

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042624\
 Data File : BN031248.D
 Acq On : 26 Apr 2024 16:26
 Operator : MA/JU
 Sample : P2249-09MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E08N2MS

Quant Time: Apr 26 17:00:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/29/2024
 Supervised By :mohammad ahmed 04/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	294913	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.405	136	1283432	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.275	164	821469	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.022	188	1620664	20.000	ng/ul	-0.01
79) Chrysene-d12	21.263	240	1111863	20.000	ng/ul	0.00
88) Perylene-d12	24.151	264	1091234	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	47135	7.467	ng/uL	0.00
4) Pyridine-d5	3.540	84	518958	28.547	ng/ul	-0.01
7) Phenol-d5	6.805	99	777378	31.248	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.969	67	459529	31.748	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.158	132	633418	32.700	ng/ul	-0.01
15) 4-Methylphenol-d8	8.340	113	641167	30.646	ng/ul	0.00
21) Nitrobenzene-d5	8.781	128	333229	36.137	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.499	143	372347	38.845	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.034	165	646176	34.184	ng/ul	0.00
31) 4-Chloroaniline-d4	10.552	131	867258	29.359	ng/ul	-0.01
46) Dimethylphthalate-d6	13.693	166	1927877	33.725	ng/ul	0.00
49) Acenaphthylene-d8	13.963	160	2193872	33.868	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.498	143	366479	30.716	ng/ul	0.00
60) Fluorene-d10	15.269	176	1572442	31.599	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.404	200	304648	37.259	ng/ul	0.00
73) Anthracene-d10	17.122	188	2304108	32.801	ng/ul	-0.01
81) Pyrene-d10	19.428	212	2510114	45.942	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.963	264	1811293	35.003	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.176	88	77832	11.635	ng/uL	95
5) Pyridine	3.564	79	611473	33.333	ng/ul	95
6) Benzaldehyde	6.775	77	470617	38.526	ng/ul	99
8) Phenol	6.834	94	889631	34.685	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.064	93	681167	33.659	ng/ul	99
12) 2-Chlorophenol	7.193	128	719240	35.722	ng/ul	99
13) 2-Methylphenol	8.069	108	676450	34.033	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.146	45	906486	34.356	ng/ul	100
16) Acetophenone	8.452	105	1037726	32.013	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.440	70	530363	32.824	ng/ul	99
18) 4-Methylphenol	8.405	108	746701	33.538	ng/ul	98
19) Hexachloroethane	8.687	117	293248	35.099	ng/ul	98
22) Nitrobenzene	8.828	77	792153	36.397	ng/ul	97
23) Isophorone	9.352	82	1574197	35.443	ng/ul	99
25) 2-Nitrophenol	9.528	139	429004	40.452	ng/ul	96
26) 2,4-Dimethylphenol	9.593	107	779499	36.041	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.834	93	960358	35.598	ng/ul	100
29) 2,4-Dichlorophenol	10.058	162	697394	36.938	ng/ul	100
30) Naphthalene	10.458	128	2307863	34.697	ng/ul	99
32) 4-Chloroaniline	10.575	127	860105	29.967	ng/ul	100
33) Hexachlorobutadiene	10.728	225	411652	35.766	ng/ul	98
34) Caprolactam	11.369	113	253472m	34.074	ng/ul	
35) 4-Chloro-3-methylphenol	11.710	107	787143	35.959	ng/ul	99
36) 2-Methylnaphthalene	12.075	142	1591034	33.920	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.299	142	1622185	34.178	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.446	216	810873	37.723	ng/ul	97
40) Hexachlorocyclopentadiene	12.422	237	415318	35.173	ng/ul	98
41) 2,4,6-Trichlorophenol	12.693	196	552336	38.604	ng/ul	93
42) 2,4,5-Trichlorophenol	12.769	196	608355	38.350	ng/ul	98
43) 1,1'-Biphenyl	13.104	154	2038924	36.089	ng/ul	97
44) 2-Chloronaphthalene	13.140	162	1595324	35.337	ng/ul	100
45) 2-Nitroaniline	13.363	65	496970	39.875	ng/ul	100
47) Dimethylphthalate	13.740	163	2050539	34.771	ng/ul	99
48) 2,6-Dinitrotoluene	13.863	165	436071	39.392	ng/ul	99
50) Acenaphthylene	13.993	152	2535165	33.504	ng/ul	99
51) 3-Nitroaniline	14.193	138	465913	36.661	ng/ul#	93
52) Acenaphthene	14.340	153	1656477	33.023	ng/ul	96
53) 2,4-Dinitrophenol	14.404	184	255192	40.763	ng/ul	97
55) 4-Nitrophenol	14.516	109	316993	32.738	ng/ul	98
56) Dibenzofuran	14.675	168	2316028	33.395	ng/ul	100
57) 2,4-Dinitrotoluene	14.657	165	623088	37.043	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.904	232	500643	36.518	ng/ul	97
59) Diethylphthalate	15.110	149	2056645	33.911	ng/ul	98
61) Fluorene	15.328	166	1786034	31.293	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.322	204	867008	31.893	ng/ul	98
63) 4-Nitroaniline	15.369	138	485261m	35.415	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.416	198	366895	41.789	ng/ul#	99
67) N-Nitrosodiphenylamine	15.545	169	1631064	37.548	ng/ul	99
68) 4-Bromophenyl-phenylether	16.222	248	584544	38.139	ng/ul	89
69) Hexachlorobenzene	16.322	284	662952	37.520	ng/ul	98
70) Atrazine	16.504	200	562001	36.851	ng/ul	98
71) Pentachlorophenol	16.675	266	415419	36.187	ng/ul	94
72) Phenanthrene	17.069	178	2886706	33.676	ng/ul	98
74) Anthracene	17.157	178	2795916	32.230	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.063	216	817365	42.997	ng/uL	98
76) Pentachlorobenzene	14.587	250	753016	38.360	ng/uL	97
77) Carbazole	17.434	167	2727144	34.416	ng/ul	97
78) Di-n-butylphthalate	17.998	149	3576517	37.029	ng/ul	99
80) Fluoranthene	19.092	202	3174849	49.098	ng/ul	99
82) Pyrene	19.457	202	3262355	48.017	ng/ul	99
83) Butylbenzylphthalate	20.369	149	1497601	49.955	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.175	252	742801	32.062	ng/ul	95
85) Benzo(a)anthracene	21.245	228	2742868	36.328	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.169	149	1931595	42.912	ng/ul	98
87) Chrysene	21.304	228	2613129	36.461	ng/ul	98
89) Di-n-octyl phthalate	22.269	149	3185436	50.643	ng/ul	100
90) Benzo(b)fluoranthene	23.245	252	2443364	39.795	ng/ul	99
91) Benzo(k)fluoranthene	23.304	252	2346691	38.001	ng/ul	99
93) Benzo(a)pyrene	24.022	252	2036726	33.252	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.410	276	2599419	34.199	ng/ul	99
95) Dibenzo(a,h)anthracene	27.468	278	2133001	34.190	ng/ul	97
96) Benzo(g,h,i)perylene	28.421	276	2064913	33.736	ng/ul	98

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

