Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022723\
Data File : BN024106.D
Acq On : 27 Feb 2023 13:23
Operator : CG/JU
Sample : SSTD04074
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 27 14:22:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN022723.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 27 14:22:15 2023
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTD040241

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.064	152	240584	20.000	ng/ul	0.00
20) Naphthalene-d8	10.887	136	908841	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.704	164	505305	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.445	188	1028915	20.000	ng/ul	0.00
79) Chrysene-d12	21.639	240	930849	20.000	ng/ul	0.00
88) Perylene-d12	24.169	264	1038032	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	96028	16.203	ng/uL	0.00
4) Pyridine-d5	3.834	84	647819	40.818	ng/ul	0.00
7) Phenol-d5	7.211	99	791179	40.236	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.387	67	483919	39.271	ng/ul	0.00
11) 2-Chlorophenol-d4	7.593	132	658766	41.155	ng/ul	0.00
15) 4-Methylphenol-d8	8.769	113	611593	39.764	ng/ul	0.00
21) Nitrobenzene-d5	9.234	128	279405	45.722	ng/ul	0.00
24) 2-Nitrophenol-d4	9.963	143	305038	46.813	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.499	165	613483	41.904	ng/ul	0.00
31) 4-Chloroaniline-d4	11.016	131	806165	39.896	ng/ul	0.00
46) Dimethylphthalate-d6	14.110	166	1568296	40.596	ng/ul	0.00
49) Acenaphthylene-d8	14.398	160	1917722	41.165	ng/ul	0.00
54) 4-Nitrophenol-d4	14.875	143	278160	44.427	ng/ul	0.00
60) Fluorene-d10	15.693	176	1350072	39.983	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.798	200	207707	52.877	ng/ul	0.00
73) Anthracene-d10	17.545	188	2013146	41.511	ng/ul	0.00
81) Pyrene-d10	19.833	212	2258588	41.859	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.998	264	2284053	42.795	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.452	88	105050	16.493	ng/uL	96
5) Pyridine	3.858	79	657584	40.204	ng/ul	97
6) Benzaldehyde	7.193	77	426384m	35.851	ng/ul	
8) Phenol	7.234	94	800900	39.388	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.481	93	650060	39.838	ng/ul	100
12) 2-Chlorophenol	7.622	128	665381	40.870	ng/ul	98
13) 2-Methylphenol	8.505	108	604609	39.753	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.599	45	891962	39.393	ng/ul	99
16) Acetophenone	8.893	105	932247	38.361	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.881	70	458502	39.019	ng/ul	99
18) 4-Methylphenol	8.834	108	638022	39.005	ng/ul	98
19) Hexachloroethane	9.158	117	267518	40.805	ng/ul	96
22) Nitrobenzene	9.275	77	677557	43.727	ng/ul	99
23) Isophorone	9.805	82	1329130	40.244	ng/ul	99
25) 2-Nitrophenol	9.993	139	337302	45.817	ng/ul	98
26) 2,4-Dimethylphenol	10.046	107	678922	40.327	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.293	93	815232	40.727	ng/ul	98
29) 2,4-Dichlorophenol	10.528	162	591058	40.758	ng/ul	98
30) Naphthalene	10.940	128	2011896	40.191	ng/ul	99
32) 4-Chloroaniline	11.046	127	803482	39.345	ng/ul	99
33) Hexachlorobutadiene	11.228	225	412063	41.496	ng/ul	97
34) Caprolactam	11.799	113	172370m	40.150	ng/ul	
35) 4-Chloro-3-methylphenol	12.152	107	603704	40.582	ng/ul	98
36) 2-Methylnaphthalene	12.540	142	1311322	40.441	ng/ul	99

