

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN042223\  
 Data File : BN025105.D  
 Acq On : 23 Apr 2023 09:36  
 Operator : CG/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD020279

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/24/2023  
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 24 00:43:44 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN041023.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Apr 23 01:54:00 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.916	152	277633	20.000	ng/ul	0.00	
20) Naphthalene-d8	10.728	136	1338445	20.000	ng/ul	0.00	
38) Acenaphthene-d10	14.563	164	880864	20.000	ng/ul	0.00	
64) Phenanthrene-d10	17.310	188	1954552	20.000	ng/ul	0.00	
79) Chrysene-d12	21.504	240	1997449	20.000	ng/ul	0.00	
88) Perylene-d12	23.939	264	2281674	20.000	ng/ul	0.00	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.287	96	54887	7.524	ng/uL	0.00	
4) Pyridine-d5	3.717	84	401496	18.381	ng/ul	0.00	
7) Phenol-d5	7.075	99	519092	19.178	ng/ul	0.00	
9) Bis-(2-Chloroethyl)eth...	7.246	67	364201	20.117	ng/ul	0.00	
11) 2-Chlorophenol-d4	7.440	132	398499	20.033	ng/ul	0.00	
15) 4-Methylphenol-d8	8.628	113	430499	20.034	ng/ul	0.00	
21) Nitrobenzene-d5	9.081	128	203580	18.785	ng/ul	0.00	
24) 2-Nitrophenol-d4	9.805	143	226611	19.305	ng/ul	0.00	
28) 2,4-Dichlorophenol-d3	10.346	165	413562	19.711	ng/ul	0.00	
31) 4-Chloroaniline-d4	10.869	131	634696	19.934	ng/ul	0.00	
46) Dimethylphthalate-d6	13.969	166	1372103	20.093	ng/ul	0.00	
49) Acenaphthylene-d8	14.257	160	1534092	19.605	ng/ul	0.00	
54) 4-Nitrophenol-d4	14.757	143	268579	19.187	ng/ul	0.00	
60) Fluorene-d10	15.551	176	1161723	20.150	ng/ul	0.00	
65) 4,6-Dinitro-2-methylph...	15.675	200	236936	18.627	ng/ul	0.00	
73) Anthracene-d10	17.410	188	1845668	20.106	ng/ul	0.00	
81) Pyrene-d10	19.704	212	2160314	18.625	ng/ul	0.00	
92) Benzo(a)pyrene-d12	23.792	264	2301356	19.290	ng/ul	0.01	
Target Compounds							
2) 1,4-Dioxane	3.323	88	59115	7.509	ng/uL	97	
5) Pyridine	3.734	79	422998	18.744	ng/ul	97	
6) Benzaldehyde	7.052	77	304872	23.053	ng/ul	99	
8) Phenol	7.099	94	545474	19.350	ng/ul	98	
10) Bis(2-Chloroethyl)ether	7.334	93	446783	20.188	ng/ul	100	
12) 2-Chlorophenol	7.475	128	413540	19.905	ng/ul	98	
13) 2-Methylphenol	8.358	108	411901	19.902	ng/ul	100	
14) 2,2'-oxybis(1-Chloropr...	8.446	45	882090	20.299	ng/ul	99	
16) Acetophenone	8.746	105	711870	20.951	ng/ul	100	
17) N-Nitroso-di-n-propyla...	8.728	70	386494	21.089	ng/ul	99	
18) 4-Methylphenol	8.693	108	462897	20.113	ng/ul	98	
19) Hexachloroethane	8.999	117	167089	19.928	ng/ul	95	
22) Nitrobenzene	9.128	77	552897	18.987	ng/ul	98	
23) Isophorone	9.652	82	1058240	19.797	ng/ul	99	
25) 2-Nitrophenol	9.840	139	252182	19.916	ng/ul	97	
26) 2,4-Dimethylphenol	9.899	107	519019	19.468	ng/ul	99	
27) Bis(2-Chloroethoxy)met...	10.134	93	652868	19.626	ng/ul	99	
29) 2,4-Dichlorophenol	10.369	162	415787	19.746	ng/ul	97	
30) Naphthalene	10.775	128	1443586	19.312	ng/ul	99	
32) 4-Chloroaniline	10.887	127	642595	19.936	ng/ul	98	
33) Hexachlorobutadiene	11.057	225	248747	20.267	ng/ul	97	
