Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081721\
Data File : BN015894.D
Acq On : 17 Aug 2021 11:23
Operator : CG/JU
Sample : M2250-04
Misc : SFAM-MDL-SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 17 12:14:28 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 17 09:43:53 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2021-06

Manual Integrations APPROVED
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8/19/2021 1:25:04 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	277388	20.000	ng/ul	0.00
20) Naphthalene-d8	10.710	136	1124391	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.551	164	723209	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.298	188	1489420	20.000	ng/ul	0.00
79) Chrysene-d12	21.486	240	1495388	20.000	ng/ul	0.00
88) Perylene-d12	23.904	264	1457580	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	33103	4.649	ng/uL	0.00
4) Pyridine-d5	3.746	84	325670	16.364	ng/ul	0.00
7) Phenol-d5	7.052	99	555588	22.143	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.228	67	360890	23.360	ng/ul	0.00
11) 2-Chlorophenol-d4	7.428	132	433433	24.276	ng/ul	0.00
15) 4-Methylphenol-d8	8.605	113	438035	22.445	ng/ul	0.00
21) Nitrobenzene-d5	9.063	128	203863	24.634	ng/ul	0.00
24) 2-Nitrophenol-d4	9.787	143	202779	26.181	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.328	165	408373	24.365	ng/ul	0.00
31) 4-Chloroaniline-d4	10.840	131	560955	21.988	ng/ul	0.00
46) Dimethylphthalate-d6	13.957	166	1319615	24.897	ng/ul	0.00
49) Acenaphthylene-d8	14.240	160	1610639	24.265	ng/ul	0.00
54) 4-Nitrophenol-d4	14.728	143	202726	21.626	ng/ul	0.00
60) Fluorene-d10	15.539	176	1141053	24.681	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	162081	20.377	ng/ul	0.00
73) Anthracene-d10	17.398	188	1731531	24.803	ng/ul	0.00
81) Pyrene-d10	19.692	212	1983256	24.623	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.745	264	2035313	25.826	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.370	88	9956	1.360	ng/uL#	91
5) Pyridine	3.764	79	79874	3.893	ng/ul#	76
6) Benzaldehyde	7.040	77	68807	5.330	ng/ul	96
8) Phenol	7.081	94	107243	4.193	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.322	93	85864	4.285	ng/ul	99
12) 2-Chlorophenol	7.458	128	83161	4.531	ng/ul	96
13) 2-Methylphenol	8.334	108	78064	4.166	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.440	45	112111	4.381	ng/ul#	96
16) Acetophenone	8.722	105	138896	4.410	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.710	70	67129	4.365	ng/ul	98
18) 4-Methylphenol	8.663	108	85114	4.244	ng/ul	96
19) Hexachloroethane	8.987	117	37881	4.545	ng/ul	92
22) Nitrobenzene	9.105	77	109699	4.688	ng/ul	98
23) Isophorone	9.628	82	166581	4.092	ng/ul	100
25) 2-Nitrophenol	9.822	139	42686	5.054	ng/ul	97
26) 2,4-Dimethylphenol	9.875	107	101814	4.513	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.122	93	111702	4.467	ng/ul	99
29) 2,4-Dichlorophenol	10.352	162	76745	4.644	ng/ul	92
30) Naphthalene	10.763	128	284000	4.716	ng/ul	97
32) 4-Chloroaniline	10.869	127	117328	4.658	ng/ul	99
33) Hexachlorobutadiene	11.051	225	59383	4.677	ng/ul	91
34) Caprolactam	11.628	113	16376m	3.163	ng/ul	
35) 4-Chloro-3-methylphenol	11.987	107	84216	4.302	ng/ul	99
36) 2-Methylnaphthalene	12.369	142	194413	4.642	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.593	142	194494	4.666	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.740	216	112104	4.792	ng/ul	95
40) Hexachlorocyclopentadiene	12.722	237	68602	4.523	ng/ul	98
41) 2,4,6-Trichlorophenol	12.981	196	53467	4.179	ng/ul	98
42) 2,4,5-Trichlorophenol	13.045	196	60284	4.316	ng/ul	93
43) 1,1'-Biphenyl	13.381	154	253506	4.533	ng/ul	97
44) 2-Chloronaphthalene	13.422	162	196037	4.540	ng/ul	97
45) 2-Nitroaniline	13.622	65	47992	3.922	ng/ul	92
47) Dimethylphthalate	14.004	163	241466	4.596	ng/ul	98
48) 2,6-Dinitrotoluene	14.122	165	35917	3.775	ng/ul	98
50) Acenaphthylene	14.269	152	300705	4.766	ng/ul	97
51) 3-Nitroaniline	14.445	138	39196	3.831	ng/ul	97
52) Acenaphthene	14.610	153	208866	4.576	ng/ul	97
53) 2,4-Dinitrophenol	14.651	184	21992	4.160	ng/ul	94
55) 4-Nitrophenol	14.745	109	39367	4.292	ng/ul	96
56) Dibenzofuran	14.945	168	298053	4.724	ng/ul	92
57) 2,4-Dinitrotoluene	14.904	165	57939	4.228	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.169	232	50915	4.405	ng/ul	99
59) Diethylphthalate	15.369	149	234528	4.464	ng/ul	99
61) Fluorene	15.598	166	238921	4.640	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.592	204	123081	4.584	ng/ul	96
63) 4-Nitroaniline	15.604	138	41892	4.274	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.663	198	32733	4.137	ng/ul#	65
67) N-Nitrosodiphenylamine	15.804	169	194381	4.471	ng/ul	94
68) 4-Bromophenyl-phenylether	16.486	248	73561	4.602	ng/ul	95
69) Hexachlorobenzene	16.604	284	89361	4.784	ng/ul	94
70) Atrazine	16.751	200	63919	4.054	ng/ul	93
71) Pentachlorophenol	16.945	266	36073	3.443	ng/ul	97
72) Phenanthrene	17.339	178	386948	4.779	ng/ul	97
74) Anthracene	17.428	178	375690	4.545	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.351	216	110702	4.719	ng/uL	93
76) Pentachlorobenzene	14.869	250	100754	4.412	ng/uL	98
77) Carbazole	17.698	167	318169	4.378	ng/ul	98
78) Di-n-butylphthalate	18.269	149	337075	4.079	ng/ul	99
80) Fluoranthene	19.357	202	422338	4.334	ng/ul	98
82) Pyrene	19.716	202	457841	4.514	ng/ul	99
83) Butylbenzylphthalate	20.622	149	131931	3.868	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.404	252	129080	4.215	ng/ul	98
85) Benzo(a)anthracene	21.469	228	430853	4.478	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.404	149	208966	3.863	ng/ul#	99
87) Chrysene	21.522	228	429082	4.606	ng/ul	98
89) Di-n-octyl phthalate	22.333	149	322665	3.498	ng/ul	100
90) Benzo(b)fluoranthene	23.163	252	444666	4.640	ng/ul	97
91) Benzo(k)fluoranthene	23.216	252	417657	4.377	ng/ul	99
93) Benzo(a)pyrene	23.798	252	394035	4.542	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.409	276	491596	4.570	ng/ul	99
95) Dibenzo(a,h)anthracene	26.433	278	407902	4.594	ng/ul	99
96) Benzo(g,h,i)perylene	27.186	276	399312	4.490	ng/ul	98

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

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