Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102120\
Data File : BP003689.D
Acq On : 21 Oct 2020 13:00
Operator : CG/JU
Sample : L4214-03
Misc : MDL-MDL-SOIL-4PPM
ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
10/22/2020 1:01:00 PM

Quant Time: Oct 21 13:27:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP101920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 13:27:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.528	152	131405	20.00	ng		0.00
21) Naphthalene-d8	11.369	136	459338	20.00	ng		# 0.00
39) Acenaphthene-d10	15.128	164	306260	20.00	ng		0.00
64) Phenanthrene-d10	17.839	188	683217	20.00	ng		0.00
76) Chrysene-d12	21.851	240	713183	20.00	ng		# 0.00
86) Perylene-d12	24.427	264	673584	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	6.022	112	1149891	146.33	ng		0.00
7) Phenol-d6	7.675	99	1529416	137.75	ng		0.00
23) Nitrobenzene-d5	9.693	82	1062779	97.88	ng		0.00
42) 2,4,6-Tribromophenol	16.598	330	698845	146.26	ng		0.00
45) 2-Fluorobiphenyl	13.757	172	2452060	103.51	ng		0.00
79) Terphenyl-d14	20.310	244	4116398	101.51	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.687	88	13661	4.07	ng	#	87
3) Pyridine	4.134	79	35528	3.74	ng	#	90
4) n-Nitrosodimethylamine	4.022	42	14455	3.57	ng	#	59
6) Aniline	7.822	93	47652	3.87	ng	#	83
8) 2-Chlorophenol	8.093	128	29115	3.72	ng	#	81
9) Benzaldehyde	7.622	77	28923	4.94	ng	#	77
10) Phenol	7.699	94	39874	3.77	ng		72
11) bis(2-Chloroethyl)ether	7.905	93	31161	3.71	ng		81
12) 1,3-Dichlorobenzene	8.422	146	36382	3.61	ng	#	91
13) 1,4-Dichlorobenzene	8.563	146	37607	3.69	ng	#	93
14) 1,2-Dichlorobenzene	8.899	146	35681	3.70	ng	#	90
15) Benzyl Alcohol	8.752	79	28527	3.36	ng	#	82
16) 2,2'-oxybis(1-Chloropr...	9.052	45	30197	3.63	ng		97
17) 2-Methylphenol	8.969	107	24913	3.56	ng	#	90
18) Hexachloroethane	9.652	117	13404	3.41	ng		98
19) n-Nitroso-di-n-propyla...	9.322	70	23003	3.39	ng	#	85
20) 3+4-Methylphenols	9.299	107	32975	3.50	ng		91
22) Acetophenone	9.340	105	49577	3.69	ng	#	89
24) Nitrobenzene	9.734	77	43071	4.12	ng	#	78
25) Isophorone	10.257	82	61923	3.54	ng	#	90
26) 2-Nitrophenol	10.463	139	12265	3.14	ng	#	71
27) 2,4-Dimethylphenol	10.516	122	24519	4.00	ng	#	79
28) bis(2-Chloroethoxy)met...	10.728	93	40189	3.60	ng		98
29) 2,4-Dichlorophenol	11.010	162	26832	3.34	ng		96
30) 1,2,4-Trichlorobenzene	11.234	180	38113	3.70	ng		95
31) Naphthalene	11.422	128	92672	3.74	ng		99
33) 4-Chloroaniline	11.504	127	36277	3.55	ng	#	83
34) Hexachlorobutadiene	11.734	225	27425	3.53	ng		97
35) Caprolactam	12.193	113	6873	2.92	ng		84
36) 4-Chloro-3-methylphenol	12.598	107	28193	3.23	ng		86
37) 2-Methylnaphthalene	12.987	142	65851	3.66	ng	#	93
38) 1-Methylnaphthalene	13.204	142	63395m	3.73	ng		
40) 1,2,4,5-Tetrachloroben...	13.357	216	46357	3.82	ng		97
41) Hexachlorocyclopentadiene	13.357	237	26055	3.71	ng		99
43) 2,4,6-Trichlorophenol	13.575	196	21466	2.97	ng		100
44) 2,4,5-Trichlorophenol	13.651	196	24201	3.23	ng	#	92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.963	154	92333	3.87	ng		97
47) 2-Chloronaphthalene	14.016	162	71038	3.56	ng		100
48) 2-Nitroaniline	14.181	65	15422	2.61	ng	#	55
49) Acenaphthylene	14.845	152	98009	3.44	ng		99
50) Dimethylphthalate	14.539	163	86359	3.43	ng		98
51) 2,6-Dinitrotoluene	14.657	165	16052	3.14	ng	#	48
52) Acenaphthene	15.187	154	66184	3.44	ng		96
53) 3-Nitroaniline	14.987	138	15117	3.01	ng	#	58
55) Dibenzofuran	15.510	168	107254	3.69	ng		99
56) 4-Nitrophenol	15.292	139	10020	2.67	ng	#	51
57) 2,4-Dinitrotoluene	15.439	165	20721	2.99	ng	#	64
58) Fluorene	16.157	166	85182	3.63	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.739	232	19960	2.78	ng		94
60) Diethylphthalate	15.886	149	79798	3.24	ng		94
61) 4-Chlorophenyl-phenyle...	16.134	204	50780	3.58	ng		94
62) 4-Nitroaniline	16.134	138	14444	2.59	ng	#	50
63) Azobenzene	16.422	77	79725	3.44	ng		85
65) 4,6-Dinitro-2-methylph...	16.210	198	8489	2.36	ng		90
66) n-Nitrosodiphenylamine	16.339	169	72632	3.57	ng		96
67) 4-Bromophenyl-phenylether	17.022	248	30752	3.36	ng		95
68) Hexachlorobenzene	17.186	284	36647	3.48	ng		94
69) Atrazine	17.257	200	24738	3.12	ng		96
70) Pentachlorophenol	17.510	266	11333	2.18	ng		92
71) Phenanthrene	17.880	178	139342	3.67	ng		98
72) Anthracene	17.969	178	133854	3.65	ng		99
73) Carbazole	18.216	167	113672	3.48	ng		95
74) Di-n-butylphthalate	18.722	149	113123	2.84	ng	#	97
75) Fluoranthene	19.792	202	160828	3.45	ng		97
77) Benzidine	19.933	184	54717	3.20	ng		98
78) Pyrene	20.139	202	166293	3.48	ng		99
80) Butylbenzylphthalate	20.945	149	43144	2.47	ng	#	81
81) Benzo(a)anthracene	21.833	228	166529	3.50	ng		98
82) 3,3'-Dichlorobenzidine	21.739	252	55831	3.35	ng		98
83) Chrysene	21.892	228	163317	3.62	ng		99
84) Bis(2-ethylhexyl)phtha...	21.698	149	65005	2.60	ng		98
85) Di-n-octyl phthalate	22.657	149	101733	2.50	ng	#	92
87) Indeno(1,2,3-cd)pyrene	27.098	276	156024	3.23	ng	#	92
88) Benzo(b)fluoranthene	23.633	252	153391	3.26	ng	#	97
89) Benzo(k)fluoranthene	23.680	252	156019	3.48	ng	#	94
90) Benzo(a)pyrene	24.310	252	133148	3.18	ng	#	95
91) Dibenzo(a,h)anthracene	27.092	278	129828	3.21	ng	#	92
92) Benzo(g,h,i)perylene	27.921	276	124032	3.31	ng	#	92

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

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