34) Caprolactam	11.657	113	142332m	19.285	ng/ul		
35) 4-Chloro-3-methylphenol	12.010	107	494875	20.044	ng/ul	99	
36) 2-Methylnaphthalene	12.387	142	987754	19.994	ng/ul	99	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.604	142	993010	20.136	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.757	216	501208	19.507	ng/ul	99
40) Hexachlorocyclopentadiene	12.734	237	275044	17.555	ng/ul	99
41) 2,4,6-Trichlorophenol	12.993	196	342375	19.502	ng/ul	99
42) 2,4,5-Trichlorophenol	13.063	196	383774	19.976	ng/ul	95
43) 1,1'-Biphenyl	13.393	154	1342309	19.126	ng/ul	98
44) 2-Chloronaphthalene	13.440	162	1051260	19.291	ng/ul	99
45) 2-Nitroaniline	13.646	65	363748	19.115	ng/ul	99
47) Dimethylphthalate	14.016	163	1387421	20.193	ng/ul	100
48) 2,6-Dinitrotoluene	14.145	165	268172	19.997	ng/ul	99
50) Acenaphthylene	14.281	152	1675284	19.492	ng/ul	99
51) 3-Nitroaniline	14.469	138	281322	19.962	ng/ul	97
52) Acenaphthene	14.628	153	1170449	19.698	ng/ul	98
53) 2,4-Dinitrophenol	14.675	184	140060	16.243	ng/ul	91
55) 4-Nitrophenol	14.775	109	224871	19.738	ng/ul	95
56) Dibenzofuran	14.957	168	1637917	19.999	ng/ul	97
57) 2,4-Dinitrotoluene	14.928	165	401186	20.666	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.187	232	322683	20.398	ng/ul	96
59) Diethylphthalate	15.381	149	1425107	20.642	ng/ul	99
61) Fluorene	15.610	166	1337678	20.306	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.604	204	637078	20.777	ng/ul	97
63) 4-Nitroaniline	15.634	138	295812	21.299	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.692	198	237999	19.101	ng/ul	96
67) N-Nitrosodiphenylamine	15.816	169	1155710	19.490	ng/ul	97
68) 4-Bromophenyl-phenylether	16.498	248	394928	20.102	ng/ul	99
69) Hexachlorobenzene	16.616	284	451681	20.306	ng/ul	96
70) Atrazine	16.769	200	411954	20.417	ng/ul	99
71) Pentachlorophenol	16.957	266	267153	19.323	ng/ul	93
72) Phenanthrene	17.351	178	2148195	19.476	ng/ul	99
74) Anthracene	17.445	178	2211772	19.900	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.363	216	516745	18.588	ng/ul	97
76) Pentachlorobenzene	14.881	250	523611	19.686	ng/ul	99
77) Carbazole	17.716	167	2019020	20.119	ng/ul	98
78) Di-n-butylphthalate	18.275	149	2511082	21.081	ng/ul	99
80) Fluoranthene	19.369	202	2560175	18.417	ng/ul	100
82) Pyrene	19.733	202	2704370	18.482	ng/ul	96
83) Butylbenzylphthalate	20.627	149	1179325	19.413	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.422	252	935166	20.405	ng/ul	94
85) Benzo(a)anthracene	21.486	228	2743181	19.122	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.410	149	1819560	20.064	ng/ul	99
87) Chrysene	21.539	228	2577689	18.864	ng/ul	96
89) Di-n-octyl phthalate	22.351	149	3160303	20.155	ng/ul	100
90) Benzo(b)fluoranthene	23.192	252	2903400	19.403	ng/ul	95
91) Benzo(k)fluoranthene	23.245	252	2765530	18.783	ng/ul	96
93) Benzo(a)pyrene	23.839	252	2585555	19.736	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.498	276	3102180m	19.544	ng/ul	
95) Dibenzo(a,h)anthracene	26.498	278	2573238	19.636	ng/ul	99
96) Benzo(g,h,i)perylene	27.274	276	2435783m	18.911	ng/ul	

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

