

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091625\
 Data File : BN037728.D
 Acq On : 16 Sep 2025 12:11
 Operator : RC/JU
 Sample : Q2899-06
 Misc : MDL-ME-SOIL 4 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-06

Quant Time: Sep 16 12:36:27 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 09/17/2025
 Supervised By :Jagrut Upadhyay 09/17/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	219579	20.000	ng/u1	0.00
20) Naphthalene-d8	10.640	136	834124	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.493	164	469297	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.239	188	821920	20.000	ng/u1	0.00
79) Chrysene-d12	21.486	240	810948	20.000	ng/u1	0.00
88) Perylene-d12	24.574	264	895355	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	20682	3.990	ng/uL	0.00
4) Pyridine-d5	3.670	84	217208	15.068	ng/u1	0.00
7) Phenol-d5	6.987	99	224939	13.731	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	148461	14.697	ng/u1	0.00
11) 2-Chlorophenol-d4	7.364	132	199742	14.774	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	178749	13.861	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	89763	14.270	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	66291	12.880	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.258	165	163620	13.922	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	255340	14.323	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	448018	14.298	ng/u1	0.00
49) Acenaphthylene-d8	14.187	160	569482	14.544	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	63376	10.792	ng/u1	0.00
60) Fluorene-d10	15.487	176	406334	14.498	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.593	200	29646	8.000	ng/u1	0.00
73) Anthracene-d10	17.339	188	575458	14.082	ng/u1	0.00
81) Pyrene-d10	19.628	212	618816	14.598	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.363	264	635824	14.065	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	8977	1.627	ng/uL	93
5) Pyridine	3.693	79	66492	4.464	ng/u1	91
6) Benzaldehyde	6.964	77	45053	5.870	ng/u1	93
8) Phenol	7.011	94	74291	4.357	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.252	93	61383	4.516	ng/u1	97
12) 2-Chlorophenol	7.393	128	63264	4.474	ng/u1	97
13) 2-Methylphenol	8.269	108	49390	3.929	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.363	45	80344	4.291	ng/u1	99
16) Acetophenone	8.652	105	90044	4.383	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.640	70	38699	4.133	ng/u1	98
18) 4-Methylphenol	8.599	108	57243	4.221	ng/u1	99
19) Hexachloroethane	8.928	117	27096	4.501	ng/u1	96
22) Nitrobenzene	9.028	77	65151	4.526	ng/u1	99
23) Isophorone	9.563	82	98269	3.935	ng/u1#	97
25) 2-Nitrophenol	9.746	139	25012	4.120	ng/u1	97
26) 2,4-Dimethylphenol	9.810	107	52628	3.799	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.052	93	72514	4.356	ng/u1	96
29) 2,4-Dichlorophenol	10.281	162	52294	4.360	ng/u1	97
30) Naphthalene	10.693	128	200428	4.499	ng/u1	99
32) 4-Chloroaniline	10.793	127	76441	4.288	ng/u1	96
33) Hexachlorobutadiene	10.993	225	38838	4.644	ng/u1	96
34) Caprolactam	11.552	113	14148m	3.982	ng/u1	
35) 4-Chloro-3-methylphenol	11.916	107	42727	3.783	ng/u1	98
36) 2-Methylnaphthalene	12.310	142	127003	4.335	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.528	142	124855	4.310	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.681	216	65980	4.507	ng/ul	97
40) Hexachlorocyclopentadiene	12.669	237	40444	4.310	ng/ul	97
41) 2,4,6-Trichlorophenol	12.916	196	27839	3.515	ng/ul	95
42) 2,4,5-Trichlorophenol	12.981	196	34261	3.729	ng/ul	98
43) 1,1'-Biphenyl	13.328	154	159893	4.424	ng/ul	98
44) 2-Chloronaphthalene	13.363	162	125244	4.402	ng/ul	96
45) 2-Nitroaniline	13.557	65	21007	3.242	ng/ul	96
47) Dimethylphthalate	13.946	163	134873	4.304	ng/ul	99
48) 2,6-Dinitrotoluene	14.057	165	18806	3.357	ng/ul	95
50) Acenaphthylene	14.210	152	199911	4.400	ng/ul	97
51) 3-Nitroaniline	14.381	138	21185	3.528	ng/ul#	95
52) Acenaphthene	14.557	153	129739	4.388	ng/ul	95
53) 2,4-Dinitrophenol	14.587	184	9545	4.031	ng/ul	95
55) 4-Nitrophenol	14.681	109	21809	4.877	ng/ul	94
56) Dibenzofuran	14.893	168	178539	4.426	ng/ul	98
57) 2,4-Dinitrotoluene	14.845	165	27451	3.422	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.116	232	22250	3.462	ng/ul#	98
59) Diethylphthalate	15.316	149	118396	3.977	ng/ul	98
61) Fluorene	15.540	166	141239	4.320	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.540	204	68959	4.384	ng/ul	94
63) 4-Nitroaniline	15.540	138	21183	3.750	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.604	198	11192	2.704	ng/ul#	92
67) N-Nitrosodiphenylamine	15.745	169	109902	4.169	ng/ul	98
68) 4-Bromophenyl-phenylether	16.434	248	39017	4.221	ng/ul	97
69) Hexachlorobenzene	16.545	284	51251	4.530	ng/ul	97
70) Atrazine	16.698	200	37616	4.246	ng/ul	96
71) Pentachlorophenol	16.887	266	20677	3.329	ng/ul	94
72) Phenanthrene	17.281	178	208545	4.379	ng/ul	99
74) Anthracene	17.369	178	209024	4.328	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.287	216	64666	4.422	ng/ul	99
76) Pentachlorobenzene	14.810	250	63152	4.508	ng/ul	98
77) Carbazole	17.639	167	170579	3.987	ng/ul	98
78) Di-n-butylphthalate	18.222	149	147897	3.407	ng/ul	98
80) Fluoranthene	19.292	202	205273	4.150	ng/ul	99
82) Pyrene	19.657	202	232181	4.413	ng/ul	98
83) Butylbenzylphthalate	20.563	149	41297	2.780	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.392	252	57314	3.659	ng/ul	99
85) Benzo(a)anthracene	21.469	228	220088	4.232	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.410	149	62101	2.773	ng/ul	100
87) Chrysene	21.533	228	218875	4.401	ng/ul	95
89) Di-n-octyl phthalate	22.586	149	88294	2.094	ng/ul	100
90) Benzo(b)fluoranthene	23.598	252	206764	3.912	ng/ul	96
91) Benzo(k)fluoranthene	23.663	252	213710	4.007	ng/ul	100
93) Benzo(a)pyrene	24.427	252	206285	4.072	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.057	276	248407	3.747	ng/ul	99
95) Dibenzo(a,h)anthracene	28.121	278	206210	3.763	ng/ul	97
96) Benzo(g,h,i)perylene	29.133	276	204985	3.774	ng/ul	99

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

