

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052924\
 Data File : BN031689.D
 Acq On : 29 May 2024 13:57
 Operator : MA/JU
 Sample : SSTD08072
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD080207

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

Quant Time: May 29 14:34:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 13:30:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	594516	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2635478	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1683825	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	3556577	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	2901329	20.000	ng/u1	0.01
88) Perylene-d12	24.251	264	3430062	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	441442	29.427	ng/uL	0.00
4) Pyridine-d5	3.593	84	3221142	76.622	ng/u1	0.00
7) Phenol-d5	6.864	99	4115801	82.319	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.034	67	2333011	78.046	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	3151669	81.975	ng/u1	0.00
15) 4-Methylphenol-d8	8.399	113	3343565	84.743	ng/u1	0.01
21) Nitrobenzene-d5	8.852	128	1663872	82.003	ng/u1	0.01
24) 2-Nitrophenol-d4	9.563	143	1827318	92.433	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.099	165	3085615	80.578	ng/u1	0.01
31) 4-Chloroaniline-d4	10.616	131	4530043	81.189	ng/u1	0.00
46) Dimethylphthalate-d6	13.752	166	8793224	79.665	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	10102194	74.950	ng/u1	0.00
54) 4-Nitrophenol-d4	14.551	143	1887612	88.033	ng/u1	0.02
60) Fluorene-d10	15.328	176	7167772	75.496	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.457	200	1581601	96.187	ng/u1	0.02
73) Anthracene-d10	17.181	188	10672006	69.807	ng/u1	0.01
81) Pyrene-d10	19.475	212	12100489	66.355	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.063	264	12911351	78.993	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.229	88	474223	30.056	ng/uL	98
5) Pyridine	3.617	79	3172656	76.494	ng/u1	97
6) Benzaldehyde	6.840	77	1594779	62.538	ng/u1	98
8) Phenol	6.887	94	4148680	81.028	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.128	93	3367796	79.025	ng/u1	97
12) 2-Chlorophenol	7.258	128	3213761	79.731	ng/u1	99
13) 2-Methylphenol	8.128	108	3232253	83.046	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.216	45	3848208	78.009	ng/u1	98
16) Acetophenone	8.516	105	4834274	78.822	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.516	70	2348540	74.072	ng/u1	98
18) 4-Methylphenol	8.469	108	3428325	82.417	ng/u1	97
19) Hexachloroethane	8.758	117	1344057	78.223	ng/u1	97
22) Nitrobenzene	8.893	77	3744966	75.984	ng/u1	95
23) Isophorone	9.422	82	7522414	78.187	ng/u1	99
25) 2-Nitrophenol	9.593	139	1900513	86.940	ng/u1	98
26) 2,4-Dimethylphenol	9.658	107	3481263	78.603	ng/u1	96
27) Bis(2-Chloroethoxy)met...	9.899	93	4654218	76.537	ng/u1	99
29) 2,4-Dichlorophenol	10.122	162	3010985	79.725	ng/u1	100
30) Naphthalene	10.522	128	10142147	73.829	ng/u1	99
32) 4-Chloroaniline	10.640	127	4403243	81.060	ng/u1	99
33) Hexachlorobutadiene	10.805	225	1791088	78.504	ng/u1	94
34) Caprolactam	11.452	113	1235562m	94.115	ng/u1	
35) 4-Chloro-3-methylphenol	11.775	107	3539991	83.992	ng/u1	99
36) 2-Methylnaphthalene	12.140	142	6878662	75.250	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.363	142	6817522	74.924	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.510	216	3411030	72.126	ng/ul	99
40) Hexachlorocyclopentadiene	12.487	237	2132144	75.949	ng/ul	97
41) 2,4,6-Trichlorophenol	12.757	196	2444151	81.621	ng/ul	99
42) 2,4,5-Trichlorophenol	12.828	196	2686564	82.558	ng/ul	96
43) 1,1'-Biphenyl	13.163	154	8666792	71.379	ng/ul	96
44) 2-Chloronaphthalene	13.204	162	6942198	72.322	ng/ul	99
45) 2-Nitroaniline	13.416	65	2215961	85.459	ng/ul	91
47) Dimethylphthalate	13.804	163	8766305	77.734	ng/ul	99
48) 2,6-Dinitrotoluene	13.922	165	2032377	93.234	ng/ul	98
50) Acenaphthylene	14.057	152	10881200	70.144	ng/ul	98
51) 3-Nitroaniline	14.251	138	2008642	81.700	ng/ul	95
52) Acenaphthene	14.399	153	7331656	72.538	ng/ul	99
53) 2,4-Dinitrophenol	14.451	184	1108744	107.600	ng/ul	96
55) 4-Nitrophenol	14.563	109	1386395	86.352	ng/ul	96
56) Dibenzofuran	14.734	168	9842976	72.777	ng/ul	94
57) 2,4-Dinitrotoluene	14.710	165	2912902	97.171	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.957	232	2216370	90.239	ng/ul	99
59) Diethylphthalate	15.169	149	9208845	84.469	ng/ul	98
61) Fluorene	15.387	166	7019888	65.765	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.381	204	3429183	66.126	ng/ul	97
63) 4-Nitroaniline	15.422	138	1831718	81.588	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.469	198	1630161	91.305	ng/ul	97
67) N-Nitrosodiphenylamine	15.598	169	7013639	67.188	ng/ul	100
68) 4-Bromophenyl-phenylether	16.275	248	2685132	75.239	ng/ul	96
69) Hexachlorobenzene	16.381	284	2986542	76.173	ng/ul	95
70) Atrazine	16.557	200	2318286	78.581	ng/ul	96
71) Pentachlorophenol	16.722	266	2059099	88.214	ng/ul	91
72) Phenanthrene	17.122	178	12426597	68.321	ng/ul	98
74) Anthracene	17.216	178	12333124	67.236	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.122	216	3549441	65.939	ng/ul	99
76) Pentachlorobenzene	14.646	250	3316200	66.074	ng/ul	95
77) Carbazole	17.481	167	11915793	75.378	ng/ul	99
78) Di-n-butylphthalate	18.045	149	13907988	73.327	ng/ul#	95
80) Fluoranthene	19.134	202	13828980	61.210	ng/ul	98
82) Pyrene	19.504	202	13457364	58.522	ng/ul	96
83) Butylbenzylphthalate	20.410	149	7285280	87.266	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.228	252	4145374	71.756	ng/ul	97
85) Benzo(a)anthracene	21.298	228	14508936	73.536	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.228	149	9036236	78.427	ng/ul	97
87) Chrysene	21.357	228	13181899	71.598	ng/ul	96
89) Di-n-octyl phthalate	22.339	149	17628173m	83.534	ng/ul	
90) Benzo(b)fluoranthene	23.327	252	16011192	78.267	ng/ul	98
91) Benzo(k)fluoranthene	23.398	252	14658197	71.309	ng/ul	99
93) Benzo(a)pyrene	24.133	252	14341637	74.077	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	27.574	276	16516057	71.828	ng/ul	98
95) Dibenzo(a,h)anthracene	27.645	278	13593803	71.916	ng/ul	98
96) Benzo(g,h,i)perylene	28.621	276	12913317	68.583	ng/ul	98

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

