

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070824\
 Data File : BP020878.D
 Acq On : 10 Jul 2024 01:41
 Operator : MA/JU
 Sample : P3109-08MSD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 H0HC4MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/10/2024
 Supervised By :mohammad ahmed 07/10/2024

Quant Time: Jul 10 02:28:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 15:01:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	224253	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.499	136	903503	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.357	164	609523	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.175	188	1267058	20.000	ng/u1	0.01
79) Chrysene-d12	21.622	240	1204359	20.000	ng/u1	0.00
88) Perylene-d12	24.974	264	1393870	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	15785	3.023	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.922	99	177391	9.645	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.069	67	335935	28.810	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.269	132	438771	29.189	ng/u1	0.00
15) 4-Methylphenol-d8	8.434	113	314742	21.070	ng/u1	0.00
21) Nitrobenzene-d5	8.881	128	234828	35.204	ng/u1	0.00
24) 2-Nitrophenol-d4	9.587	143	275694	41.300	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.134	165	492226	35.797	ng/u1	0.00
31) 4-Chloroaniline-d4	10.640	131	117226	6.083	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	1573702	37.134	ng/u1	0.01
49) Acenaphthylene-d8	14.051	160	1676282	33.148	ng/u1	0.01
54) 4-Nitrophenol-d4	14.610	143	85906	13.267	ng/u1	0.03
60) Fluorene-d10	15.369	176	1327013	37.211	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.516	200	240784	37.709	ng/u1	0.02
73) Anthracene-d10	17.275	188	2151165	37.829	ng/u1	0.01
81) Pyrene-d10	19.657	212	2560665	35.391	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.757	264	2663944	39.289	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	21099	3.610	ng/uL	96
6) Benzaldehyde	6.893	77	210911	22.675	ng/u1	98
8) Phenol	6.952	94	189338	10.094	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.164	93	449941	28.975	ng/u1	98
12) 2-Chlorophenol	7.299	128	443110	29.323	ng/u1	99
13) 2-Methylphenol	8.181	108	340640	23.671	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.252	45	629197	26.662	ng/u1	99
16) Acetophenone	8.546	105	731188	30.650	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.522	70	365843	28.851	ng/u1	98
18) 4-Methylphenol	8.505	108	335246	22.008	ng/u1	98
19) Hexachloroethane	8.781	117	191195	29.146	ng/u1	94
22) Nitrobenzene	8.922	77	531369	30.728	ng/u1	96
23) Isophorone	9.446	82	1055957	30.819	ng/u1	98
25) 2-Nitrophenol	9.622	139	285574	39.614	ng/u1	93
26) 2,4-Dimethylphenol	9.693	107	418869	24.948	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.910	93	616898	30.266	ng/u1	98
29) 2,4-Dichlorophenol	10.158	162	497734	36.571	ng/u1	98
30) Naphthalene	10.546	128	1483971	30.686	ng/u1	100
32) 4-Chloroaniline	10.669	127	233950	12.610	ng/u1	99
33) Hexachlorobutadiene	10.816	225	326534	32.092	ng/u1	98
34) Caprolactam	11.540	113	17368	4.193	ng/u1	93
35) 4-Chloro-3-methylphenol	11.799	107	556073	37.005	ng/u1	99
36) 2-Methylnaphthalene	12.157	142	1062416	32.796	ng/u1	100
37) 1-Methylnaphthalene	12.375	142	1096307	33.105	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.528	216	636785	32.677	ng/ul	99
40) Hexachlorocyclopentadiene	12.493	237	134710	11.106	ng/ul	99
41) 2,4,6-Trichlorophenol	12.781	196	442466	38.061	ng/ul	99
42) 2,4,5-Trichlorophenol	12.863	196	488485	40.514	ng/ul	98
43) 1,1'-Biphenyl	13.175	154	1438397	31.555	ng/ul	99
44) 2-Chloronaphthalene	13.222	162	1139234	31.731	ng/ul	99
45) 2-Nitroaniline	13.451	65	384555	42.525	ng/ul	89
47) Dimethylphthalate	13.816	163	1547812	35.854	ng/ul	98
48) 2,6-Dinitrotoluene	13.946	165	343289	44.596	ng/ul	90
50) Acenaphthylene	14.081	152	1828225	32.006	ng/ul	100
51) 3-Nitroaniline	14.281	138	289354	40.444	ng/ul	95
52) Acenaphthene	14.428	153	1236342	32.628	ng/ul	99
53) 2,4-Dinitrophenol	14.504	184	145536	36.448	ng/ul	98
55) 4-Nitrophenol	14.622	109	72634	12.535	ng/ul	96
56) Dibenzofuran	14.763	168	1790572	35.068	ng/ul	100
57) 2,4-Dinitrotoluene	14.757	165	498923	46.954	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.004	232	433431	43.524	ng/ul	92
59) Diethylphthalate	15.204	149	1591437	37.373	ng/ul	98
61) Fluorene	15.428	166	1489547	36.308	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.428	204	775923	36.244	ng/ul	96
63) 4-Nitroaniline	15.469	138	347727m	51.211	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.534	198	254784	37.249	ng/ul	95
67) N-Nitrosodiphenylamine	15.651	169	1318445	35.284	ng/ul	99
68) 4-Bromophenyl-phenylether	16.345	248	519571	36.763	ng/ul	93
69) Hexachlorobenzene	16.451	284	615169	38.883	ng/ul	91
70) Atrazine	16.645	200	347910	26.411	ng/ul	98
71) Pentachlorophenol	16.816	266	379679	41.685	ng/ul	98
72) Phenanthrene	17.216	178	2457235	37.034	ng/ul	100
74) Anthracene	17.310	178	2468847	36.174	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.140	216	668206	32.488	ng/uL	97
76) Pentachlorobenzene	14.681	250	619909	31.624	ng/uL	99
77) Carbazole	17.610	167	2271945	40.336	ng/ul	99
78) Di-n-butylphthalate	18.181	149	2859481	39.087	ng/ul	99
80) Fluoranthene	19.316	202	3022825	34.203	ng/ul	99
82) Pyrene	19.686	202	3093022	34.124	ng/ul	99
83) Butylbenzylphthalate	20.633	149	1360255	40.416	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.522	252	616804	23.164	ng/ul	98
85) Benzo(a)anthracene	21.604	228	3124250	37.010	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.522	149	1870911	35.802	ng/ul#	99
87) Chrysene	21.675	228	2931485	36.739	ng/ul	99
89) Di-n-octyl phthalate	22.798	149	3340112	37.327	ng/ul	100
90) Benzo(b)fluoranthene	23.922	252	3200821	37.905	ng/ul	99
91) Benzo(k)fluoranthene	23.986	252	3141015	36.772	ng/ul	99
93) Benzo(a)pyrene	24.827	252	2703202	33.912	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.804	276	3887139	38.018	ng/ul	97
95) Dibenzo(a,h)anthracene	28.868	278	3135077	37.308	ng/ul	99
96) Benzo(g,h,i)perylene	30.004	276	3003292m	35.977	ng/ul	

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

