

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032024\
 Data File : BN030435.D
 Acq On : 20 Mar 2024 18:28
 Operator : MA/JU
 Sample : SSTD04023
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD040249

Quant Time: Mar 21 00:25:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 21 00:01:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/21/2024
 Supervised By :mohammad ahmed 03/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	376768	20.000	ng/u1	0.00
20) Naphthalene-d8	10.516	136	1666579	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.369	164	1020479	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.122	188	2134000	20.000	ng/u1	0.00
79) Chrysene-d12	21.363	240	1873256	20.000	ng/u1	0.00
88) Perylene-d12	24.333	264	1986320	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.222	96	171603	15.371	ng/uL	0.00
4) Pyridine-d5	3.617	84	1248216	46.836	ng/u1	0.00
7) Phenol-d5	6.887	99	1539005	46.039	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.069	67	928315	48.907	ng/u1	0.00
11) 2-Chlorophenol-d4	7.258	132	1157375	43.221	ng/u1	0.00
15) 4-Methylphenol-d8	8.428	113	1212704	46.028	ng/u1	0.00
21) Nitrobenzene-d5	8.887	128	572986	41.204	ng/u1	0.00
24) 2-Nitrophenol-d4	9.599	143	539655	37.015	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.134	165	1127639	43.368	ng/u1	0.00
31) 4-Chloroaniline-d4	10.651	131	1757907	45.551	ng/u1	0.00
46) Dimethylphthalate-d6	13.793	166	3400391	41.327	ng/u1	0.00
49) Acenaphthylene-d8	14.063	160	3937061	42.238	ng/u1	0.00
54) 4-Nitrophenol-d4	14.569	143	658209	45.119	ng/u1	0.01
60) Fluorene-d10	15.369	176	2836818	42.029	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.487	200	410825	30.822	ng/u1	0.00
73) Anthracene-d10	17.222	188	4462696	43.067	ng/u1	0.00
81) Pyrene-d10	19.516	212	4781303	40.192	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.133	264	4622358	44.429	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.258	88	176457	16.466	ng/uL	96
5) Pyridine	3.640	79	1264544	46.638	ng/u1	99
6) Benzaldehyde	6.875	77	753920m	48.390	ng/u1	
8) Phenol	6.916	94	1564563	47.035	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.163	93	1280385	48.163	ng/u1	98
12) 2-Chlorophenol	7.293	128	1193623	43.321	ng/u1	98
13) 2-Methylphenol	8.163	108	1171917	46.991	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.258	45	1677829	69.413	ng/u1	98
16) Acetophenone	8.552	105	1910542	45.115	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.546	70	999883	49.348	ng/u1	99
18) 4-Methylphenol	8.493	108	1285283	48.773	ng/u1	100
19) Hexachloroethane	8.805	117	489744	38.260	ng/u1	97
22) Nitrobenzene	8.928	77	1408564	39.252	ng/u1	99
23) Isophorone	9.452	82	2912431	46.948	ng/u1	99
25) 2-Nitrophenol	9.634	139	621231	39.553	ng/u1	98
26) 2,4-Dimethylphenol	9.693	107	1339237	41.310	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.940	93	1745040	47.957	ng/u1	100
29) 2,4-Dichlorophenol	10.163	162	1102583	42.220	ng/u1	99
30) Naphthalene	10.563	128	3965792	41.687	ng/u1	100
32) 4-Chloroaniline	10.675	127	1722038	45.877	ng/u1	98
33) Hexachlorobutadiene	10.851	225	648652	35.605	ng/u1	97
34) Caprolactam	11.451	113	423119m	54.409	ng/u1	
35) 4-Chloro-3-methylphenol	11.798	107	1300153	43.995	ng/u1	97
36) 2-Methylnaphthalene	12.187	142	2677401	43.214	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.404	142	2648923	43.246	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.551	216	1294889	40.183	ng/ul	98
40) Hexachlorocyclopentadiene	12.534	237	741307	30.712	ng/ul	94
41) 2,4,6-Trichlorophenol	12.793	196	851109	41.629	ng/ul	96
42) 2,4,5-Trichlorophenol	12.857	196	947370	42.403	ng/ul	91
43) 1,1'-Biphenyl	13.204	154	3429510	39.819	ng/ul	99
44) 2-Chloronaphthalene	13.245	162	2689518	40.208	ng/ul	100
45) 2-Nitroaniline	13.445	65	791865	41.061	ng/ul	95
47) Dimethylphthalate	13.840	163	3406048	40.732	ng/ul	100
48) 2,6-Dinitrotoluene	13.951	165	668227	41.379	ng/ul	97
50) Acenaphthylene	14.092	152	4466640	41.187	ng/ul	99
51) 3-Nitroaniline	14.275	138	696783	44.033	ng/ul	98
52) Acenaphthene	14.434	153	2949333	41.048	ng/ul	96
53) 2,4-Dinitrophenol	14.481	184	244658	26.963	ng/ul	96
55) 4-Nitrophenol	14.581	109	499392	30.194	ng/ul	98
56) Dibenzofuran	14.775	168	3954382	41.262	ng/ul	99
57) 2,4-Dinitrotoluene	14.740	165	974098	42.265	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.992	232	784803	43.647	ng/ul	98
59) Diethylphthalate	15.216	149	3504589	39.211	ng/ul	99
61) Fluorene	15.422	166	3132170	39.589	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.428	204	1509447	39.852	ng/ul	97
63) 4-Nitroaniline	15.445	138	681491	46.516	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.498	198	478199	33.249	ng/ul	99
67) N-Nitrosodiphenylamine	15.639	169	2835601	42.116	ng/ul	97
68) 4-Bromophenyl-phenylether	16.322	248	932646	40.792	ng/ul	96
69) Hexachlorobenzene	16.416	284	1106164	44.178	ng/ul	95
70) Atrazine	16.598	200	949758	40.987	ng/ul	98
71) Pentachlorophenol	16.763	266	694816	41.008	ng/ul	94
72) Phenanthrene	17.163	178	5116803	41.113	ng/ul	99
74) Anthracene	17.257	178	5193097	41.019	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.157	216	1295816	40.676	ng/ul	99
76) Pentachlorobenzene	14.687	250	1243858	41.869	ng/ul	94
77) Carbazole	17.522	167	4839971	43.049	ng/ul	96
78) Di-n-butylphthalate	18.110	149	5986734	38.320	ng/ul	99
80) Fluoranthene	19.180	202	5916542	40.588	ng/ul	99
82) Pyrene	19.545	202	6017324	40.162	ng/ul	98
83) Butylbenzylphthalate	20.469	149	2595618	36.163	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.274	252	1883404	46.265	ng/ul	94
85) Benzo(a)anthracene	21.351	228	5927686	42.168	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.304	149	3872290	35.643	ng/ul	97
87) Chrysene	21.410	228	5511666	42.276	ng/ul	96
89) Di-n-octyl phthalate	22.445	149	6389822	34.366	ng/ul	100
90) Benzo(b)fluoranthene	23.404	252	5676515	43.344	ng/ul	98
91) Benzo(k)fluoranthene	23.468	252	5637291	41.676	ng/ul	98
93) Benzo(a)pyrene	24.204	252	5393490	43.513	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.692	276	5834153m	39.578	ng/ul	
95) Dibenzo(a,h)anthracene	27.768	278	4828446	40.181	ng/ul	100
96) Benzo(g,h,i)perylene	28.733	276	4577763	38.342	ng/ul	96

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

