

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043024\
 Data File : BN031342.D
 Acq On : 01 May 2024 06:27
 Operator : MA/JU
 Sample : P2203-22MSD
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E1CX4MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/02/2024

Quant Time: May 01 08:36:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN042924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 01 05:16:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	236700	20.000	ng/u1	0.00
20) Naphthalene-d8	10.393	136	1054868	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.263	164	675551	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.016	188	1370851	20.000	ng/u1	0.00
79) Chrysene-d12	21.251	240	853783	20.000	ng/u1	0.00
88) Perylene-d12	24.139	264	908742	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.128	96	38790	7.630	ng/uL	0.00
4) Pyridine-d5	3.534	84	452115	31.054	ng/u1	0.00
7) Phenol-d5	6.793	99	613569	32.213	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.958	67	399695	35.840	ng/u1	0.00
11) 2-Chlorophenol-d4	7.146	132	410003	26.907	ng/u1	0.00
15) 4-Methylphenol-d8	8.328	113	530901	33.635	ng/u1	0.00
21) Nitrobenzene-d5	8.775	128	302787	39.829	ng/u1	0.00
24) 2-Nitrophenol-d4	9.487	143	127495	15.582	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.022	165	300854	19.801	ng/u1	0.00
31) 4-Chloroaniline-d4	10.540	131	775148	35.204	ng/u1	0.00
46) Dimethylphthalate-d6	13.681	166	1722284	38.671	ng/u1	0.00
49) Acenaphthylene-d8	13.957	160	2064551	39.952	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.263	176	1508284	39.658	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.116	188	2140336	37.832	ng/u1	0.00
81) Pyrene-d10	19.416	212	2196545	42.243	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.945	264	1684418	40.037	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.164	88	71768	12.970	ng/uL	90
5) Pyridine	3.552	79	590283	40.360	ng/u1	98
6) Benzaldehyde	6.769	77	459427	48.042	ng/u1	96
8) Phenol	6.822	94	865816	44.725	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.052	93	643870	41.086	ng/u1	98
12) 2-Chlorophenol	7.181	128	706681	44.605	ng/u1	97
13) 2-Methylphenol	8.058	108	629117	41.844	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.134	45	840683	40.654	ng/u1	100
16) Acetophenone	8.440	105	1018920	43.416	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.428	70	508837	41.296	ng/u1	98
18) 4-Methylphenol	8.393	108	716258	43.526	ng/u1	95
19) Hexachloroethane	8.675	117	280592	43.771	ng/u1	98
22) Nitrobenzene	8.816	77	781858	43.829	ng/u1	99
23) Isophorone	9.334	82	1494902	42.944	ng/u1	100
25) 2-Nitrophenol	9.516	139	418922	46.932	ng/u1	99
26) 2,4-Dimethylphenol	9.581	107	491077	29.268	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.822	93	914112	41.749	ng/u1	100
29) 2,4-Dichlorophenol	10.046	162	702611	46.840	ng/u1	100
30) Naphthalene	10.440	128	2542300	49.044	ng/u1	99
32) 4-Chloroaniline	10.563	127	827728	39.262	ng/u1	99
33) Hexachlorobutadiene	10.716	225	412678	46.541	ng/u1	100
34) Caprolactam	11.363	113	255604	47.703	ng/u1	93
35) 4-Chloro-3-methylphenol	11.699	107	788689	45.776	ng/u1	97
36) 2-Methylnaphthalene	12.063	142	1701530	47.342	ng/u1	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.287	142	1658271	45.612	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.434	216	815103	46.749	ng/ul	98
40) Hexachlorocyclopentadiene	12.404	237	251660	25.785	ng/ul	98
41) 2,4,6-Trichlorophenol	12.687	196	563867	47.040	ng/ul	98
42) 2,4,5-Trichlorophenol	12.757	196	621527	47.543	ng/ul	95
43) 1,1'-Biphenyl	13.093	154	2094690	45.652	ng/ul	97
44) 2-Chloronaphthalene	13.128	162	1609988	44.429	ng/ul	98
45) 2-Nitroaniline	13.351	65	497762	48.494	ng/ul	100
47) Dimethylphthalate	13.734	163	1998753	43.800	ng/ul	99
48) 2,6-Dinitrotoluene	13.857	165	433321	48.665	ng/ul	96
50) Acenaphthylene	13.987	152	2614976	44.468	ng/ul	100
51) 3-Nitroaniline	14.187	138	470316	49.045	ng/ul	99
52) Acenaphthene	14.328	153	1832949	46.987	ng/ul	99
53) 2,4-Dinitrophenol	14.393	184	104567	20.550	ng/ul	86
55) 4-Nitrophenol	14.498	109	307482	47.515	ng/ul	99
56) Dibenzofuran	14.663	168	2530045	47.761	ng/ul	98
57) 2,4-Dinitrotoluene	14.646	165	625174	47.873	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.893	232	500751	45.827	ng/ul	94
59) Diethylphthalate	15.098	149	2055213	44.686	ng/ul	99
61) Fluorene	15.316	166	2000427	47.366	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.316	204	852464	41.843	ng/ul	98
63) 4-Nitroaniline	15.357	138	460964	52.497	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.404	198	231684	30.660	ng/ul	98
67) N-Nitrosodiphenylamine	15.534	169	1692328	46.463	ng/ul	99
68) 4-Bromophenyl-phenylether	16.210	248	583585	45.505	ng/ul	96
69) Hexachlorobenzene	16.316	284	664192	44.911	ng/ul	97
70) Atrazine	16.492	200	552420	46.692	ng/ul	96
71) Pentachlorophenol	16.663	266	379468	42.379	ng/ul	97
72) Phenanthrene	17.057	178	3927662	57.895	ng/ul	99
74) Anthracene	17.151	178	3157268	46.537	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.051	216	817826	47.099	ng/ul	98
76) Pentachlorobenzene	14.581	250	782786	45.968	ng/ul	96
77) Carbazole	17.428	167	2769536	46.738	ng/ul	97
78) Di-n-butylphthalate	17.992	149	3492882	45.486	ng/ul	100
80) Fluoranthene	19.081	202	3881047	62.262	ng/ul	99
82) Pyrene	19.451	202	3655903	57.493	ng/ul	98
83) Butylbenzylphthalate	20.357	149	1379257	51.917	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.169	252	672693	44.035	ng/ul	98
85) Benzo(a)anthracene	21.233	228	2738633	49.151	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.163	149	1775402	50.793	ng/ul	98
87) Chrysene	21.292	228	2554597	48.933	ng/ul	98
89) Di-n-octyl phthalate	22.257	149	2899620	43.065	ng/ul	100
90) Benzo(b)fluoranthene	23.227	252	2574545	46.750	ng/ul	97
91) Benzo(k)fluoranthene	23.292	252	2375331	43.858	ng/ul	98
93) Benzo(a)pyrene	24.010	252	2126604	43.174	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.386	276	2853849	51.135	ng/ul	99
95) Dibenzo(a,h)anthracene	27.445	278	2276027	49.093	ng/ul	98
96) Benzo(g,h,i)perylene	28.409	276	2267955m	50.379	ng/ul	

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

