

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091525\
 Data File : BN037719.D
 Acq On : 15 Sep 2025 12:56
 Operator : RC/JU
 Sample : Q2899-05
 Misc : MDL-ME-SOIL 4 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-05

Quant Time: Sep 15 13:26:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091225.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 15:43:05 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/16/2025
 Supervised By :Jagrut Upadhyay 09/16/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	218473	20.000	ng/u1	0.00
20) Naphthalene-d8	10.646	136	838207	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.493	164	473254	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.239	188	829828	20.000	ng/u1	0.00
79) Chrysene-d12	21.486	240	837792	20.000	ng/u1	0.00
88) Perylene-d12	24.574	264	873456	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	20378	3.951	ng/uL	0.00
4) Pyridine-d5	3.670	84	214345	14.945	ng/u1	0.00
7) Phenol-d5	6.987	99	224416	13.768	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	147625	14.689	ng/u1	0.00
11) 2-Chlorophenol-d4	7.364	132	196756	14.627	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	179588	13.996	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	90411	14.303	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	66809	12.918	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	161705	13.692	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	252798	14.112	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	439039	13.894	ng/u1	0.00
49) Acenaphthylene-d8	14.187	160	574843	14.558	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	64704	10.926	ng/u1	0.00
60) Fluorene-d10	15.487	176	409669	14.495	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	30829	8.240	ng/u1	0.00
73) Anthracene-d10	17.339	188	584090	14.157	ng/u1	0.00
81) Pyrene-d10	19.628	212	623021	14.226	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.363	264	627513	14.229	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	8864	1.614	ng/uL	90
5) Pyridine	3.693	79	65025	4.388	ng/u1	92
6) Benzaldehyde	6.964	77	47001	6.155	ng/u1	93
8) Phenol	7.011	94	73388	4.326	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.252	93	60811	4.496	ng/u1	97
12) 2-Chlorophenol	7.393	128	62496	4.442	ng/u1	99
13) 2-Methylphenol	8.269	108	49018	3.919	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.369	45	80074	4.298	ng/u1	96
16) Acetophenone	8.658	105	91941	4.498	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.640	70	39076	4.195	ng/u1	99
18) 4-Methylphenol	8.593	108	56159	4.162	ng/u1	93
19) Hexachloroethane	8.928	117	26209	4.376	ng/u1	99
22) Nitrobenzene	9.034	77	63938	4.420	ng/u1	97
23) Isophorone	9.563	82	97689	3.892	ng/u1	98
25) 2-Nitrophenol	9.752	139	23875	3.914	ng/u1	96
26) 2,4-Dimethylphenol	9.810	107	56082	4.029	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.052	93	72270	4.320	ng/u1	99
29) 2,4-Dichlorophenol	10.281	162	51460	4.270	ng/u1	96
30) Naphthalene	10.693	128	201051	4.491	ng/u1	98
32) 4-Chloroaniline	10.793	127	75856	4.235	ng/u1	96
33) Hexachlorobutadiene	10.993	225	38778	4.615	ng/u1	93
34) Caprolactam	11.552	113	14729m	4.125	ng/u1	
35) 4-Chloro-3-methylphenol	11.916	107	41486	3.655	ng/u1	97
36) 2-Methylnaphthalene	12.310	142	125223	4.253	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.528	142	124372	4.272	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.681	216	64231	4.351	ng/ul	96
40) Hexachlorocyclopentadiene	12.669	237	43191	4.564	ng/ul	97
41) 2,4,6-Trichlorophenol	12.916	196	27575	3.453	ng/ul	100
42) 2,4,5-Trichlorophenol	12.987	196	33475	3.613	ng/ul	99
43) 1,1'-Biphenyl	13.328	154	161366	4.428	ng/ul	99
44) 2-Chloronaphthalene	13.363	162	125918	4.389	ng/ul	99
45) 2-Nitroaniline	13.557	65	20948	3.206	ng/ul	98
47) Dimethylphthalate	13.946	163	137396	4.348	ng/ul	100
48) 2,6-Dinitrotoluene	14.057	165	18684	3.307	ng/ul	95
50) Acenaphthylene	14.216	152	201901	4.406	ng/ul	100
51) 3-Nitroaniline	14.381	138	20914	3.454	ng/ul#	97
52) Acenaphthene	14.557	153	129465	4.342	ng/ul	96
53) 2,4-Dinitrophenol	14.587	184	9403	3.938	ng/ul	88
55) 4-Nitrophenol	14.681	109	21404	4.746	ng/ul	97
56) Dibenzofuran	14.893	168	178193	4.380	ng/ul	97
57) 2,4-Dinitrotoluene	14.840	165	27382	3.385	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.116	232	22052	3.403	ng/ul	97
59) Diethylphthalate	15.316	149	119672	3.986	ng/ul	97
61) Fluorene	15.545	166	145574	4.415	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.540	204	69352	4.372	ng/ul	98
63) 4-Nitroaniline	15.540	138	21562	3.785	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.604	198	10565	2.528	ng/ul#	86
67) N-Nitrosodiphenylamine	15.751	169	110484	4.151	ng/ul	98
68) 4-Bromophenyl-phenylether	16.434	248	39027	4.182	ng/ul	96
69) Hexachlorobenzene	16.551	284	50706	4.439	ng/ul	98
70) Atrazine	16.698	200	37317	4.172	ng/ul	97
71) Pentachlorophenol	16.887	266	19521	3.113	ng/ul	96
72) Phenanthrene	17.281	178	208363	4.333	ng/ul	100
74) Anthracene	17.375	178	211718	4.342	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.287	216	62941	4.263	ng/ul	99
76) Pentachlorobenzene	14.816	250	64676	4.573	ng/ul	98
77) Carbazole	17.634	167	173712	4.022	ng/ul	99
78) Di-n-butylphthalate	18.222	149	146789	3.349	ng/ul	99
80) Fluoranthene	19.298	202	209425	4.098	ng/ul	99
82) Pyrene	19.657	202	231666	4.262	ng/ul	99
83) Butylbenzylphthalate	20.563	149	40680	2.651	ng/ul	88
84) 3,3'-Dichlorobenzidine	21.392	252	57837	3.574	ng/ul	100
85) Benzo(a)anthracene	21.469	228	215218	4.005	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.410	149	61478	2.658	ng/ul#	97
87) Chrysene	21.533	228	219811	4.278	ng/ul	96
89) Di-n-octyl phthalate	22.586	149	83963	2.041	ng/ul	100
90) Benzo(b)fluoranthene	23.598	252	197496	3.830	ng/ul	96
91) Benzo(k)fluoranthene	23.663	252	218561	4.201	ng/ul	100
93) Benzo(a)pyrene	24.427	252	199593	4.038	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.057	276	239848	3.709	ng/ul	99
95) Dibenzo(a,h)anthracene	28.121	278	195040	3.649	ng/ul	97
96) Benzo(g,h,i)perylene	29.133	276	199495m	3.765	ng/ul	

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

