

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032024\
 Data File : BN030438.D
 Acq On : 20 Mar 2024 20:26
 Operator : MA/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV203

Quant Time: Mar 21 11:15:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 21 00:37:15 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	358029	20.000	ng/u1	0.00
20) Naphthalene-d8	10.516	136	1643790	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.369	164	1049029	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.116	188	2169194	20.000	ng/u1	0.00
79) Chrysene-d12	21.362	240	1877900	20.000	ng/u1	0.00
88) Perylene-d12	24.333	264	2023625	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.222	96	73546	7.526	ng/uL	0.00
4) Pyridine-d5	3.622	84	583483	20.598	ng/u1	0.00
7) Phenol-d5	6.887	99	751353	21.472	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.069	67	493700	23.302	ng/u1	0.00
11) 2-Chlorophenol-d4	7.257	132	578421	22.648	ng/u1	0.00
15) 4-Methylphenol-d8	8.428	113	609299	22.252	ng/u1	0.00
21) Nitrobenzene-d5	8.881	128	289663	23.079	ng/u1	0.00
24) 2-Nitrophenol-d4	9.598	143	267773	24.080	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.128	165	561903	22.353	ng/u1	0.00
31) 4-Chloroaniline-d4	10.651	131	838581	20.471	ng/u1	0.00
46) Dimethylphthalate-d6	13.792	166	1766659	21.492	ng/u1	0.00
49) Acenaphthylene-d8	14.063	160	2037642	21.274	ng/u1	0.00
54) 4-Nitrophenol-d4	14.557	143	333715	21.469	ng/u1	0.00
60) Fluorene-d10	15.363	176	1473793	21.043	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.480	200	191232	19.780	ng/u1	0.00
73) Anthracene-d10	17.216	188	2264734	21.495	ng/u1	0.00
81) Pyrene-d10	19.515	212	2511204	21.821	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.133	264	2335031	21.744	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.252	88	77157	7.683	ng/uL	97
5) Pyridine	3.640	79	505460	17.662	ng/u1	97
6) Benzaldehyde	6.875	77	261612m	16.036	ng/u1	
8) Phenol	6.910	94	708451	19.965	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.157	93	575670	19.888	ng/u1	99
12) 2-Chlorophenol	7.287	128	546248	20.597	ng/u1	99
13) 2-Methylphenol	8.157	108	538700	20.085	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.263	45	719058	18.863	ng/u1	97
16) Acetophenone	8.545	105	926460	21.598	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.534	70	463735	20.682	ng/u1	99
18) 4-Methylphenol	8.487	108	591760	20.334	ng/u1	99
19) Hexachloroethane	8.804	117	219292	20.142	ng/u1	99
22) Nitrobenzene	8.922	77	644534	20.285	ng/u1	99
23) Isophorone	9.445	82	1320255	19.346	ng/u1	99
25) 2-Nitrophenol	9.628	139	293853	22.410	ng/u1	98
26) 2,4-Dimethylphenol	9.687	107	546921	17.998	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.940	93	805123	19.635	ng/u1	97
29) 2,4-Dichlorophenol	10.157	162	517028	20.593	ng/u1	98
30) Naphthalene	10.563	128	1841877	19.691	ng/u1	100
32) 4-Chloroaniline	10.675	127	761769	19.308	ng/u1	100
33) Hexachlorobutadiene	10.851	225	295014	19.226	ng/u1	92
34) Caprolactam	11.434	113	207719m	21.099	ng/u1	
35) 4-Chloro-3-methylphenol	11.792	107	605307	20.472	ng/u1	94
36) 2-Methylnaphthalene	12.181	142	1244102	19.585	ng/u1	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.404	142	1228849	19.663	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.545	216	629743	19.930	ng/ul	96
40) Hexachlorocyclopentadiene	12.528	237	246448	13.833	ng/ul	94
41) 2,4,6-Trichlorophenol	12.786	196	385613	19.393	ng/ul	96
42) 2,4,5-Trichlorophenol	12.857	196	438281	20.318	ng/ul	96
43) 1,1'-Biphenyl	13.204	154	1694710	20.216	ng/ul	100
44) 2-Chloronaphthalene	13.239	162	1252385	18.923	ng/ul	96
45) 2-Nitroaniline	13.445	65	372806	21.541	ng/ul	99
47) Dimethylphthalate	13.839	163	1582173	18.957	ng/ul	100
48) 2,6-Dinitrotoluene	13.945	165	336136	23.436	ng/ul	98
50) Acenaphthylene	14.092	152	2154589	19.496	ng/ul	99
51) 3-Nitroaniline	14.275	138	382367	23.115	ng/ul	97
52) Acenaphthene	14.433	153	1366233	18.936	ng/ul	98
53) 2,4-Dinitrophenol	14.475	184	111661	17.331	ng/ul	99
55) 4-Nitrophenol	14.575	109	236900	19.732	ng/ul	99
56) Dibenzofuran	14.769	168	1950479	20.016	ng/ul	99
57) 2,4-Dinitrotoluene	14.733	165	450234	21.606	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.992	232	352535	19.882	ng/ul	98
59) Diethylphthalate	15.210	149	1617214	19.089	ng/ul	100
61) Fluorene	15.422	166	1542721	19.677	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.422	204	734258	19.509	ng/ul	95
63) 4-Nitroaniline	15.433	138	395441	24.813	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.492	198	196471	17.568	ng/ul	96
67) N-Nitrosodiphenylamine	15.633	169	1365239	20.164	ng/ul	96
68) 4-Bromophenyl-phenylether	16.316	248	447673	20.065	ng/ul	98
69) Hexachlorobenzene	16.416	284	523107	19.578	ng/ul	97
70) Atrazine	16.586	200	80371	3.691	ng/ul	99
71) Pentachlorophenol	16.757	266	276090	16.768	ng/ul	96
72) Phenanthrene	17.157	178	2446171	19.830	ng/ul	99
74) Anthracene	17.251	178	2483025	19.829	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.157	216	600480	19.718	ng/ul	99
76) Pentachlorobenzene	14.680	250	584772	19.509	ng/ul	99
77) Carbazole	17.521	167	2323603	20.907	ng/ul	99
78) Di-n-butylphthalate	18.104	149	2817461	20.159	ng/ul	100
80) Fluoranthene	19.180	202	2722804	19.646	ng/ul	99
82) Pyrene	19.545	202	2888423	20.170	ng/ul	99
83) Butylbenzylphthalate	20.468	149	1162288	21.090	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.274	252	1013901	23.977	ng/ul	99
85) Benzo(a)anthracene	21.345	228	2722260	19.480	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.298	149	1779318	21.072	ng/ul	99
87) Chrysene	21.404	228	2501145	19.368	ng/ul	98
89) Di-n-octyl phthalate	22.445	149	2871353	19.384	ng/ul	100
90) Benzo(b)fluoranthene	23.398	252	2626493	19.606	ng/ul	99
91) Benzo(k)fluoranthene	23.462	252	2539763	18.769	ng/ul	98
93) Benzo(a)pyrene	24.192	252	2375901	18.953	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.680	276	2681616m	19.868	ng/ul	
95) Dibenzo(a,h)anthracene	27.750	278	2251655	19.966	ng/ul	98
96) Benzo(g,h,i)perylene	28.715	276	2129576	19.994	ng/ul	98

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

