

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012725\
 Data File : BP023756.D
 Acq On : 28 Jan 2025 02:00
 Operator : RC/JU
 Sample : Q1174-16MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E2944MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
 Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 28 02:30:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012225.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 27 21:53:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	641405	20.000	ng/u1	0.00
20) Naphthalene-d8	10.569	136	2728375	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.428	164	1757546	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.228	188	3500062	20.000	ng/u1	0.01
79) Chrysene-d12	21.686	240	3678492	20.000	ng/u1	0.01
88) Perylene-d12	25.086	264	4046398	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	68225	4.284	ng/uL	0.00
4) Pyridine-d5	3.711	84	360112	7.836	ng/u1	0.00
7) Phenol-d5	6.975	99	425498	7.840	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.122	67	902541	29.441	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	1191743	28.884	ng/u1	0.00
15) 4-Methylphenol-d8	8.505	113	837755	19.630	ng/u1	0.03
21) Nitrobenzene-d5	8.940	128	687453	33.442	ng/u1	0.01
24) 2-Nitrophenol-d4	9.652	143	746588	39.615	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.199	165	1344422	33.939	ng/u1	0.02
31) 4-Chloroaniline-d4	10.699	131	1661295	26.223	ng/u1	0.00
46) Dimethylphthalate-d6	13.828	166	4369394	34.568	ng/u1	0.01
49) Acenaphthylene-d8	14.116	160	4858928	33.215	ng/u1	0.01
54) 4-Nitrophenol-d4	14.651	143	223037	8.782	ng/u1	0.06
60) Fluorene-d10	15.434	176	3727725	34.453	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.545	200	707149	41.027	ng/u1	0.02
73) Anthracene-d10	17.334	188	5797560	34.502	ng/u1	0.01
81) Pyrene-d10	19.704	212	6878479	36.748	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.857	264	7417405	36.623	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	78328	4.650	ng/uL	93
5) Pyridine	3.728	79	403835	8.692	ng/u1	95
6) Benzaldehyde	6.940	77	582208	21.345	ng/u1	96
8) Phenol	7.005	94	471027	8.294	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.216	93	1316325	29.795	ng/u1	99
12) 2-Chlorophenol	7.364	128	1227090	28.054	ng/u1	99
13) 2-Methylphenol	8.240	108	944902	22.928	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.311	45	1342602	29.299	ng/u1	100
16) Acetophenone	8.605	105	2173166	31.707	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.593	70	1035423	32.653	ng/u1	97
18) 4-Methylphenol	8.563	108	919320	20.063	ng/u1	98
19) Hexachloroethane	8.869	117	317830	17.779	ng/u1	97
22) Nitrobenzene	8.975	77	1468356	30.573	ng/u1	98
23) Isophorone	9.505	82	2970092	32.514	ng/u1	99
25) 2-Nitrophenol	9.687	139	806527	36.451	ng/u1	94
26) 2,4-Dimethylphenol	9.752	107	1195300	26.065	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.981	93	1838620	31.062	ng/u1	100
29) 2,4-Dichlorophenol	10.228	162	1358884	33.182	ng/u1	99
30) Naphthalene	10.622	128	4010435	27.314	ng/u1	99
32) 4-Chloroaniline	10.722	127	1017536	16.824	ng/u1	99
33) Hexachlorobutadiene	10.910	225	583064	22.618	ng/u1	99
34) Caprolactam	11.504	113	64576	4.299	ng/u1	100
35) 4-Chloro-3-methylphenol	11.857	107	1415292	33.361	ng/u1	99
36) 2-Methylnaphthalene	12.228	142	3057328	30.835	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.451	142	3071414	30.988	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.599	216	1637764	31.372	ng/ul	99
40) Hexachlorocyclopentadiene	12.587	237	579680	21.793	ng/ul	99
41) 2,4,6-Trichlorophenol	12.846	196	1138770	37.102	ng/ul	100
42) 2,4,5-Trichlorophenol	12.928	196	1278299	37.707	ng/ul	99
43) 1,1'-Biphenyl	13.246	154	4183314	31.634	ng/ul	99
44) 2-Chloronaphthalene	13.281	162	3203526	31.114	ng/ul	100
45) 2-Nitroaniline	13.487	65	911567	37.281	ng/ul	94
47) Dimethylphthalate	13.875	163	4322779	34.067	ng/ul	100
48) 2,6-Dinitrotoluene	13.987	165	899152	39.727	ng/ul	95
50) Acenaphthylene	14.140	152	5064376	31.930	ng/ul	100
51) 3-Nitroaniline	14.322	138	897827	33.991	ng/ul	94
52) Acenaphthene	14.487	153	3639096	32.450	ng/ul	99
53) 2,4-Dinitrophenol	14.528	184	447117	40.240	ng/ul	92
55) 4-Nitrophenol	14.663	109	169372	9.087	ng/ul	95
56) Dibenzofuran	14.828	168	5036157	32.650	ng/ul	99
57) 2,4-Dinitrotoluene	14.787	165	1311529	38.733	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.063	232	1085160	38.976	ng/ul	99
59) Diethylphthalate	15.263	149	4468763	35.806	ng/ul	99
61) Fluorene	15.493	166	4291882	33.389	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.487	204	2131018	33.871	ng/ul	99
63) 4-Nitroaniline	15.498	138	1071215	39.861	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.557	198	776445	40.056	ng/ul	98
67) N-Nitrosodiphenylamine	15.704	169	3618330	34.420	ng/ul	99
68) 4-Bromophenyl-phenylether	16.404	248	1345689	35.911	ng/ul	99
69) Hexachlorobenzene	16.516	284	1640086	35.966	ng/ul	96
70) Atrazine	16.687	200	1284968	33.139	ng/ul	99
71) Pentachlorophenol	16.875	266	988032	35.870	ng/ul	98
72) Phenanthrene	17.275	178	6815061	34.463	ng/ul	100
74) Anthracene	17.363	178	6747678	34.352	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.210	216	1638301	32.264	ng/ul	99
76) Pentachlorobenzene	14.751	250	1759096	32.612	ng/ul	100
77) Carbazole	17.651	167	6516535	37.771	ng/ul	100
78) Di-n-butylphthalate	18.239	149	7757188	39.512	ng/ul	100
80) Fluoranthene	19.357	202	8123348	38.168	ng/ul	100
82) Pyrene	19.733	202	8402542	36.350	ng/ul	99
83) Butylbenzylphthalate	20.680	149	3598365	43.164	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.575	252	2306033	35.522	ng/ul	100
85) Benzo(a)anthracene	21.663	228	8506211	36.476	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.616	149	5284258	42.505	ng/ul	97
87) Chrysene	21.727	228	7862264	36.012	ng/ul	99
89) Di-n-octyl phthalate	22.927	149	8898599	43.869	ng/ul	100
90) Benzo(b)fluoranthene	24.004	252	8689299	36.148	ng/ul	99
91) Benzo(k)fluoranthene	24.080	252	8615056	34.766	ng/ul	99
93) Benzo(a)pyrene	24.933	252	8009562	35.403	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.968	276	10501074	37.345	ng/ul	99
95) Dibenzo(a,h)anthracene	29.045	278	8610962m	37.696	ng/ul	
96) Benzo(g,h,i)perylene	30.174	276	8093606	37.417	ng/ul	97

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

