

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031425\
 Data File : BG064110.D
 Acq On : 14 Mar 2025 14:43
 Operator : RC/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SICV411

Quant Time: Mar 14 15:39:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 14:37:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/14/2025
 Supervised By :Jagrut Upadhyay 03/17/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	24556	20.000	ng/u1	0.00
20) Naphthalene-d8	10.646	136	124594	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.483	164	92846	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	210224	20.000	ng/u1	0.00
79) Chrysene-d12	21.457	240	211148	20.000	ng/u1	0.00
88) Perylene-d12	24.471	264	224918	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	5001	8.154	ng/uL	0.00
4) Pyridine-d5	3.736	84	35410	20.095	ng/u1	0.00
7) Phenol-d5	7.021	99	46885	21.102	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.191	67	33061	23.613	ng/u1	0.00
11) 2-Chlorophenol-d4	7.391	132	36165	20.396	ng/u1	0.00
15) 4-Methylphenol-d8	8.560	113	41373	21.951	ng/u1	0.00
21) Nitrobenzene-d5	9.007	128	20004	21.407	ng/u1	0.00
24) 2-Nitrophenol-d4	9.735	143	20080	20.460	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.270	165	40803	20.618	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	57309	20.653	ng/u1	0.00
46) Dimethylphthalate-d6	13.895	166	146200	20.064	ng/u1	0.00
49) Acenaphthylene-d8	14.177	160	160873	19.853	ng/u1	0.00
54) 4-Nitrophenol-d4	14.671	143	25487	20.817	ng/u1	0.00
60) Fluorene-d10	15.476	176	127099	20.235	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	21691	19.133	ng/u1	0.00
73) Anthracene-d10	17.326	188	210988	20.014	ng/u1	0.00
81) Pyrene-d10	19.612	212	247692	21.263	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.259	264	234460	20.001	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.372	88	5940	8.550	ng/uL	85
5) Pyridine	3.754	79	37379	20.460	ng/u1	97
6) Benzaldehyde	6.997	77	36231	27.737	ng/u1	95
8) Phenol	7.050	94	48618	20.980	ng/u1#	93
10) Bis(2-Chloroethyl)ether	7.285	93	37077	21.166	ng/u1	98
12) 2-Chlorophenol	7.426	128	38580	21.472	ng/u1	95
13) 2-Methylphenol	8.296	108	39336	21.883	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.384	45	87652	21.353	ng/u1	99
16) Acetophenone	8.672	105	69288	22.584	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.660	70	35936	21.988	ng/u1	95
18) 4-Methylphenol	8.625	108	43096	21.626	ng/u1	81
19) Hexachloroethane	8.942	117	15964	20.367	ng/u1	92
22) Nitrobenzene	9.048	77	49372	19.590	ng/u1#	89
23) Isophorone	9.571	82	101986	20.944	ng/u1	96
25) 2-Nitrophenol	9.759	139	23003	22.006	ng/u1#	91
26) 2,4-Dimethylphenol	9.823	107	52026	22.026	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.058	93	54774	19.955	ng/u1	98
29) 2,4-Dichlorophenol	10.293	162	39485	20.517	ng/u1	93
30) Naphthalene	10.699	128	137666	20.315	ng/u1	100
32) 4-Chloroaniline	10.799	127	61107	22.798	ng/u1	98
33) Hexachlorobutadiene	10.993	225	29636	20.115	ng/u1	93
34) Caprolactam	11.551	113	14880m	20.073	ng/u1	
35) 4-Chloro-3-methylphenol	11.927	107	51482	21.285	ng/u1	95
36) 2-Methylnaphthalene	12.309	142	93309	19.057	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.526	142	97621	19.625	ng/ul	92
39) 1,2,4,5-Tetrachloroben...	12.673	216	53902	19.237	ng/ul#	97
40) Hexachlorocyclopentadiene	12.655	237	33691	21.583	ng/ul	98
41) 2,4,6-Trichlorophenol	12.914	196	35797	20.212	ng/ul	89
42) 2,4,5-Trichlorophenol	12.984	196	38580	20.110	ng/ul	98
43) 1,1'-Biphenyl	13.319	154	140056	19.693	ng/ul	98
44) 2-Chloronaphthalene	13.360	162	100412	18.757	ng/ul	97
45) 2-Nitroaniline	13.560	65	38237	21.012	ng/ul	94
47) Dimethylphthalate	13.942	163	142203	20.649	ng/ul	98
48) 2,6-Dinitrotoluene	14.054	165	29756	23.030	ng/ul	98
50) Acenaphthylene	14.207	152	178000	21.386	ng/ul	100
51) 3-Nitroaniline	14.383	138	32762	25.113	ng/ul#	84
52) Acenaphthene	14.553	153	118071	19.267	ng/ul	99
53) 2,4-Dinitrophenol	14.588	184	11247	17.181	ng/ul	91
55) 4-Nitrophenol	14.688	109	29220	21.042	ng/ul	89
56) Dibenzofuran	14.882	168	171941	20.074	ng/ul	98
57) 2,4-Dinitrotoluene	14.841	165	43134	21.740	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.105	232	39328	22.648	ng/ul#	94
59) Diethylphthalate	15.311	149	154362	20.828	ng/ul	96
61) Fluorene	15.534	166	144487	20.649	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.529	204	70763	20.388	ng/ul	96
63) 4-Nitroaniline	15.540	138	35442	25.993	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.605	198	24405	20.114	ng/ul	97
67) N-Nitrosodiphenylamine	15.740	169	125198	20.345	ng/ul	97
68) 4-Bromophenyl-phenylether	16.422	248	46221	20.077	ng/ul	99
69) Hexachlorobenzene	16.533	284	50265	19.527	ng/ul#	91
70) Atrazine	16.692	200	54095	22.109	ng/ul	96
71) Pentachlorophenol	16.880	266	29776	19.330	ng/ul	90
72) Phenanthrene	17.268	178	237287	20.194	ng/ul	99
74) Anthracene	17.356	178	249064	20.708	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.284	216	53903	18.451	ng/ul	95
76) Pentachlorobenzene	14.806	250	55008	18.026	ng/ul	98
77) Carbazole	17.626	167	233593	22.395	ng/ul	99
78) Di-n-butylphthalate	18.196	149	268560	20.134	ng/ul	99
80) Fluoranthene	19.277	202	294811	21.361	ng/ul	96
82) Pyrene	19.641	202	305651	20.884	ng/ul	98
83) Butylbenzylphthalate	20.540	149	121131	20.784	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.363	252	108121	25.957	ng/ul	97
85) Benzo(a)anthracene	21.439	228	303594	20.751	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.375	149	177052	20.249	ng/ul	99
87) Chrysene	21.498	228	286967	20.631	ng/ul	99
89) Di-n-octyl phthalate	22.514	149	298865	20.283	ng/ul	100
90) Benzo(b)fluoranthene	23.519	252	281064	20.228	ng/ul	96
91) Benzo(k)fluoranthene	23.584	252	288875	20.382	ng/ul	99
93) Benzo(a)pyrene	24.330	252	266643	20.326	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	27.855	276	332036m	20.222	ng/ul	
95) Dibenzo(a,h)anthracene	27.920	278	269326	20.591	ng/ul	97
96) Benzo(g,h,i)perylene	28.925	276	263712m	20.714	ng/ul	

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

