Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120224\
Data File : BN035387.D
Acq On : 02 Dec 2024 15:38
Operator : RC/JU
Sample : SSTD04095
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 16:10:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN120224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 02 15:46:08 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTD040234

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/03/2024
Supervised By :mohammad ahmed 12/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.305	152	94309	20.000	ng/ul	0.00
20) Naphthalene-d8	10.052	136	411801	20.000	ng/ul	0.00
38) Acenaphthene-d10	13.963	164	313004	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.728	188	693926	20.000	ng/ul	0.00
79) Chrysene-d12	20.986	240	661143	20.000	ng/ul	0.00
88) Perylene-d12	23.663	264	786874	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.964	96	29897	13.079	ng/uL	0.00
4) Pyridine-d5	3.340	84	217532	33.005	ng/ul	0.00
7) Phenol-d5	6.505	99	274754	36.160	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.664	67	153712	33.459	ng/ul	0.00
11) 2-Chlorophenol-d4	6.846	132	231428	39.075	ng/ul	0.00
15) 4-Methylphenol-d8	8.022	113	240228	39.542	ng/ul	0.00
21) Nitrobenzene-d5	8.446	128	115372	40.736	ng/ul	0.00
24) 2-Nitrophenol-d4	9.152	143	135126	55.068	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.687	165	275671	49.470	ng/ul	0.00
31) 4-Chloroaniline-d4	10.204	131	345666	38.714	ng/ul	0.00
46) Dimethylphthalate-d6	13.398	166	872693	42.660	ng/ul	0.00
49) Acenaphthylene-d8	13.651	160	947668	38.354	ng/ul	0.00
54) 4-Nitrophenol-d4	14.204	143	156741	41.529	ng/ul	0.00
60) Fluorene-d10	14.975	176	734729	41.687	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.110	200	155536	57.161	ng/ul	0.00
73) Anthracene-d10	16.834	188	1164294	38.839	ng/ul	0.00
81) Pyrene-d10	19.151	212	1351119	39.243	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.480	264	1491752	40.625	ng/ul	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.993	88	32487	13.226	ng/uL#	97
5) Pyridine	3.358	79	216764	32.430	ng/ul	94
6) Benzaldehyde	6.464	77	151900	34.540	ng/ul	98
8) Phenol	6.534	94	282636	35.682	ng/ul	99
10) Bis(2-Chloroethyl)ether	6.758	93	222527	35.663	ng/ul	98
12) 2-Chlorophenol	6.875	128	237101	38.372	ng/ul	99
13) 2-Methylphenol	7.758	108	221766	37.579	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	7.828	45	177863	20.827	ng/ul	99
16) Acetophenone	8.116	105	383046	39.631	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.122	70	176610	38.074	ng/ul	98
18) 4-Methylphenol	8.087	108	249497	38.642	ng/ul	99
19) Hexachloroethane	8.358	117	99536	38.513	ng/ul	96
22) Nitrobenzene	8.487	77	277309	40.501	ng/ul	97
23) Isophorone	9.010	82	537776	39.577	ng/ul	98
25) 2-Nitrophenol	9.187	139	149707	52.266	ng/ul	97
26) 2,4-Dimethylphenol	9.263	107	273356	40.494	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.499	93	318233	38.278	ng/ul	97
29) 2,4-Dichlorophenol	9.710	162	273541	48.629	ng/ul	98
30) Naphthalene	10.105	128	794412	38.462	ng/ul	98
32) 4-Chloroaniline	10.228	127	330355	38.951	ng/ul	100
33) Hexachlorobutadiene	10.399	225	187407	53.354	ng/ul	98
34) Caprolactam	11.010	113	84090m	40.699	ng/ul	
35) 4-Chloro-3-methylphenol	11.369	107	281046	45.622	ng/ul	99
36) 2-Methylnaphthalene	11.728	142	597048	42.427	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	11.957	142	609585	42.521	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.116	216	359375	44.702	ng/ul	98
40) Hexachlorocyclopentadiene	12.099	237	193402	45.526	ng/ul	100
41) 2,4,6-Trichlorophenol	12.369	196	243411	50.619	ng/ul	96
42) 2,4,5-Trichlorophenol	12.440	196	268809	50.159	ng/ul	100
43) 1,1'-Biphenyl	12.781	154	819541	38.100	ng/ul	95
44) 2-Chloronaphthalene	12.816	162	650572	38.284	ng/ul	97
45) 2-Nitroaniline	13.040	65	152085	36.022	ng/ul	95
47) Dimethylphthalate	13.445	163	865010	42.135	ng/ul	98
48) 2,6-Dinitrotoluene	13.557	165	170283	48.011	ng/ul	95
50) Acenaphthylene	13.681	152	984129	36.856	ng/ul	99
51) 3-Nitroaniline	13.887	138	165432	38.006	ng/ul	98
52) Acenaphthene	14.034	153	714737	38.313	ng/ul	99
53) 2,4-Dinitrophenol	14.098	184	114956	70.139	ng/ul	95
55) 4-Nitrophenol	14.222	109	144347	49.738	ng/ul	95
56) Dibenzofuran	14.375	168	998344	39.671	ng/ul	98
57) 2,4-Dinitrotoluene	14.357	165	255299	49.004	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.610	232	231678	57.142	ng/ul	99
59) Diethylphthalate	14.840	149	850308	41.149	ng/ul	99
61) Fluorene	15.028	166	787847	38.812	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.040	204	403726	43.016	ng/ul	99
63) 4-Nitroaniline	15.069	138	158533m	36.743	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.128	198	168778	54.561	ng/ul#	99
67) N-Nitrosodiphenylamine	15.257	169	705480	36.306	ng/ul	99
68) 4-Bromophenyl-phenylether	15.934	248	269918	42.678	ng/ul	97
69) Hexachlorobenzene	16.039	284	317840	43.264	ng/ul	99
70) Atrazine	16.234	200	279605	41.741	ng/ul	98
71) Pentachlorophenol	16.387	266	224220	53.491	ng/ul	95
72) Phenanthrene	16.775	178	1337083	38.091	ng/ul	99
74) Anthracene	16.863	178	1330910	36.872	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.740	216	356585	40.115	ng/uL	96
76) Pentachlorobenzene	14.293	250	364266	42.314	ng/uL	99
77) Carbazole	17.145	167	1243827	37.765	ng/ul	98
78) Di-n-butylphthalate	17.739	149	1406571	36.984	ng/ul	99
80) Fluoranthene	18.810	202	1606449	39.197	ng/ul	99
82) Pyrene	19.180	202	1667034	38.484	ng/ul	100
83) Butylbenzylphthalate	20.133	149	529675	34.698	ng/ul	99
84) 3,3'-Dichlorobenzidine	20.916	252	521518	39.728	ng/ul	98
85) Benzo(a)anthracene	20.969	228	1693164	39.859	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	20.945	149	811239	33.569	ng/ul	97
87) Chrysene	21.027	228	1606577	39.530	ng/ul	98
89) Di-n-octyl phthalate	21.974	149	1457079	33.339	ng/ul	100
90) Benzo(b)fluoranthene	22.827	252	1753779	40.581	ng/ul	98
91) Benzo(k)fluoranthene	22.886	252	1747979	39.737	ng/ul	99
93) Benzo(a)pyrene	23.539	252	1642657	39.640	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.610	276	2012810	39.416	ng/ul	100
95) Dibenzo(a,h)anthracene	26.674	278	1611457	38.738	ng/ul	99
96) Benzo(g,h,i)perylene	27.527	276	1533355	39.046	ng/ul	97

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

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