Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072518\
Data File : BM016072.D
Acq On : 25 Jul 2018 13:38
Operator : SJ/JU
Sample : J3762-02
Misc : LOO 20 PPM
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2018

Quant Time: Jul 25 14:25:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 16:08:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	53750	20.00	ng		-0.02
21) Naphthalene-d8	11.03	136	223478	20.00	ng		-0.03
38) Acenaphthene-d10	14.84	164	114848	20.00	ng		-0.02
63) Phenanthrene-d10	17.56	188	213577	20.00	ng		-0.02
75) Chrysene-d12	21.69	240	185010	20.00	ng		-0.02
86) Perylene-d12	24.04	264	174142	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.72	112	438377	135.48	ng		-0.02
7) Phenol-d6	7.37	99	559564	132.42	ng		-0.02
23) Nitrobenzene-d5	9.39	82	399884	83.23	ng		-0.02
41) 2,4,6-Tribromophenol	16.32	330	175909	120.76	ng		-0.02
44) 2-Fluorobiphenyl	13.46	172	828858	87.81	ng		-0.02
78) Terphenyl-d14	20.14	244	898144	101.62	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.50	88	26205	17.285	ng	#	100
3) Pyridine	3.95	79	65028	17.805	ng	#	73
4) n-Nitrosodimethylamine	3.86	42	58175	20.422	ng	#	37
6) Aniline	7.53	93	78750	16.185	ng	#	89
8) 2-Chlorophenol	7.77	128	78345	20.372	ng		97
9) Benzaldehyde	7.35	77	64811	21.830	ng		89
10) Phenol	7.40	94	86584	20.491	ng		99
11) bis(2-Chloroethyl)ether	7.63	93	62380	18.687	ng		90
12) 1,3-Dichlorobenzene	8.09	146	84262	18.719	ng	#	88
13) 1,4-Dichlorobenzene	8.25	146	86139	18.868	ng	#	93
14) 1,2-Dichlorobenzene	8.56	146	81731	18.296	ng	#	92
15) Benzyl Alcohol	8.46	79	62548	18.589	ng	#	86
16) 2,2'-oxybis(1-Chloropropan	8.73	45	95836	18.759	ng		97
17) 2-Methylphenol	8.66	107	59759	20.692	ng	#	84
18) Hexachloroethane	9.29	117	37401	18.952	ng		99
19) n-Nitroso-di-n-propylamine	9.02	70	55648	18.017	ng	#	76
20) 3+4-Methylphenols	8.99	107	76649	18.446	ng		88
22) Acetophenone	9.05	105	108226	19.233	ng	#	84
24) Nitrobenzene	9.44	77	92628	19.152	ng	#	97
25) Isophorone	9.96	82	142325	21.655	ng	#	93
26) 2-Nitrophenol	10.15	139	36927	18.290	ng	#	47
27) 2,4-Dimethylphenol	10.20	122	63993	22.751	ng	#	85
28) bis(2-Chloroethoxy)methane	10.43	93	83759	19.608	ng		97
29) 2,4-Dichlorophenol	10.69	162	65951	19.732	ng		99
30) 1,2,4-Trichlorobenzene	10.89	180	74051	18.234	ng	#	96
31) Naphthalene	11.08	128	224034	19.808	ng		99
32) Benzoic acid	10.33	122	36254	16.908	ng		86
33) 4-Chloroaniline	11.20	127	63911	13.847	ng	#	87
34) Hexachlorobutadiene	11.33	225	51137	18.153	ng		98
35) Caprolactam	11.99	113	15371	16.604	ng		92
36) 4-Chloro-3-methylphenol	12.31	107	69233	18.832	ng		87
37) 2-Methylnaphthalene	12.67	142	158669	20.942	ng	#	91
39) 1,2,4,5-Tetrachlorobenzene	13.04	216	75909	19.414	ng	#	100
40) Hexachlorocyclopentadiene	13.00	237	35721	24.500	ng		96

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.28	196	47742	19.516	ng		97
43) 2,4,5-Trichlorophenol	13.36	196	50359	19.957	ng	#	85
45) 1,1'-Biphenyl	13.67	154	194558	18.771	ng		98
46) 2-Chloronaphthalene	13.72	162	151626	18.809	ng	#	90
47) 2-Nitroaniline	13.94	65	45455	17.055	ng	#	78
48) Acenaphthylene	14.56	152	240743	20.399	ng		99
49) Dimethylphthalate	14.29	163	185859	18.492	ng		100
50) 2,6-Dinitrotoluene	14.43	165	36847	18.220	ng	#	66
51) Acenaphthene	14.90	154	138529	19.086	ng		99
52) 3-Nitroaniline	14.76	138	29221	13.378	ng	#	76
53) 2,4-Dinitrophenol	14.99	184	13306	20.270	ng	#	86
54) Dibenzofuran	15.23	168	220830	18.463	ng	#	83
55) 4-Nitrophenol	15.07	139	23712	15.143	ng	#	82
56) 2,4-Dinitrotoluene	15.22	165	47846	16.546	ng		87
57) Fluorene	15.87	166	169903	19.116	ng		97
58) 2,3,4,6-Tetrachlorophenol	15.46	232	39846	18.371	ng	#	100
59) Diethylphthalate	15.63	149	186936	17.255	ng		95
60) 4-Chlorophenyl-phenylether	15.86	204	85328	17.246	ng	#	84
61) 4-Nitroaniline	15.92	138	31052	14.817	ng	#	24
62) Azobenzene	16.16	77	208307	18.258	ng		78
64) 4,6-Dinitro-2-methylphenol	15.98	198	22098	17.046	ng		85
65) n-Nitrosodiphenylamine	16.08	169	141457	20.114	ng		98
66) 4-Bromophenyl-phenylether	16.75	248	47320	19.566	ng	#	75
67) Hexachlorobenzene	16.87	284	50300	18.887	ng	#	61
68) Atrazine	17.02	200	47025	18.656	ng		94
69) Pentachlorophenol	17.22	266	22244	13.488	ng		98
70) Phenanthrene	17.61	178	240641	20.125	ng		99
71) Anthracene	17.70	178	240618	20.705	ng		98
72) Carbazole	17.97	167	208193	17.293	ng		96
73) Di-n-butylphthalate	18.49	149	276416	18.425	ng	#	96
74) Fluoranthene	19.60	202	246797	18.503	ng		98
76) Benzidine	19.77	184	83558	16.162	ng		99
77) Pyrene	19.96	202	249680	22.520	ng		98
79) Butylbenzylphthalate	20.81	149	116052	20.605	ng	#	80
80) Benzo(a)anthracene	21.67	228	232660	20.418	ng		99
81) 3,3'-Dichlorobenzidine	21.60	252	57889	12.613	ng		95
82) Chrysene	21.72	228	218533	19.993	ng		99
83) Bis(2-ethylhexyl)phthalate	21.56	149	190157	23.296	ng	#	92
84) Di-n-octyl phthalate	22.46	149	257449	18.766	ng	#	89
85) Indeno(1,2,3-cd)pyrene	26.46	276	240288	18.525	ng	#	94
87) Benzo(b)fluoranthene	23.33	252	217217	21.186	ng	#	97
88) Benzo(k)fluoranthene	23.37	252	211916	20.394	ng		98
89) Benzo(a)pyrene	23.94	252	206140	20.914	ng		100
90) Dibenzo(a,h)anthracene	26.46	278	201046	19.687	ng		96
91) Benzo(g,h,i)perylene	27.20	276	196360	20.330	ng	#	94

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

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