Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010325\
Data File : BN035884.D
Acq On : 03 Jan 2025 11:28
Operator : RC/JU
Sample : SSTD04002
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD040241

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/06/2025
Supervised By :mohammad ahmed 01/06/2025

Quant Time: Jan 03 12:08:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 03 12:03:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.831	152	61597	20.000	ng/ul	0.00
20) Naphthalene-d8	10.625	136	217354	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.466	164	129764	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.207	188	250415	20.000	ng/ul	0.00
79) Chrysene-d12	21.448	240	264337	20.000	ng/ul	0.00
88) Perylene-d12	24.495	264	296077	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.278	96	24666	18.200	ng/uL	0.00
4) Pyridine-d5	3.684	84	171184	48.046	ng/ul	0.00
7) Phenol-d5	6.984	99	184058	42.061	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.160	67	116277	46.163	ng/ul	0.00
11) 2-Chlorophenol-d4	7.360	132	151250	40.993	ng/ul	0.00
15) 4-Methylphenol-d8	8.531	113	144363	38.873	ng/ul	0.00
21) Nitrobenzene-d5	8.984	128	65469	46.170	ng/ul	0.00
24) 2-Nitrophenol-d4	9.707	143	62737	40.470	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.243	165	138819	39.905	ng/ul	0.00
31) 4-Chloroaniline-d4	10.754	131	182578	41.907	ng/ul	0.00
46) Dimethylphthalate-d6	13.878	166	362493	39.540	ng/ul	0.00
49) Acenaphthylene-d8	14.160	160	451996	43.897	ng/ul	0.00
54) 4-Nitrophenol-d4	14.642	143	63988	43.106	ng/ul	0.00
60) Fluorene-d10	15.460	176	322157	40.301	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.566	200	43561	35.456	ng/ul	0.00
73) Anthracene-d10	17.307	188	506208	45.193	ng/ul	0.00
81) Pyrene-d10	19.595	212	603086	43.791	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.289	264	642306	44.575	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.319	88	25892	17.057	ng/uL	95
5) Pyridine	3.708	79	174156	48.357	ng/ul	98
6) Benzaldehyde	6.966	77	119823	49.089	ng/ul	94
8) Phenol	7.013	94	194051	42.629	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.255	93	152198	42.746	ng/ul	96
12) 2-Chlorophenol	7.396	128	157574	40.966	ng/ul	98
13) 2-Methylphenol	8.266	108	139567	40.175	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.354	45	216805	65.930	ng/ul	99
16) Acetophenone	8.649	105	237673	40.031	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.643	70	114098	40.034	ng/ul	97
18) 4-Methylphenol	8.596	108	148678	39.014	ng/ul	93
19) Hexachloroethane	8.919	117	71813	42.732	ng/ul	96
22) Nitrobenzene	9.025	77	184231	50.171	ng/ul	95
23) Isophorone	9.554	82	303248	42.795	ng/ul	99
25) 2-Nitrophenol	9.737	139	74039	41.437	ng/ul	91
26) 2,4-Dimethylphenol	9.796	107	163168	43.719	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.037	93	180513	41.634	ng/ul	100
29) 2,4-Dichlorophenol	10.266	162	138160	39.079	ng/ul	95
30) Naphthalene	10.678	128	472522	42.305	ng/ul	99
32) 4-Chloroaniline	10.778	127	179078	42.985	ng/ul	99
33) Hexachlorobutadiene	10.978	225	109321	42.170	ng/ul	98
34) Caprolactam	11.531	113	40446m	40.381	ng/ul	
35) 4-Chloro-3-methylphenol	11.901	107	143176	39.163	ng/ul	95
36) 2-Methylnaphthalene	12.290	142	311623	38.593	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.513	142	306130	37.238	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.660	216	180468	45.912	ng/ul	96
40) Hexachlorocyclopentadiene	12.648	237	98558	49.658	ng/ul	97
41) 2,4,6-Trichlorophenol	12.895	196	104763	43.054	ng/ul	97
42) 2,4,5-Trichlorophenol	12.960	196	114266	42.059	ng/ul	98
43) 1,1'-Biphenyl	13.301	154	396950	43.959	ng/ul	96
44) 2-Chloronaphthalene	13.342	162	322491	44.539	ng/ul	100
45) 2-Nitroaniline	13.537	65	86808	58.642	ng/ul	93
47) Dimethylphthalate	13.925	163	363365	39.450	ng/ul	99
48) 2,6-Dinitrotoluene	14.037	165	66913	44.524	ng/ul	87
50) Acenaphthylene	14.189	152	470205	42.840	ng/ul	99
51) 3-Nitroaniline	14.360	138	68861	43.713	ng/ul	86
52) Acenaphthene	14.531	153	336698	42.788	ng/ul	94
53) 2,4-Dinitrophenol	14.560	184	26155	26.448	ng/ul	96
55) 4-Nitrophenol	14.660	109	67357	46.042	ng/ul	97
56) Dibenzofuran	14.866	168	456637	40.929	ng/ul	97
57) 2,4-Dinitrotoluene	14.819	165	97969	41.566	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.089	232	88229	38.242	ng/ul	95
59) Diethylphthalate	15.295	149	353853	39.542	ng/ul	96
61) Fluorene	15.513	166	363848	40.371	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.513	204	186474	40.651	ng/ul	95
63) 4-Nitroaniline	15.519	138	68288	44.197	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.578	198	50818	38.011	ng/ul#	98
67) N-Nitrosodiphenylamine	15.719	169	308481	45.597	ng/ul	99
68) 4-Bromophenyl-phenylether	16.407	248	109145	43.276	ng/ul	94
69) Hexachlorobenzene	16.519	284	125200	42.035	ng/ul	99
70) Atrazine	16.672	200	115104	48.359	ng/ul	97
71) Pentachlorophenol	16.854	266	74485	40.906	ng/ul#	87
72) Phenanthrene	17.248	178	577625	44.274	ng/ul	100
74) Anthracene	17.342	178	577824	43.723	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.266	216	173925	50.194	ng/uL	99
76) Pentachlorobenzene	14.789	250	165739	47.306	ng/uL	93
77) Carbazole	17.607	167	522112	47.810	ng/ul	100
78) Di-n-butylphthalate	18.189	149	538780	43.129	ng/ul	99
80) Fluoranthene	19.266	202	688700	42.764	ng/ul	98
82) Pyrene	19.624	202	718559	41.017	ng/ul	97
83) Butylbenzylphthalate	20.536	149	189036	40.170	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.354	252	202022	44.316	ng/ul	92
85) Benzo(a)anthracene	21.430	228	743638	42.324	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.383	149	291004	39.408	ng/ul	99
87) Chrysene	21.495	228	708483	41.842	ng/ul	100
89) Di-n-octyl phthalate	22.548	149	474895	36.917	ng/ul	100
90) Benzo(b)fluoranthene	23.536	252	733512	43.086	ng/ul	96
91) Benzo(k)fluoranthene	23.601	252	768890	44.246	ng/ul	99
93) Benzo(a)pyrene	24.360	252	717891	44.472	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.948	276	909323	46.646	ng/ul	98
95) Dibenzo(a,h)anthracene	28.018	278	722903	45.869	ng/ul	95
96) Benzo(g,h,i)perylene	29.018	276	699446	46.794	ng/ul	98

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

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