

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100224\
 Data File : BN034342.D
 Acq On : 02 Oct 2024 18:15
 Operator : RC/JU
 Sample : P4016-20MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

DDC23MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/04/2024

Supervised By :mohammad ahmed 10/05/2024

Quant Time: Oct 02 18:46:36 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Sep 30 14:14:38 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.393	152	206960	20.000	ng/ul	0.00
20) Naphthalene-d8	10.152	136	749794	20.000	ng/ul	# 0.01
38) Acenaphthene-d10	14.051	164	572761	20.000	ng/ul	0.01
64) Phenanthrene-d10	16.834	188	1135396	20.000	ng/ul	0.04
79) Chrysene-d12	21.039	240	1150794	20.000	ng/ul	0.00
88) Perylene-d12	23.751	264	1399498	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.005	96	23642	4.662	ng/uL	0.00
4) Pyridine-d5	3.399	84	267877	17.770	ng/ul	0.01
7) Phenol-d5	6.611	99	483918	26.346	ng/ul	0.03
9) Bis-(2-Chloroethyl)eth...	6.746	67	333956	29.304	ng/ul	0.00
11) 2-Chlorophenol-d4	6.946	132	389309	26.927	ng/ul	0.02
15) 4-Methylphenol-d8	8.122	113	350142	23.168	ng/ul	0.02
21) Nitrobenzene-d5	8.540	128	202473	33.879	ng/ul	0.01
24) 2-Nitrophenol-d4	9.252	143	204153	33.220	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	9.799	165	388262	33.547	ng/ul	0.02
31) 4-Chloroaniline-d4	10.275	131	353361	20.167	ng/ul	-0.02
46) Dimethylphthalate-d6	13.475	166	967994	22.614	ng/ul	0.00
49) Acenaphthylene-d8	13.740	160	1166211	24.218	ng/ul	0.01
54) 4-Nitrophenol-d4	14.298	143	235380	26.795	ng/ul	0.02
60) Fluorene-d10	15.057	176	886487	24.437	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.192	200	180160	26.613	ng/ul	0.02
73) Anthracene-d10	16.922	188	1280354	23.986	ng/ul	0.02
81) Pyrene-d10	19.216	212	1582621	24.682	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.569	264	1856962	25.831	ng/ul	0.01
Target Compounds						
2) 1,4-Dioxane	3.034	88	69117	12.919	ng/uL	93
5) Pyridine	3.417	79	425037	27.553	ng/ul	90
6) Benzaldehyde	6.558	77	595462	61.416	ng/ul#	1
8) Phenol	6.640	94	516866	27.027	ng/ul#	74
10) Bis(2-Chloroethyl)ether	6.840	93	379671	25.545	ng/ul	92
12) 2-Chlorophenol	6.975	128	464854	31.373	ng/ul	94
13) 2-Methylphenol	7.863	108	396410	27.734	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	7.922	45	469157	21.403	ng/ul#	64
16) Acetophenone	8.199	105	4377312m	182.835	ng/ul	
17) N-Nitroso-di-n-propyla...	8.205	70	361470	30.490	ng/ul	96
18) 4-Methylphenol	8.187	108	380944	23.947	ng/ul	97
19) Hexachloroethane	8.452	117	196773	31.487	ng/ul#	86
22) Nitrobenzene	8.581	77	507811	33.949	ng/ul#	92
23) Isophorone	9.110	82	1292005	46.838	ng/ul#	87
25) 2-Nitrophenol	9.287	139	268227	38.999	ng/ul#	88
26) 2,4-Dimethylphenol	9.375	107	454801	32.142	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.593	93	569773	33.571	ng/ul#	82
29) 2,4-Dichlorophenol	9.828	162	487349	41.587	ng/ul	96
30) Naphthalene	10.205	128	3246734	79.164	ng/ul	98
32) 4-Chloroaniline	10.340	127	179762	10.411	ng/ul	95
33) Hexachlorobutadiene	10.493	225	283548	37.715	ng/ul	96
34) Caprolactam	11.099	113	93826	20.110	ng/ul#	1
