

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111423\
 Data File : BN028621.D
 Acq On : 15 Nov 2023 02:43
 Operator : MA/JU
 Sample : 05337-20MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GCDK5MS

Quant Time: Nov 15 10:02:33 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	7.698	152	218687	20.000	ng/u1	0.00
20) Naphthalene-d8	10.486	136	1177417	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.345	164	740751	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.092	188	1457978	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1134877	20.000	ng/u1	0.00
88) Perylene-d12	23.598	264	1144854	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	36567	5.987	ng/uL	0.00
4) Pyridine-d5	3.569	84	119144	8.898	ng/u1	0.00
7) Phenol-d5	6.887	99	135868	6.504	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	419262	32.446	ng/u1	0.00
11) 2-Chlorophenol-d4	7.228	132	490694	26.876	ng/u1	0.00
15) 4-Methylphenol-d8	8.422	113	292440	16.999	ng/u1	0.00
21) Nitrobenzene-d5	8.863	128	301182	28.490	ng/u1	0.00
24) 2-Nitrophenol-d4	9.581	143	296605	26.803	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.116	165	543546	28.888	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.639	131	711360	24.947	ng/u1	0.00
46) Dimethylphthalate-d6	13.763	166	2185456	32.721	ng/u1	0.00
49) Acenaphthylene-d8	14.033	160	2344266	30.453	ng/u1	0.00
54) 4-Nitrophenol-d4	14.592	143	31860	4.501	ng/u1	0.00
60) Fluorene-d10	15.339	176	1777360	32.277	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.469	200	320295	39.548	ng/u1	0.00
73) Anthracene-d10	17.192	188	2728803	33.529	ng/u1	0.00
81) Pyrene-d10	19.498	212	2970053	34.506	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.456	264	2443665	34.095	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.181	88	37313	5.720	ng/uL	93
5) Pyridine	3.581	79	156244	11.286	ng/u1	92
6) Benzaldehyde	6.845	77	230748	23.424	ng/u1	98
8) Phenol	6.916	94	171096	8.232	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.134	93	562715	31.899	ng/u1	97
12) 2-Chlorophenol	7.263	128	494194	27.205	ng/u1	98
13) 2-Methylphenol	8.151	108	334468	20.083	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.222	45	1033142	37.936	ng/u1	98
16) Acetophenone	8.522	105	938809	33.191	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.510	70	519810	35.236	ng/u1	99
18) 4-Methylphenol	8.487	108	306836	17.157	ng/u1	97
19) Hexachloroethane	8.763	117	266714	31.965	ng/u1	97
22) Nitrobenzene	8.898	77	656395	29.012	ng/u1	97
23) Isophorone	9.422	82	1568282	31.086	ng/u1	99
25) 2-Nitrophenol	9.604	139	334505	28.740	ng/u1	99
26) 2,4-Dimethylphenol	9.681	107	438760	19.238	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.916	93	836991	28.727	ng/u1	98
29) 2,4-Dichlorophenol	10.139	162	530147	28.476	ng/u1	100
30) Naphthalene	10.534	128	2208288	29.291	ng/u1	99
32) 4-Chloroaniline	10.657	127	635488	23.771	ng/u1	98
33) Hexachlorobutadiene	10.822	225	405851	29.091	ng/u1	97
34) Caprolactam	11.457	113	33581	5.330	ng/u1#	78
35) 4-Chloro-3-methylphenol	11.792	107	582048	28.664	ng/u1	99
36) 2-Methylnaphthalene	12.157	142	1524530	30.541	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.375	142	1524536	29.562	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.528	216	781927	31.070	ng/ul	96
40) Hexachlorocyclopentadiene	12.504	237	358180	28.263	ng/ul	100
41) 2,4,6-Trichlorophenol	12.775	196	489626	33.190	ng/ul	96
42) 2,4,5-Trichlorophenol	12.845	196	569795	32.331	ng/ul	94
43) 1,1'-Biphenyl	13.180	154	2003178	30.680	ng/ul	100
44) 2-Chloronaphthalene	13.216	162	1608920	30.887	ng/ul	97
45) 2-Nitroaniline	13.433	65	424001	31.867	ng/ul	99
47) Dimethylphthalate	13.816	163	2192876	33.117	ng/ul	99
48) 2,6-Dinitrotoluene	13.933	165	446040	34.114	ng/ul	98
50) Acenaphthylene	14.063	152	2732329	31.508	ng/ul	99
51) 3-Nitroaniline	14.269	138	293508	22.899	ng/ul	96
52) Acenaphthene	14.404	153	1805600	31.639	ng/ul	98
53) 2,4-Dinitrophenol	14.474	184	129199	40.328	ng/ul#	77
55) 4-Nitrophenol	14.604	109	20703	4.472	ng/ul	89
56) Dibenzofuran	14.745	168	2450680	32.185	ng/ul	99
57) 2,4-Dinitrotoluene	14.722	165	637550	35.472	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.974	232	490710	34.590	ng/ul	99
59) Diethylphthalate	15.180	149	2346773	34.660	ng/ul	98
61) Fluorene	15.392	166	2086480	32.875	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.392	204	991426	32.279	ng/ul	97
63) 4-Nitroaniline	15.439	138	301439m	24.562	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.480	198	343867	40.636	ng/ul#	95
67) N-Nitrosodiphenylamine	15.610	169	1743326	34.682	ng/ul	99
68) 4-Bromophenyl-phenylether	16.292	248	609116	34.969	ng/ul	95
69) Hexachlorobenzene	16.392	284	736299	35.994	ng/ul	97
70) Atrazine	16.574	200	602226	39.118	ng/ul	99
71) Pentachlorophenol	16.745	266	393480	38.350	ng/ul	97
72) Phenanthrene	17.133	178	3290031	36.006	ng/ul	100
74) Anthracene	17.227	178	3266518	34.228	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.133	216	809508	32.447	ng/ul	96
76) Pentachlorobenzene	14.663	250	848589	34.710	ng/ul	96
77) Carbazole	17.504	167	2817615	36.041	ng/ul	98
78) Di-n-butylphthalate	18.080	149	3828041	36.652	ng/ul	99
80) Fluoranthene	19.157	202	3581022	35.560	ng/ul	99
82) Pyrene	19.527	202	3639233	35.038	ng/ul	99
83) Butylbenzylphthalate	20.445	149	1552005	35.784	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.227	252	790368	30.579	ng/ul	95
85) Benzo(a)anthracene	21.286	228	3155650	35.274	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.233	149	2151715	35.289	ng/ul	98
87) Chrysene	21.339	228	3050934	32.970	ng/ul	99
89) Di-n-octyl phthalate	22.133	149	3654992	36.997	ng/ul	100
90) Benzo(b)fluoranthene	22.903	252	2933139	35.427	ng/ul	98
91) Benzo(k)fluoranthene	22.956	252	3180883	34.247	ng/ul	99
93) Benzo(a)pyrene	23.498	252	2786831	33.826	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	25.956	276	3333226	34.619	ng/ul	98
95) Dibenzo(a,h)anthracene	25.980	278	2815819	35.475	ng/ul	98
96) Benzo(g,h,i)perylene	26.691	276	2772561	36.493	ng/ul	98

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