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.757	142	1278223	39.654	ng/ul	95
39)	1,2,4,5-Tetrachloroben...	12.904	216	711698	41.706	ng/ul	96
40)	Hexachlorocyclopentadiene	12.887	237	387342	47.189	ng/ul	96
41)	2,4,6-Trichlorophenol	13.134	196	464690	42.576	ng/ul	97
42)	2,4,5-Trichlorophenol	13.204	196	496443	42.579	ng/ul	96
43)	1,1'-Biphenyl	13.540	154	1675384	40.796	ng/ul	97
44)	2-Chloronaphthalene	13.581	162	1331452	41.069	ng/ul	99
45)	2-Nitroaniline	13.781	65	272462	52.258	ng/ul	99
47)	Dimethylphthalate	14.157	163	1558921	40.515	ng/ul	99
48)	2,6-Dinitrotoluene	14.275	165	246993	56.623	ng/ul	99
50)	Acenaphthylene	14.428	152	1997145	40.031	ng/ul	98
51)	3-Nitroaniline	14.598	138	264454	45.119	ng/ul	96
52)	Acenaphthene	14.769	153	1356526	40.134	ng/ul	99
53)	2,4-Dinitrophenol	14.798	184	141778	52.552	ng/ul	96
55)	4-Nitrophenol	14.893	109	216171	42.426	ng/ul	99
56)	Dibenzofuran	15.098	168	1877675	39.976	ng/ul	98
57)	2,4-Dinitrotoluene	15.057	165	367173	55.834	ng/ul	92
58)	2,3,4,6-Tetrachlorophenol	15.322	232	410827	42.007	ng/ul	94
59)	Diethylphthalate	15.522	149	1492563	40.281	ng/ul	97
61)	Fluorene	15.745	166	1457631	38.135	ng/ul	100
62)	4-Chlorophenyl-phenyle...	15.740	204	747430	39.028	ng/ul	98
63)	4-Nitroaniline	15.757	138	237244	42.981	ng/ul	98
66)	4,6-Dinitro-2-methylph...	15.816	198	214254	51.682	ng/ul#	95
67)	N-Nitrosodiphenylamine	15.951	169	1255174	41.105	ng/ul	98
68)	4-Bromophenyl-phenylether	16.634	248	472989	41.576	ng/ul	98
69)	Hexachlorobenzene	16.751	284	538594	40.268	ng/ul	98
70)	Atrazine	16.904	200	437935	42.918	ng/ul	100
71)	Pentachlorophenol	17.087	266	359063	44.554	ng/ul	98
72)	Phenanthrene	17.492	178	2333906	40.976	ng/ul	100
74)	Anthracene	17.581	178	2333366	40.204	ng/ul	100
75)	1,2,3,4-Tetrachloroben...	13.504	216	720841	42.478	ng/uL	97
76)	Pentachlorobenzene	15.016	250	663559	41.740	ng/uL	97
77)	Carbazole	17.845	167	2085540	39.820	ng/ul	99
78)	Di-n-butylphthalate	18.422	149	2404628	43.720	ng/ul	99
80)	Fluoranthene	19.498	202	2687515	42.324	ng/ul	99
82)	Pyrene	19.863	202	2687035	40.259	ng/ul	99
83)	Butylbenzylphthalate	20.763	149	467322	57.141	ng/ul	99
84)	3,3'-Dichlorobenzidine	21.551	252	837191	44.345	ng/ul	95
85)	Benzo(a)anthracene	21.622	228	2626670	40.282	ng/ul	96
86)	Bis(2-ethylhexyl)phtha...	21.551	149	875313	57.026	ng/ul	99
87)	Chrysene	21.680	228	2518552	40.377	ng/ul	99
89)	Di-n-octyl phthalate	22.527	149	1744216	52.435	ng/ul	100
90)	Benzo(b)fluoranthene	23.398	252	2752998	41.892	ng/ul	98
91)	Benzo(k)fluoranthene	23.451	252	2703830	42.620	ng/ul	98
93)	Benzo(a)pyrene	24.057	252	2491450	42.479	ng/ul	100
94)	Indeno(1,2,3-cd)pyrene	26.839	276	3347664m	43.198	ng/ul	
95)	Dibenzo(a,h)anthracene	26.857	278	2706596	42.342	ng/ul	97
96)	Benzo(g,h,i)perylene	27.657	276	2703157	42.569	ng/ul	95

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

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