559	5.587	ng		99
43) 2,4,6-Trichlorophenol	9.12	196	29751	5.639	ng		96
44) 2,4,5-Trichlorophenol	9.15	196	32978	5.633	ng		98
46) 1,1'-Biphenyl	9.30	154	156775	7.587	ng		99
47) 2-Chloronaphthalene	9.33	162	112294	6.783	ng		98
48) 2-Nitroaniline	9.42	65	28553	6.446	ng		86
49) Acenaphthylene	9.75	152	179571	6.919	ng		97
50) Dimethylphthalate	9.60	163	122572	6.559	ng		98
51) 2,6-Dinitrotoluene	9.66	165	22300	6.605	ng		89
52) Acenaphthene	9.92	154	106569	6.619	ng		96
53) 3-Nitroaniline	9.83	138	25609	6.140	ng		94
54) 2,4-Dinitrophenol	9.93	184	3167	2.840	ng	#	20
55) Dibenzofuran	10.09	168	160225	6.904	ng		99
56) 4-Nitrophenol	9.97	139	16301	5.321	ng		95
57) 2,4-Dinitrotoluene	10.06	165	25943	6.401	ng		96
58) Fluorene	10.43	166	120218	6.959	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	25687m	5.896	ng		
60) Diethylphthalate	10.30	149	121414	6.237	ng		97
61) 4-Chlorophenyl-phenylether	10.42	204	58263	6.709	ng		94
62) 4-Nitroaniline	10.43	138	24254	6.109	ng		95
63) Azobenzene	10.58	77	133039	6.681	ng		93
65) 4,6-Dinitro-2-methylphenol	10.46	198	6259	4.410	ng		93
66) n-Nitrosodiphenylamine	10.54	169	101749	6.873	ng		100
67) 4-Bromophenyl-phenylether	10.92	248	31116	6.073	ng		95
68) Hexachlorobenzene	10.97	284	34394	6.397	ng		97
69) Atrazine	11.06	200	26879	7.047	ng		99
70) Pentachlorophenol	11.17	266	12779	4.201	ng		96
71) Phenanthrene	11.39	178	166309	6.939	ng		97
72) Anthracene	11.44	178	166428	6.872	ng		98
73) Carbazole	11.59	167	148109	6.364	ng		99
74) Di-n-butylphthalate	11.93	149	160136	5.558	ng		99
75) Fluoranthene	12.57	202	159617	6.252	ng		98
77) Benzidine	12.70	184	53657	5.888	ng	#	96
78) Pyrene	12.80	202	165672	6.425	ng		98
80) Butylbenzylphthalate	13.43	149	50466	4.534	ng		99
81) Benzo(a)anthracene	13.99	228	137915	6.664	ng		99
82) 3,3'-Dichlorobenzidine	13.96	252	38449	5.506	ng	#	96
83) Chrysene	14.03	228	134021	6.349	ng		98
84) Bis(2-ethylhexyl)phthalate	13.99	149	82117	5.625	ng		99
85) Di-n-octyl phthalate	14.60	149	100410	3.888	ng		98
87) Indeno(1,2,3-cd)pyrene	16.90	276	100334	5.849	ng		97
88) Benzo(b)fluoranthene	15.03	252	104752	5.958	ng		98
89) Benzo(k)fluoranthene	15.06	252	111070	6.492	ng		99
90) Benzo(a)pyrene	15.40	252	89196	5.687	ng		99
91) Dibenzo(a,h)anthracene	16.93	278	82923	5.800	ng		99
92) Benzo(g,h,i)perylene	17.34	276	83439	6.385	ng		96

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

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