

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042424\
 Data File : BN031200.D
 Acq On : 24 Apr 2024 22:49
 Operator : MA/JU
 Sample : P2221-07MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E0809MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel
 04/26/2024

Supervised By :mohammad
 ahmed
 04/27/2024

Quant Time: Apr 24 23:27:38 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	192524	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.410	136	905850	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.275	164	603312	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.028	188	1341601	20.000	ng/u1	0.00
79) Chrysene-d12	21.263	240	1414604	20.000	ng/u1	0.00
88) Perylene-d12	24.163	264	1663445	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	21834	5.298	ng/uL	0.00
4) Pyridine-d5	3.552	84	259104	21.833	ng/u1	0.00
7) Phenol-d5	6.805	99	479210	29.507	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	268146	28.378	ng/u1	0.00
11) 2-Chlorophenol-d4	7.164	132	374836	29.642	ng/u1	0.00
15) 4-Methylphenol-d8	8.340	113	399007	29.214	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	197508	30.346	ng/u1	0.00
24) 2-Nitrophenol-d4	9.499	143	210819	31.161	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.034	165	411530	30.846	ng/u1	0.00
31) 4-Chloroaniline-d4	10.552	131	524015	25.134	ng/u1	-0.01
46) Dimethylphthalate-d6	13.693	166	1257896	29.962	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	1469235	30.883	ng/u1	0.00
54) 4-Nitrophenol-d4	14.498	143	263144	30.030	ng/u1	0.00
60) Fluorene-d10	15.275	176	1102611	30.169	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.404	200	192235	28.401	ng/u1	0.00
73) Anthracene-d10	17.128	188	1780969	30.627	ng/u1	0.00
81) Pyrene-d10	19.428	212	2232644	32.118	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.963	264	2502405	31.724	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	42071	9.634	ng/uL	97
5) Pyridine	3.570	79	375397	31.347	ng/u1	95
6) Benzaldehyde	6.781	77	286859	35.972	ng/u1	99
8) Phenol	6.834	94	604082	36.078	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.064	93	439219	33.246	ng/u1	97
12) 2-Chlorophenol	7.193	128	472103	35.918	ng/u1	99
13) 2-Methylphenol	8.075	108	453934	34.983	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.152	45	582750	33.833	ng/u1	99
16) Acetophenone	8.452	105	712456	33.667	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.440	70	349582	33.142	ng/u1	99
18) 4-Methylphenol	8.399	108	510942	35.153	ng/u1	98
19) Hexachloroethane	8.693	117	173218	31.759	ng/u1	99
22) Nitrobenzene	8.828	77	533373	34.722	ng/u1	99
23) Isophorone	9.352	82	1039396	33.157	ng/u1	99
25) 2-Nitrophenol	9.534	139	281812	37.650	ng/u1	96
26) 2,4-Dimethylphenol	9.593	107	523939	34.322	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.834	93	639956	33.609	ng/u1	99
29) 2,4-Dichlorophenol	10.057	162	474400	35.601	ng/u1	95
30) Naphthalene	10.457	128	1579863	33.653	ng/u1	99
32) 4-Chloroaniline	10.581	127	579467	28.604	ng/u1	100
33) Hexachlorobutadiene	10.734	225	262409	32.302	ng/u1	95
34) Caprolactam	11.363	113	180025m	34.288	ng/u1	
35) 4-Chloro-3-methylphenol	11.710	107	545164	35.285	ng/u1	98
36) 2-Methylnaphthalene	12.075	142	1117464	33.754	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.299	142	1126489	33.627	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.451	216	560539	35.507	ng/ul	96
40) Hexachlorocyclopentadiene	12.422	237	211567	24.397	ng/ul	95
41) 2,4,6-Trichlorophenol	12.698	196	395407	37.629	ng/ul	90
42) 2,4,5-Trichlorophenol	12.769	196	433100	37.175	ng/ul	99
43) 1,1'-Biphenyl	13.104	154	1454855	35.063	ng/ul	99
44) 2-Chloronaphthalene	13.146	162	1140095	34.385	ng/ul	98
45) 2-Nitroaniline	13.363	65	356570	38.955	ng/ul	100
47) Dimethylphthalate	13.740	163	1452821	33.543	ng/ul	99
48) 2,6-Dinitrotoluene	13.863	165	307014	37.762	ng/ul	94
50) Acenaphthylene	13.998	152	1915512	34.469	ng/ul	99
51) 3-Nitroaniline	14.198	138	344350	36.893	ng/ul	92
52) Acenaphthene	14.340	153	1229350	33.370	ng/ul	97
53) 2,4-Dinitrophenol	14.404	184	143985	31.316	ng/ul	96
55) 4-Nitrophenol	14.510	109	253983	35.715	ng/ul	98
56) Dibenzofuran	14.681	168	1768352	34.718	ng/ul	98
57) 2,4-Dinitrotoluene	14.657	165	465932	37.717	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.904	232	379040	37.646	ng/ul	99
59) Diethylphthalate	15.116	149	1507289	33.839	ng/ul	98
61) Fluorene	15.328	166	1390839	33.181	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.328	204	653874	32.750	ng/ul	98
63) 4-Nitroaniline	15.369	138	384255m	38.184	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.416	198	248678	34.216	ng/ul#	97
67) N-Nitrosodiphenylamine	15.545	169	1250005	34.761	ng/ul	98
68) 4-Bromophenyl-phenylether	16.222	248	448385	35.340	ng/ul	94
69) Hexachlorobenzene	16.328	284	505232	34.542	ng/ul	98
70) Atrazine	16.504	200	432931	34.292	ng/ul	95
71) Pentachlorophenol	16.675	266	343711	36.168	ng/ul	96
72) Phenanthrene	17.069	178	2426073	34.189	ng/ul	99
74) Anthracene	17.163	178	2403621	33.471	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.063	216	587870	37.357	ng/ul	100
76) Pentachlorobenzene	14.593	250	567164	34.902	ng/ul	97
77) Carbazole	17.439	167	2358876	35.961	ng/ul	98
78) Di-n-butylphthalate	18.004	149	2894025	36.196	ng/ul	100
80) Fluoranthene	19.092	202	2999682	36.461	ng/ul	98
82) Pyrene	19.457	202	3103638	35.905	ng/ul	100
83) Butylbenzylphthalate	20.369	149	1496989	39.248	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.180	252	933113	31.657	ng/ul	95
85) Benzo(a)anthracene	21.245	228	3324283	34.606	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.175	149	2113021	36.897	ng/ul	100
87) Chrysene	21.304	228	3176696	34.839	ng/ul	97
89) Di-n-octyl phthalate	22.269	149	4060562	42.349	ng/ul	100
90) Benzo(b)fluoranthene	23.251	252	3548586	37.914	ng/ul	100
91) Benzo(k)fluoranthene	23.310	252	3415098	36.279	ng/ul	99
93) Benzo(a)pyrene	24.027	252	2978189	31.896	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.421	276	3760536	32.456	ng/ul	99
95) Dibenzo(a,h)anthracene	27.468	278	3052473	32.098	ng/ul	97
96) Benzo(g,h,i)perylene	28.421	276	2852575	30.573	ng/ul	98

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