35) 4-Chloro-3-methylphenol	11.487	107	418093	30.305	ng/ul	92
36) 2-Methylnaphthalene	11.834	142	4263379	150.913	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.057	142	2982833	104.309	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.210	216	520642	31.487	ng/ul	98
40) Hexachlorocyclopentadiene	12.187	237	277931	27.318	ng/ul	100
41) 2,4,6-Trichlorophenol	12.469	196	372063	33.942	ng/ul	96
42) 2,4,5-Trichlorophenol	12.546	196	484471	40.236	ng/ul	96
43) 1,1'-Biphenyl	12.869	154	1578405	36.553	ng/ul	97
44) 2-Chloronaphthalene	12.910	162	770852	22.915	ng/ul#	89
45) 2-Nitroaniline	13.128	65	276122	25.402	ng/ul#	82
47) Dimethylphthalate	13.522	163	1109476	25.432	ng/ul	98
48) 2,6-Dinitrotoluene	13.640	165	327241	38.095	ng/ul	90
50) Acenaphthylene	13.769	152	1468458	27.869	ng/ul#	94
51) 3-Nitroaniline	13.969	138	147081	15.493	ng/ul#	89
52) Acenaphthene	14.116	153	1126117	29.935	ng/ul	95
53) 2,4-Dinitrophenol	14.187	184	148361	29.363	ng/ul	92
55) 4-Nitrophenol	14.322	109	283576m	38.011	ng/ul	
56) Dibenzofuran	14.457	168	1461083	28.402	ng/ul	97
57) 2,4-Dinitrotoluene	14.440	165	350554	27.069	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	14.710	232	4000653	400.404	ng/ul	88
59) Diethylphthalate	14.910	149	1115309	24.465	ng/ul	96
61) Fluorene	15.116	166	1397397	33.206	ng/ul#	94
62) 4-Chlorophenyl-phenyle...	15.116	204	543360	26.639	ng/ul	96
63) 4-Nitroaniline	15.140	138	183071	18.740	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.222	198	873570	116.206	ng/ul#	73
67) N-Nitrosodiphenylamine	15.334	169	1313696	38.612	ng/ul#	84
68) 4-Bromophenyl-phenylether	16.010	248	347823	30.168	ng/ul	95
69) Hexachlorobenzene	16.122	284	457825	34.212	ng/ul	97
70) Atrazine	16.381	200	279830	22.700	ng/ul	96
71) Pentachlorophenol	16.551	266	21549410m	2417.827	ng/ul	
72) Phenanthrene	16.875	178	2906168	46.420	ng/ul	98
74) Anthracene	16.957	178	1823392	28.523	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	12.828	216	506799	32.072	ng/uL	97
76) Pentachlorobenzene	14.381	250	512753	31.869	ng/uL	99
77) Carbazole	17.228	167	1569869	26.681	ng/ul	93
78) Di-n-butylphthalate	17.804	149	1994836	26.671	ng/ul	98
80) Fluoranthene	18.881	202	2114637	28.211	ng/ul	98
82) Pyrene	19.245	202	2302996	28.579	ng/ul	96
83) Butylbenzylphthalate	20.180	149	957263	26.489	ng/ul	93
84) 3,3'-Dichlorobenzidine	20.963	252	305883	11.833	ng/ul	98
85) Benzo(a)anthracene	21.022	228	2232120	27.204	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	20.980	149	1548517	29.275	ng/ul#	94
87) Chrysene	21.080	228	2118168	27.056	ng/ul	98
89) Di-n-octyl phthalate	22.022	149	2542146	27.299	ng/ul	100
90) Benzo(b)fluoranthene	22.904	252	2418794	28.348	ng/ul	99
91) Benzo(k)fluoranthene	22.963	252	2303095	27.361	ng/ul	99
93) Benzo(a)pyrene	23.627	252	2209175	27.407	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	26.762	276	3054064m	30.580	ng/ul	
95) Dibenzo(a,h)anthracene	26.810	278	2459945	30.472	ng/ul	98
96) Benzo(g,h,i)perylene	27.698	276	2399043	30.943	ng/ul	95

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

