

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041924\
 Data File : BN031051.D
 Acq On : 19 Apr 2024 22:22
 Operator : MA/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 99 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV223

Quant Time: Apr 19 23:02:55 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 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	113785	20.000	ng/u1	0.00
20) Naphthalene-d8	10.416	136	538022	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	389553	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.034	188	867229	20.000	ng/u1	0.00
79) Chrysene-d12	21.269	240	958978	20.000	ng/u1	0.00
88) Perylene-d12	24.174	264	1258025	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	18310	7.518	ng/uL	0.00
4) Pyridine-d5	3.552	84	149280	21.283	ng/u1	0.00
7) Phenol-d5	6.811	99	198073	20.636	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.981	67	118245	21.174	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	157500	21.074	ng/u1	0.00
15) 4-Methylphenol-d8	8.340	113	168329	20.853	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	83851	21.691	ng/u1	0.00
24) 2-Nitrophenol-d4	9.510	143	87902	21.876	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	172692	21.793	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	267225	21.580	ng/u1	0.00
46) Dimethylphthalate-d6	13.698	166	571452	21.081	ng/u1	0.00
49) Acenaphthylene-d8	13.975	160	653947	21.288	ng/u1	0.00
54) 4-Nitrophenol-d4	14.492	143	119701	21.156	ng/u1	0.00
60) Fluorene-d10	15.281	176	498581	21.128	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.404	200	89099	20.364	ng/u1	0.00
73) Anthracene-d10	17.134	188	822933	21.893	ng/u1	0.00
81) Pyrene-d10	19.433	212	1042795	22.129	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.968	264	1243664	20.847	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.181	88	20771	8.048	ng/uL	91
5) Pyridine	3.570	79	147308	20.813	ng/u1	99
6) Benzaldehyde	6.787	77	117818m	24.998	ng/u1	
8) Phenol	6.834	94	205543	20.770	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.069	93	165815	21.236	ng/u1	96
12) 2-Chlorophenol	7.199	128	166567	21.442	ng/u1	99
13) 2-Methylphenol	8.081	108	162015	21.126	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.158	45	221792	21.787	ng/u1	99
16) Acetophenone	8.457	105	273879	21.898	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.440	70	136289	21.862	ng/u1	97
18) 4-Methylphenol	8.405	108	179212	20.862	ng/u1	98
19) Hexachloroethane	8.705	117	68665	21.301	ng/u1	95
22) Nitrobenzene	8.834	77	196400	21.527	ng/u1	99
23) Isophorone	9.357	82	399578	21.461	ng/u1	98
25) 2-Nitrophenol	9.540	139	97885	22.018	ng/u1	97
26) 2,4-Dimethylphenol	9.599	107	196009	21.619	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.840	93	244159	21.589	ng/u1	98
29) 2,4-Dichlorophenol	10.063	162	171918	21.722	ng/u1	99
30) Naphthalene	10.469	128	597803	21.440	ng/u1	99
32) 4-Chloroaniline	10.581	127	261218	21.710	ng/u1	99
33) Hexachlorobutadiene	10.746	225	103242	21.398	ng/u1	98
34) Caprolactam	11.363	113	63775	20.451	ng/u1	98
35) 4-Chloro-3-methylphenol	11.710	107	199516	21.742	ng/u1	97
36) 2-Methylnaphthalene	12.087	142	423973	21.562	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.310	142	425965	21.409	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.457	216	214809	21.073	ng/ul	98
40) Hexachlorocyclopentadiene	12.434	237	110816	19.791	ng/ul	94
41) 2,4,6-Trichlorophenol	12.704	196	142497	21.002	ng/ul	89
42) 2,4,5-Trichlorophenol	12.775	196	160097	21.282	ng/ul	96
43) 1,1'-Biphenyl	13.110	154	558467	20.845	ng/ul	99
44) 2-Chloronaphthalene	13.151	162	450440	21.040	ng/ul	97
45) 2-Nitroaniline	13.363	65	126626	21.425	ng/ul	97
47) Dimethylphthalate	13.745	163	589834	21.091	ng/ul	99
48) 2,6-Dinitrotoluene	13.869	165	114545	21.820	ng/ul	99
50) Acenaphthylene	14.004	152	765416	21.331	ng/ul	99
51) 3-Nitroaniline	14.198	138	131045	21.744	ng/ul	95
52) Acenaphthene	14.345	153	504570	21.212	ng/ul	97
53) 2,4-Dinitrophenol	14.404	184	53162	17.907	ng/ul	93
55) 4-Nitrophenol	14.510	109	98527	21.458	ng/ul	97
56) Dibenzofuran	14.687	168	694301	21.111	ng/ul	98
57) 2,4-Dinitrotoluene	14.657	165	177836	22.295	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.910	232	137483	21.147	ng/ul	99
59) Diethylphthalate	15.116	149	607855	21.135	ng/ul	99
61) Fluorene	15.334	166	574859	21.240	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.334	204	278881	21.633	ng/ul	96
63) 4-Nitroaniline	15.363	138	150244	23.122	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.416	198	98521	20.970	ng/ul	99
67) N-Nitrosodiphenylamine	15.551	169	495992	21.338	ng/ul	99
68) 4-Bromophenyl-phenylether	16.228	248	172855	21.076	ng/ul	97
69) Hexachlorobenzene	16.334	284	205847	21.771	ng/ul	99
70) Atrazine	16.510	200	181046	22.185	ng/ul	99
71) Pentachlorophenol	16.681	266	129858	21.139	ng/ul	98
72) Phenanthrene	17.075	178	982177	21.412	ng/ul	100
74) Anthracene	17.169	178	1010204	21.762	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.069	216	215904	21.225	ng/uL	99
76) Pentachlorobenzene	14.598	250	225512	21.469	ng/uL	95
77) Carbazole	17.445	167	944595	22.277	ng/ul	99
78) Di-n-butylphthalate	18.010	149	1129656	21.857	ng/ul	99
80) Fluoranthene	19.098	202	1194194	21.412	ng/ul	100
82) Pyrene	19.463	202	1287062	21.964	ng/ul	100
83) Butylbenzylphthalate	20.375	149	572049	22.124	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.186	252	447160	22.378	ng/ul	96
85) Benzo(a)anthracene	21.251	228	1384337	21.258	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.180	149	871824	22.456	ng/ul	99
87) Chrysene	21.310	228	1348438	21.814	ng/ul	98
89) Di-n-octyl phthalate	22.280	149	1566008	21.596	ng/ul	100
90) Benzo(b)fluoranthene	23.251	252	1505476	21.269	ng/ul	97
91) Benzo(k)fluoranthene	23.316	252	1585936	22.277	ng/ul	96
93) Benzo(a)pyrene	24.033	252	1481549	20.981	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.421	276	1797499m	20.513	ng/ul	
95) Dibenzo(a,h)anthracene	27.480	278	1509177	20.984	ng/ul	97
96) Benzo(g,h,i)perylene	28.433	276	1445965m	20.492	ng/ul	

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

