

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101624\
 Data File : BN034609.D
 Acq On : 16 Oct 2024 13:58
 Operator : RC/JU
 Sample : SST04089
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTD040227

Manual Integrations

APPROVED

Reviewed By :Yogesh
 Patel

10/17/2024

Supervised By :mohammad
 ahmed

Quant Time: Oct 16 15:25:25 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101624.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Oct 16 14:56:03 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	217592	20.000	ng/u1	0.00
20) Naphthalene-d8	10.440	136	932272	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.298	164	560430	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.045	188	1088512	20.000	ng/u1	0.00
79) Chrysene-d12	21.274	240	972221	20.000	ng/u1	0.00
88) Perylene-d12	24.162	264	1131268	20.000	ng/u1	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.211	96	86084	15.951	ng/uL	0.00
4) Pyridine-d5	3.599	84	641258	39.749	ng/u1	0.00
7) Phenol-d5	6.834	99	721231	37.410	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.010	67	447955	37.495	ng/u1	0.00
11) 2-Chlorophenol-d4	7.199	132	573734	37.917	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	567134	36.103	ng/u1	0.00
21) Nitrobenzene-d5	8.810	128	279101	37.964	ng/u1	0.00
24) 2-Nitrophenol-d4	9.528	143	234596	32.369	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.063	165	495381	35.042	ng/u1	0.00
31) 4-Chloroaniline-d4	10.575	131	837340	38.131	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	1458552	35.397	ng/u1	0.00
49) Acenaphthylene-d8	13.987	160	1804363	38.170	ng/u1	0.00
54) 4-Nitrophenol-d4	14.492	143	273009	32.942	ng/u1	0.00
60) Fluorene-d10	15.298	176	1254764	35.705	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.410	200	147471	24.814	ng/u1	0.00
73) Anthracene-d10	17.139	188	1889268	36.990	ng/u1	0.00
81) Pyrene-d10	19.433	212	2004796	37.157	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	2166617	37.380	ng/u1	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.240	88	92864	16.089	ng/uL	97
5) Pyridine	3.616	79	652198	39.548	ng/u1	98
6) Benzaldehyde	6.810	77	483543	47.147	ng/u1	98
8) Phenol	6.863	94	757725	37.599	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.099	93	602743	38.455	ng/u1	98
12) 2-Chlorophenol	7.234	128	592213	38.091	ng/u1	98
13) 2-Methylphenol	8.104	108	558863	37.239	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.193	45	913562	39.539	ng/u1	100
16) Acetophenone	8.481	105	909979	36.433	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.475	70	450489	36.609	ng/u1	97
18) 4-Methylphenol	8.428	108	610518	36.760	ng/u1	95
19) Hexachloroethane	8.740	117	247041	37.591	ng/u1	97
22) Nitrobenzene	8.852	77	644640	35.223	ng/u1	99
23) Isophorone	9.381	82	1264011	36.960	ng/u1	99
25) 2-Nitrophenol	9.557	139	272908	33.486	ng/u1	99
26) 2,4-Dimethylphenol	9.628	107	620929	35.775	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.869	93	769830	36.539	ng/u1	99
29) 2,4-Dichlorophenol	10.087	162	495699	34.644	ng/u1	97
30) Naphthalene	10.493	128	1880373	36.615	ng/u1	98
32) 4-Chloroaniline	10.598	127	789146	36.677	ng/u1	99
33) Hexachlorobutadiene	10.793	225	295157	32.535	ng/u1	97
34) Caprolactam	11.346	113	192632m	36.147	ng/u1	
35) 4-Chloro-3-methylphenol	11.728	107	562260	33.651	ng/u1	100
36) 2-Methylnaphthalene	12.110	142	1260389	36.077	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.334	142	1273765	36.048	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.481	216	554666	34.873	ng/ul	99
40) Hexachlorocyclopentadiene	12.469	237	307531	33.906	ng/ul	94
41) 2,4,6-Trichlorophenol	12.722	196	340862	33.068	ng/ul	93
42) 2,4,5-Trichlorophenol	12.787	196	374854	33.025	ng/ul	97
43) 1,1'-Biphenyl	13.134	154	1551261	36.706	ng/ul	100
44) 2-Chloronaphthalene	13.169	162	1220997	37.144	ng/ul	99
45) 2-Nitroaniline	13.369	65	357107	34.944	ng/ul	97
47) Dimethylphthalate	13.769	163	1461991	34.953	ng/ul	100
48) 2,6-Dinitrotoluene	13.875	165	284448	35.278	ng/ul	94
50) Acenaphthylene	14.016	152	1948821	37.804	ng/ul	98
51) 3-Nitroaniline	14.198	138	341455	37.780	ng/ul#	91
52) Acenaphthene	14.363	153	1352682	36.971	ng/ul	99
53) 2,4-Dinitrophenol	14.404	184	93853	20.779	ng/ul	94
55) 4-Nitrophenol	14.504	109	202901	29.406	ng/ul	94
56) Dibenzofuran	14.704	168	1786283	35.913	ng/ul	99
57) 2,4-Dinitrotoluene	14.663	165	411557	34.252	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	14.928	232	278837	30.484	ng/ul	94
59) Diethylphthalate	15.151	149	1487421	34.148	ng/ul	98
61) Fluorene	15.351	166	1436607	35.306	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.357	204	649201	33.465	ng/ul	98
63) 4-Nitroaniline	15.363	138	355700	38.215	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.422	198	171426	25.733	ng/ul#	90
67) N-Nitrosodiphenylamine	15.563	169	1256136	38.260	ng/ul	99
68) 4-Bromophenyl-phenylether	16.251	248	386371	35.468	ng/ul	96
69) Hexachlorobenzene	16.351	284	443877	35.407	ng/ul	98
70) Atrazine	16.528	200	428523	36.780	ng/ul	99
71) Pentachlorophenol	16.692	266	243074	29.961	ng/ul	97
72) Phenanthrene	17.086	178	2201364	36.925	ng/ul	98
74) Anthracene	17.180	178	2280691	37.342	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.092	216	554949	36.909	ng/ul	99
76) Pentachlorobenzene	14.622	250	532633	35.038	ng/ul	97
77) Carbazole	17.439	167	2143082	37.748	ng/ul	99
78) Di-n-butylphthalate	18.039	149	2529011	35.949	ng/ul	100
80) Fluoranthene	19.104	202	2392681	37.599	ng/ul	98
82) Pyrene	19.469	202	2525430	36.787	ng/ul	99
83) Butylbenzylphthalate	20.398	149	1061841	35.749	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.180	252	832668	38.251	ng/ul	100
85) Benzo(a)anthracene	21.257	228	2508907	36.354	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.227	149	1628250	37.266	ng/ul	100
87) Chrysene	21.316	228	2362388	35.877	ng/ul	97
89) Di-n-octyl phthalate	22.345	149	2802040	37.928	ng/ul	100
90) Benzo(b)fluoranthene	23.257	252	2510351	36.535	ng/ul	99
91) Benzo(k)fluoranthene	23.321	252	2548903	37.422	ng/ul	98
93) Benzo(a)pyrene	24.033	252	2425646	37.286	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.403	276	3041846	37.721	ng/ul	97
95) Dibenzo(a,h)anthracene	27.474	278	2486928	37.973	ng/ul	98
96) Benzo(g,h,i)perylene	28.409	276	2341434	37.279	ng/ul	99

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

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