

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042724\
 Data File : BN031298.D
 Acq On : 28 Apr 2024 09:53
 Operator : MA/JU
 Sample : P2204-05MS 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E1CX4MS

Quant Time: Apr 28 22:19:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 22:57:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/29/2024
 Supervised By :mohammad ahmed 04/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	216861	20.000	ng/ul	0.00
20) Naphthalene-d8	10.399	136	1073720	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.269	164	752288	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.016	188	1594379	20.000	ng/ul	0.00
79) Chrysene-d12	21.257	240	1431871	20.000	ng/ul	0.00
88) Perylene-d12	24.145	264	1576071	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	17809	3.837	ng/uL	0.00
4) Pyridine-d5	3.546	84	145298	10.869	ng/ul	0.00
7) Phenol-d5	6.793	99	136571	7.465	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	6.963	67	345984	32.507	ng/ul	0.00
11) 2-Chlorophenol-d4	7.152	132	370349	26.001	ng/ul	0.00
15) 4-Methylphenol-d8	8.328	113	261843	17.020	ng/ul	0.00
21) Nitrobenzene-d5	8.775	128	253851	32.905	ng/ul	0.00
24) 2-Nitrophenol-d4	9.487	143	264900	33.034	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.022	165	450866	28.510	ng/ul	0.00
31) 4-Chloroaniline-d4	10.540	131	656392	26.561	ng/ul	0.00
46) Dimethylphthalate-d6	13.687	166	1783270	34.064	ng/ul	0.00
49) Acenaphthylene-d8	13.957	160	1931390	32.558	ng/ul	0.00
54) 4-Nitrophenol-d4	14.487	143	85740	7.847	ng/ul	0.00
60) Fluorene-d10	15.263	176	1475934	32.387	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.398	200	304911	37.906	ng/ul	0.00
73) Anthracene-d10	17.116	188	2369762	34.292	ng/ul	0.00
81) Pyrene-d10	19.422	212	2885391	41.008	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.957	264	2806147	37.546	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.170	88	21141	4.298	ng/uL#	35
5) Pyridine	3.564	79	155599	11.535	ng/ul	96
6) Benzaldehyde	6.769	77	328725m	36.596	ng/ul	
8) Phenol	6.822	94	149625	7.933	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.052	93	465217	31.262	ng/ul	99
12) 2-Chlorophenol	7.181	128	372737	25.175	ng/ul	99
13) 2-Methylphenol	8.063	108	285162	19.510	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.140	45	615720	31.735	ng/ul	99
16) Acetophenone	8.440	105	771293	32.357	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.428	70	384419	32.355	ng/ul	99
18) 4-Methylphenol	8.393	108	281478	17.193	ng/ul	99
19) Hexachloroethane	8.681	117	165274	26.902	ng/ul	99
22) Nitrobenzene	8.816	77	552725	30.357	ng/ul	98
23) Isophorone	9.340	82	1136454	30.585	ng/ul	99
25) 2-Nitrophenol	9.522	139	285289	32.155	ng/ul	96
26) 2,4-Dimethylphenol	9.587	107	396069	21.889	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.822	93	690787	30.607	ng/ul	99
29) 2,4-Dichlorophenol	10.052	162	453684	28.723	ng/ul	99
30) Naphthalene	10.446	128	1597649	28.711	ng/ul	100
32) 4-Chloroaniline	10.569	127	602528	25.093	ng/ul	100
33) Hexachlorobutadiene	10.722	225	258225	26.817	ng/ul	97
34) Caprolactam	11.357	113	31013	4.983	ng/ul	93
35) 4-Chloro-3-methylphenol	11.693	107	508614	27.773	ng/ul	93
36) 2-Methylnaphthalene	12.063	142	1194813	30.448	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.287	142	1187399	29.904	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.440	216	589092	29.926	ng/ul	97
40) Hexachlorocyclopentadiene	12.410	237	234727	21.707	ng/ul	98
41) 2,4,6-Trichlorophenol	12.687	196	421931	32.202	ng/ul	97
42) 2,4,5-Trichlorophenol	12.757	196	471736	32.473	ng/ul	97
43) 1,1'-Biphenyl	13.093	154	1615414	31.222	ng/ul	100
44) 2-Chloronaphthalene	13.134	162	1227344	29.686	ng/ul	98
45) 2-Nitroaniline	13.351	65	420209	36.817	ng/ul	97
47) Dimethylphthalate	13.734	163	1789525	33.135	ng/ul	100
48) 2,6-Dinitrotoluene	13.857	165	373586	36.851	ng/ul	99
50) Acenaphthylene	13.987	152	2101699	30.330	ng/ul	100
51) 3-Nitroaniline	14.187	138	391692	33.655	ng/ul	97
52) Acenaphthene	14.334	153	1388448	30.225	ng/ul	97
53) 2,4-Dinitrophenol	14.392	184	204943	35.747	ng/ul	98
55) 4-Nitrophenol	14.498	109	70986	8.005	ng/ul	93
56) Dibenzofuran	14.669	168	1960086	30.861	ng/ul	99
57) 2,4-Dinitrotoluene	14.645	165	558545	36.260	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.898	232	426805	33.995	ng/ul	95
59) Diethylphthalate	15.104	149	1823614	32.834	ng/ul	99
61) Fluorene	15.322	166	1561676	29.879	ng/ul	92
62) 4-Chlorophenyl-phenyle...	15.316	204	725899	29.158	ng/ul	98
63) 4-Nitroaniline	15.357	138	433271m	34.529	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.410	198	320842	37.146	ng/ul#	97
67) N-Nitrosodiphenylamine	15.539	169	1460253	34.170	ng/ul	98
68) 4-Bromophenyl-phenylether	16.216	248	521031	34.555	ng/ul	94
69) Hexachlorobenzene	16.316	284	595290	34.246	ng/ul	98
70) Atrazine	16.498	200	516682	34.438	ng/ul	99
71) Pentachlorophenol	16.669	266	392505	34.754	ng/ul	98
72) Phenanthrene	17.063	178	2741574	32.510	ng/ul	98
74) Anthracene	17.151	178	2693981	31.567	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.051	216	607619	32.491	ng/ul	96
76) Pentachlorobenzene	14.581	250	648221	33.566	ng/ul	97
77) Carbazole	17.428	167	2665118	34.188	ng/ul	99
78) Di-n-butylphthalate	17.992	149	3404621	35.831	ng/ul	99
80) Fluoranthene	19.086	202	3341492	40.126	ng/ul	100
82) Pyrene	19.451	202	3378249	38.610	ng/ul	99
83) Butylbenzylphthalate	20.363	149	1607987	41.650	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.174	252	971866	32.574	ng/ul	98
85) Benzo(a)anthracene	21.239	228	3344076	34.393	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.169	149	2170038	37.435	ng/ul	98
87) Chrysene	21.298	228	3213855	34.821	ng/ul	97
89) Di-n-octyl phthalate	22.263	149	4080227	44.913	ng/ul	100
90) Benzo(b)fluoranthene	23.239	252	3335003	37.608	ng/ul	99
91) Benzo(k)fluoranthene	23.298	252	3301261	37.014	ng/ul	99
93) Benzo(a)pyrene	24.021	252	2777033	31.391	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.398	276	3498048	31.865	ng/ul	99
95) Dibenzo(a,h)anthracene	27.451	278	2823305	31.334	ng/ul	99
96) Benzo(g,h,i)perylene	28.415	276	2684549m	30.367	ng/ul	

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

