

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
 Data File : BP023376.D
 Acq On : 11 Dec 2024 13:16
 Operator : RC/JU
 Sample : P5152-03MSD
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

BHK72MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/12/2024

Supervised By :mohammad ahmed 12/13/2024

Quant Time: Dec 12 01:17:57 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Dec 11 00:30:30 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	94424	20.000	ng/u1	0.00
20) Naphthalene-d8	10.281	136	369804	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	288306	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	718470	20.000	ng/u1	0.00
79) Chrysene-d12	21.392	240	740736	20.000	ng/u1	0.00
88) Perylene-d12	24.580	264	778614	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.105	96	11212	4.372	ng/uL	0.00
4) Pyridine-d5	3.522	84	64042	9.711	ng/u1	0.00
7) Phenol-d5	6.752	99	54875	7.407	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.887	67	149500	31.984	ng/u1	0.00
11) 2-Chlorophenol-d4	7.087	132	140441	25.684	ng/u1	0.00
15) 4-Methylphenol-d8	8.252	113	105324	17.614	ng/u1	0.00
21) Nitrobenzene-d5	8.681	128	83052	30.075	ng/u1	0.00
24) 2-Nitrophenol-d4	9.387	143	97626	30.675	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.928	165	197739	29.438	ng/u1	0.00
31) 4-Chloroaniline-d4	10.434	131	197961	26.307	ng/u1	0.00
46) Dimethylphthalate-d6	13.557	166	756830	33.815	ng/u1	0.00
49) Acenaphthylene-d8	13.840	160	731644	30.992	ng/u1	0.00
54) 4-Nitrophenol-d4	14.434	143	21101	7.694	ng/u1	0.02
60) Fluorene-d10	15.163	176	619162	31.452	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.310	200	153401	35.328	ng/u1	0.00
73) Anthracene-d10	17.063	188	1136448	34.658	ng/u1	0.01
81) Pyrene-d10	19.457	212	1444336	37.321	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.351	264	1486976	35.675	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.134	88	13948	4.915	ng/uL	90
5) Pyridine	3.534	79	72056	10.696	ng/u1	94
6) Benzaldehyde	6.716	77	75016m	17.711	ng/u1	
8) Phenol	6.781	94	66039	8.562	ng/u1	97
10) Bis(2-Chloroethyl)ether	6.981	93	193337	31.755	ng/u1	97
12) 2-Chlorophenol	7.116	128	151743	26.471	ng/u1	99
13) 2-Methylphenol	7.993	108	124300	21.730	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.046	45	247823	33.472	ng/u1	96
16) Acetophenone	8.352	105	309933	30.796	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.328	70	175417	31.988	ng/u1	98
18) 4-Methylphenol	8.316	108	118141	19.135	ng/u1	96
19) Hexachloroethane	8.581	117	80658	28.898	ng/u1	96
22) Nitrobenzene	8.722	77	269484	32.072	ng/u1	99
23) Isophorone	9.234	82	477042	32.053	ng/u1	98
25) 2-Nitrophenol	9.422	139	105531	31.042	ng/u1	98
26) 2,4-Dimethylphenol	9.487	107	177916	23.634	ng/u1	96
27) Bis(2-Chloroethoxy)met...	9.704	93	266013	31.636	ng/u1	97
29) 2,4-Dichlorophenol	9.957	162	196060	29.451	ng/u1	99
30) Naphthalene	10.328	128	574699	29.686	ng/u1	100
32) 4-Chloroaniline	10.457	127	74550	10.217	ng/u1	95
33) Hexachlorobutadiene	10.599	225	165268	27.986	ng/u1	100
34) Caprolactam	11.275	113	9107m	4.688	ng/u1	
35) 4-Chloro-3-methylphenol	11.593	107	213691	29.562	ng/u1	98
36) 2-Methylnaphthalene	11.940	142	434768	30.284	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.157	142	428604	29.297	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.316	216	316858	30.117	ng/ul	99
40) Hexachlorocyclopentadiene	12.281	237	127754	25.273	ng/ul	100
41) 2,4,6-Trichlorophenol	12.575	196	194145	31.182	ng/ul	99
42) 2,4,5-Trichlorophenol	12.663	196	212118	31.887	ng/ul	98
43) 1,1'-Biphenyl	12.963	154	615689	30.140	ng/ul	98
44) 2-Chloronaphthalene	13.010	162	509217	30.818	ng/ul	99
45) 2-Nitroaniline	13.234	65	180163	37.634	ng/ul	97
47) Dimethylphthalate	13.604	163	756559	34.316	ng/ul	99
48) 2,6-Dinitrotoluene	13.745	165	155229	36.746	ng/ul	97
50) Acenaphthylene	13.863	152	757967	31.528	ng/ul	99
51) 3-Nitroaniline	14.087	138	116549	32.918	ng/ul	96
52) Acenaphthene	14.210	153	547865	31.179	ng/ul	99
53) 2,4-Dinitrophenol	14.310	184	82348	30.229	ng/ul	97
55) 4-Nitrophenol	14.445	109	21583	5.841	ng/ul	90
56) Dibenzofuran	14.557	168	846487	31.720	ng/ul	99
57) 2,4-Dinitrotoluene	14.551	165	250399	36.784	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	14.804	232	203758	30.853	ng/ul	96
59) Diethylphthalate	14.987	149	779756	35.463	ng/ul	99
61) Fluorene	15.216	166	709181	32.638	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.216	204	405932	32.210	ng/ul	100
63) 4-Nitroaniline	15.269	138	134921	43.326	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.334	198	166626	36.174	ng/ul	95
67) N-Nitrosodiphenylamine	15.439	169	635515	34.638	ng/ul	100
68) 4-Bromophenyl-phenylether	16.128	248	290382	34.237	ng/ul	96
69) Hexachlorobenzene	16.251	284	350087	33.692	ng/ul	98
70) Atrazine	16.434	200	1912	0.239	ng/ul#	86
71) Pentachlorophenol	16.622	266	164803	27.173	ng/ul	95
72) Phenanthrene	17.004	178	1288640	34.693	ng/ul	99
74) Anthracene	17.098	178	1277919	34.408	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.928	216	315591	30.473	ng/uL	99
76) Pentachlorobenzene	14.481	250	364114	31.897	ng/uL	99
77) Carbazole	17.392	167	1158563	38.289	ng/ul	99
78) Di-n-butylphthalate	17.975	149	1399224	37.635	ng/ul	99
80) Fluoranthene	19.110	202	1709099	38.541	ng/ul	98
82) Pyrene	19.486	202	1821660	38.711	ng/ul	99
83) Butylbenzylphthalate	20.439	149	669265	41.064	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.310	252	615174	36.193	ng/ul	99
85) Benzo(a)anthracene	21.374	228	1809971	36.438	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.304	149	940654	40.190	ng/ul	99
87) Chrysene	21.445	228	1685658	35.412	ng/ul	100
89) Di-n-octyl phthalate	22.516	149	1524717	40.095	ng/ul	100
90) Benzo(b)fluoranthene	23.580	252	1801645	36.829	ng/ul	99
91) Benzo(k)fluoranthene	23.639	252	1796893	36.917	ng/ul	99
93) Benzo(a)pyrene	24.421	252	1618150	36.482	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.186	276	2066644m	36.257	ng/ul	
95) Dibenzo(a,h)anthracene	28.233	278	1650420	36.181	ng/ul	99
96) Benzo(g,h,i)perylene	29.298	276	1588723	36.404	ng/ul	99

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

