

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030425\
 Data File : BP024148.D
 Acq On : 04 Mar 2025 12:20
 Operator : RC/JU
 Sample : SST08089
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SST080627

Quant Time: Mar 04 13:52:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP030425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 04 13:32:01 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/05/2025
 Supervised By :Jagrut Upadhyay 03/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	362031	20.000	ng/ul	0.00
20) Naphthalene-d8	10.534	136	1552382	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.392	164	990922	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.198	188	1940217	20.000	ng/ul	0.00
79) Chrysene-d12	21.663	240	2034725	20.000	ng/ul	0.01
88) Perylene-d12	25.057	264	2173452	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	266582	30.245	ng/uL	0.00
4) Pyridine-d5	3.675	84	2079124	82.100	ng/ul	0.00
7) Phenol-d5	6.940	99	2605041	81.269	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.093	67	1388642	80.979	ng/ul	0.00
11) 2-Chlorophenol-d4	7.299	132	2041357	81.156	ng/ul	0.00
15) 4-Methylphenol-d8	8.463	113	2065834	79.813	ng/ul	0.00
21) Nitrobenzene-d5	8.904	128	1041386	83.218	ng/ul	0.00
24) 2-Nitrophenol-d4	9.622	143	1159982	86.639	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.163	165	1995053	81.440	ng/ul	0.00
31) 4-Chloroaniline-d4	10.669	131	2867528	78.615	ng/ul	0.00
46) Dimethylphthalate-d6	13.798	166	5596161	76.098	ng/ul	0.00
49) Acenaphthylene-d8	14.086	160	6567632	78.770	ng/ul	0.00
54) 4-Nitrophenol-d4	14.616	143	1218080	83.127	ng/ul	0.01
60) Fluorene-d10	15.404	176	4714104	75.843	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.533	200	1088519	89.687	ng/ul	0.01
73) Anthracene-d10	17.304	188	7326694	76.793	ng/ul	0.00
81) Pyrene-d10	19.674	212	8370079	77.447	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.827	264	9248808	81.655	ng/ul	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.305	88	282586	30.395	ng/uL	98
5) Pyridine	3.699	79	2081058	81.578	ng/ul	95
6) Benzaldehyde	6.905	77	1217921	77.211	ng/ul	98
8) Phenol	6.963	94	2677133	81.129	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.181	93	2004887	79.613	ng/ul	99
12) 2-Chlorophenol	7.328	128	2090330	80.552	ng/ul	99
13) 2-Methylphenol	8.199	108	1983116	80.586	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.269	45	2084970	80.065	ng/ul	99
16) Acetophenone	8.569	105	3170732	80.267	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.569	70	1515920	81.532	ng/ul	98
18) 4-Methylphenol	8.534	108	2186197	80.206	ng/ul	98
19) Hexachloroethane	8.828	117	808011	78.568	ng/ul	97
22) Nitrobenzene	8.946	77	2228694	81.654	ng/ul	99
23) Isophorone	9.481	82	4384207	81.467	ng/ul	100
25) 2-Nitrophenol	9.651	139	1231033	83.810	ng/ul	99
26) 2,4-Dimethylphenol	9.716	107	2061979	76.822	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.951	93	2673992	79.047	ng/ul	99
29) 2,4-Dichlorophenol	10.193	162	1980616	79.786	ng/ul	99
30) Naphthalene	10.587	128	6493148	77.976	ng/ul	99
32) 4-Chloroaniline	10.693	127	2705727	78.383	ng/ul	99
33) Hexachlorobutadiene	10.869	225	1143770	75.490	ng/ul	99
34) Caprolactam	11.498	113	765879m	81.614	ng/ul	
35) 4-Chloro-3-methylphenol	11.834	107	2161895	82.240	ng/ul	99
36) 2-Methylnaphthalene	12.198	142	4539859	78.464	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.422	142	4490438	78.305	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.575	216	2328231	78.744	ng/ul	99
40) Hexachlorocyclopentadiene	12.551	237	1240577	74.766	ng/ul	99
41) 2,4,6-Trichlorophenol	12.816	196	1589472	81.536	ng/ul	99
42) 2,4,5-Trichlorophenol	12.887	196	1728393	81.944	ng/ul	98
43) 1,1'-Biphenyl	13.210	154	5675323	76.797	ng/ul	98
44) 2-Chloronaphthalene	13.257	162	4442021	77.129	ng/ul	99
45) 2-Nitroaniline	13.463	65	1280701	85.354	ng/ul	97
47) Dimethylphthalate	13.845	163	5520601	75.165	ng/ul	100
48) 2,6-Dinitrotoluene	13.969	165	1242813	86.685	ng/ul	94
50) Acenaphthylene	14.110	152	6871668	77.318	ng/ul	98
51) 3-Nitroaniline	14.298	138	1341277	85.271	ng/ul	98
52) Acenaphthene	14.457	153	4895783	77.835	ng/ul	100
53) 2,4-Dinitrophenol	14.504	184	805572	93.242	ng/ul	96
55) 4-Nitrophenol	14.634	109	821131	79.691	ng/ul	97
56) Dibenzofuran	14.798	168	6590565	75.436	ng/ul	98
57) 2,4-Dinitrotoluene	14.763	165	1787373	83.658	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.034	232	1433900	80.794	ng/ul	100
59) Diethylphthalate	15.228	149	5586558	75.648	ng/ul	98
61) Fluorene	15.457	166	5352169	74.120	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.451	204	2648277	74.461	ng/ul	99
63) 4-Nitroaniline	15.486	138	1256591	81.450	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.545	198	1162743	87.631	ng/ul	98
67) N-Nitrosodiphenylamine	15.669	169	4594390	77.347	ng/ul	100
68) 4-Bromophenyl-phenylether	16.369	248	1758314	80.071	ng/ul	99
69) Hexachlorobenzene	16.486	284	2073432	78.207	ng/ul	97
70) Atrazine	16.657	200	1689928	73.774	ng/ul	99
71) Pentachlorophenol	16.839	266	1413072	86.141	ng/ul	99
72) Phenanthrene	17.245	178	8450071	76.973	ng/ul	98
74) Anthracene	17.339	178	8471791	76.369	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.181	216	2345334	81.766	ng/uL	97
76) Pentachlorobenzene	14.716	250	2421458	79.070	ng/uL	100
77) Carbazole	17.616	167	8001530	82.256	ng/ul	98
78) Di-n-butylphthalate	18.210	149	9620002	79.779	ng/ul	99
80) Fluoranthene	19.327	202	9742504	78.174	ng/ul	96
82) Pyrene	19.710	202	10025212	77.048	ng/ul	100
83) Butylbenzylphthalate	20.657	149	4500091	79.656	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.563	252	3166766	71.575	ng/ul	99
85) Benzo(a)anthracene	21.639	228	10121069	75.355	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.580	149	6481040	77.961	ng/ul	98
87) Chrysene	21.710	228	9372014	75.548	ng/ul	98
89) Di-n-octyl phthalate	22.880	149	10754063	82.746	ng/ul	100
90) Benzo(b)fluoranthene	23.992	252	10497519	80.013	ng/ul	99
91) Benzo(k)fluoranthene	24.057	252	10595167	80.073	ng/ul	99
93) Benzo(a)pyrene	24.909	252	9751009	79.437	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.933	276	12999277m	81.115	ng/ul	
95) Dibenzo(a,h)anthracene	29.021	278	10501693	80.829	ng/ul	99
96) Benzo(g,h,i)perylene	30.121	276	9983005	81.445	ng/ul	99

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

