

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111423\
 Data File : BN028595.D
 Acq On : 14 Nov 2023 10:33
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020284

Quant Time: Nov 14 12:23:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN111423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 14 04:50:19 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/16/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	250548	20.000	ng/u1	0.00
20) Naphthalene-d8	10.487	136	1338044	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.345	164	916769	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.092	188	1975284	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1818860	20.000	ng/u1	0.00
88) Perylene-d12	23.609	264	1934778	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	56604	8.089	ng/uL	0.00
4) Pyridine-d5	3.563	84	290158	18.915	ng/u1	0.00
7) Phenol-d5	6.887	99	454803	19.001	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	298299	20.149	ng/u1	0.00
11) 2-Chlorophenol-d4	7.234	132	402890	19.260	ng/u1	0.00
15) 4-Methylphenol-d8	8.422	113	386779	19.624	ng/u1	0.00
21) Nitrobenzene-d5	8.863	128	215902	17.971	ng/u1	0.00
24) 2-Nitrophenol-d4	9.581	143	215671	17.150	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	404478	18.916	ng/u1	0.00
31) 4-Chloroaniline-d4	10.640	131	605207	18.676	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	1582543	19.145	ng/u1	0.00
49) Acenaphthylene-d8	14.039	160	1788675	18.774	ng/u1	0.00
54) 4-Nitrophenol-d4	14.581	143	150049	17.129	ng/u1	-0.01
60) Fluorene-d10	15.339	176	1289329	18.919	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.469	200	207483	18.910	ng/u1	0.00
73) Anthracene-d10	17.192	188	2104271	19.084	ng/u1	0.00
81) Pyrene-d10	19.498	212	2465552	17.873	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.468	264	2232881	18.435	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	59612	7.977	ng/uL	98
5) Pyridine	3.581	79	293769	18.521	ng/u1	96
6) Benzaldehyde	6.846	77	183596	16.267	ng/u1	97
8) Phenol	6.910	94	462504	19.423	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.134	93	394697	19.529	ng/u1	98
12) 2-Chlorophenol	7.263	128	416054	19.991	ng/u1	98
13) 2-Methylphenol	8.157	108	348333	18.256	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.222	45	701330	22.478	ng/u1	99
16) Acetophenone	8.528	105	657601	20.292	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.510	70	358112	21.188	ng/u1	98
18) 4-Methylphenol	8.487	108	385040	18.792	ng/u1	97
19) Hexachloroethane	8.763	117	195443	20.445	ng/u1	97
22) Nitrobenzene	8.904	77	457765	17.804	ng/u1	98
23) Isophorone	9.422	82	1133780	19.775	ng/u1	99
25) 2-Nitrophenol	9.610	139	219561	16.600	ng/u1	99
26) 2,4-Dimethylphenol	9.681	107	448105	17.289	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.916	93	601103	18.154	ng/u1	98
29) 2,4-Dichlorophenol	10.145	162	381935	18.052	ng/u1	99
30) Naphthalene	10.540	128	1616036	18.862	ng/u1	99
32) 4-Chloroaniline	10.663	127	541282	17.816	ng/u1	100
33) Hexachlorobutadiene	10.822	225	289368	18.252	ng/u1	94
34) Caprolactam	11.434	113	146447m	20.453	ng/u1	
35) 4-Chloro-3-methylphenol	11.798	107	446559	19.351	ng/u1	98
36) 2-Methylnaphthalene	12.157	142	1097513	19.347	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.375	142	1126903	19.228	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.528	216	564428	18.122	ng/ul	93
40) Hexachlorocyclopentadiene	12.504	237	302565	19.291	ng/ul	97
41) 2,4,6-Trichlorophenol	12.781	196	340508	18.650	ng/ul	98
42) 2,4,5-Trichlorophenol	12.851	196	393763m	18.053	ng/ul	
43) 1,1'-Biphenyl	13.181	154	1451851	17.967	ng/ul	97
44) 2-Chloronaphthalene	13.216	162	1171012	18.164	ng/ul	97
45) 2-Nitroaniline	13.439	65	292243	17.747	ng/ul	99
47) Dimethylphthalate	13.816	163	1578153	19.257	ng/ul	100
48) 2,6-Dinitrotoluene	13.934	165	305661	18.889	ng/ul	99
50) Acenaphthylene	14.063	152	2045804	19.062	ng/ul	99
51) 3-Nitroaniline	14.275	138	272801	17.197	ng/ul	94
52) Acenaphthene	14.410	153	1323464	18.738	ng/ul	100
53) 2,4-Dinitrophenol	14.486	184	35882	9.050	ng/ul	91
55) 4-Nitrophenol	14.598	109	92438	16.134	ng/ul	97
56) Dibenzofuran	14.745	168	1808063	19.186	ng/ul	100
57) 2,4-Dinitrotoluene	14.722	165	453612	20.392	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.975	232	339864	19.357	ng/ul	99
59) Diethylphthalate	15.181	149	1661403	19.827	ng/ul	97
61) Fluorene	15.398	166	1502672	19.131	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.398	204	707994	18.626	ng/ul	97
63) 4-Nitroaniline	15.445	138	299839m	19.741	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.480	198	219256	19.125	ng/ul	95
67) N-Nitrosodiphenylamine	15.616	169	1307158	19.195	ng/ul	97
68) 4-Bromophenyl-phenylether	16.292	248	444841	18.850	ng/ul	94
69) Hexachlorobenzene	16.398	284	520366	18.776	ng/ul	97
70) Atrazine	16.575	200	445872	21.377	ng/ul	99
71) Pentachlorophenol	16.745	266	276747	19.909	ng/ul	96
72) Phenanthrene	17.133	178	2332883	18.845	ng/ul	99
74) Anthracene	17.227	178	2474927	19.142	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.139	216	588094	17.399	ng/ul	94
76) Pentachlorobenzene	14.663	250	617303	18.637	ng/ul	96
77) Carbazole	17.510	167	2102934	19.855	ng/ul	99
78) Di-n-butylphthalate	18.080	149	2910846	20.571	ng/ul	100
80) Fluoranthene	19.163	202	2830138	17.535	ng/ul	100
82) Pyrene	19.527	202	2974116	17.866	ng/ul	99
83) Butylbenzylphthalate	20.451	149	1341228	19.295	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.233	252	852958	20.591	ng/ul	94
85) Benzo(a)anthracene	21.292	228	2752258	19.196	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.239	149	1973451	20.194	ng/ul	98
87) Chrysene	21.345	228	2852857	19.236	ng/ul	100
89) Di-n-octyl phthalate	22.139	149	3381752	20.255	ng/ul	100
90) Benzo(b)fluoranthene	22.915	252	2491384	17.806	ng/ul	97
91) Benzo(k)fluoranthene	22.962	252	3073153	19.578	ng/ul	99
93) Benzo(a)pyrene	23.509	252	2665304	19.143	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.980	276	2848495	17.506	ng/ul	98
95) Dibenzo(a,h)anthracene	25.992	278	2381733	17.755	ng/ul	94
96) Benzo(g,h,i)perylene	26.698	276	2245447	17.489	ng/ul	98

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

