

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091625\
 Data File : BN037727.D
 Acq On : 16 Sep 2025 11:31
 Operator : RC/JU
 Sample : Q2899-04
 Misc : MDL-SOIL 4 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 16 12:16:45 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	231787	20.000	ng/u1	0.00
20) Naphthalene-d8	10.646	136	872018	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.492	164	486322	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.239	188	855031	20.000	ng/u1	0.00
79) Chrysene-d12	21.492	240	804969	20.000	ng/u1	0.00
88) Perylene-d12	24.574	264	888415	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	21357	3.903	ng/uL	0.00
4) Pyridine-d5	3.669	84	224464	14.751	ng/u1	0.00
7) Phenol-d5	6.981	99	231342	13.378	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	154662	14.505	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	205918	14.429	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	187609	13.782	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	91861	13.968	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	70897	13.177	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	167436	13.628	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	265414	14.241	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	462475	14.242	ng/u1	0.00
49) Acenaphthylene-d8	14.181	160	597178	14.718	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	66939	11.000	ng/u1	0.00
60) Fluorene-d10	15.486	176	416676	14.347	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	30791	7.988	ng/u1	0.00
73) Anthracene-d10	17.339	188	590699	13.895	ng/u1	0.00
81) Pyrene-d10	19.627	212	631402	15.005	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.362	264	640017	14.268	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	9605	1.649	ng/uL	97
5) Pyridine	3.693	79	68840	4.378	ng/u1	95
6) Benzaldehyde	6.963	77	48839	6.028	ng/u1	96
8) Phenol	7.010	94	76026	4.224	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.252	93	62657	4.366	ng/u1	98
12) 2-Chlorophenol	7.393	128	64489	4.321	ng/u1	96
13) 2-Methylphenol	8.269	108	51420	3.875	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.363	45	82003	4.149	ng/u1	98
16) Acetophenone	8.652	105	94689	4.367	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.640	70	40557	4.104	ng/u1	97
18) 4-Methylphenol	8.599	108	58846	4.111	ng/u1	96
19) Hexachloroethane	8.928	117	28097	4.421	ng/u1	97
22) Nitrobenzene	9.028	77	67097	4.459	ng/u1	98
23) Isophorone	9.563	82	103808	3.976	ng/u1	98
25) 2-Nitrophenol	9.746	139	25581	4.031	ng/u1	95
26) 2,4-Dimethylphenol	9.810	107	55548	3.836	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.051	93	75530	4.340	ng/u1	97
29) 2,4-Dichlorophenol	10.281	162	54006	4.307	ng/u1	99
30) Naphthalene	10.693	128	210204	4.513	ng/u1	98
32) 4-Chloroaniline	10.793	127	80984	4.346	ng/u1	99
33) Hexachlorobutadiene	10.993	225	39903	4.564	ng/u1	94
34) Caprolactam	11.551	113	15436m	4.156	ng/u1	
35) 4-Chloro-3-methylphenol	11.916	107	43359	3.672	ng/u1	98
36) 2-Methylnaphthalene	12.310	142	131151	4.282	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.528	142	129657	4.281	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.681	216	66931	4.412	ng/ul	97
40) Hexachlorocyclopentadiene	12.669	237	41592	4.277	ng/ul	100
41) 2,4,6-Trichlorophenol	12.922	196	28411	3.462	ng/ul	99
42) 2,4,5-Trichlorophenol	12.981	196	33896	3.560	ng/ul	98
43) 1,1'-Biphenyl	13.322	154	168213	4.491	ng/ul	97
44) 2-Chloronaphthalene	13.363	162	131674	4.466	ng/ul	98
45) 2-Nitroaniline	13.557	65	22351	3.329	ng/ul	98
47) Dimethylphthalate	13.945	163	140436	4.325	ng/ul	98
48) 2,6-Dinitrotoluene	14.057	165	19607	3.377	ng/ul	98
50) Acenaphthylene	14.216	152	213853	4.542	ng/ul	100
51) 3-Nitroaniline	14.381	138	21245	3.415	ng/ul#	93
52) Acenaphthene	14.557	153	135961	4.437	ng/ul	95
53) 2,4-Dinitrophenol	14.587	184	9592	3.909	ng/ul	96
55) 4-Nitrophenol	14.681	109	22464	4.847	ng/ul	91
56) Dibenzofuran	14.892	168	184787	4.420	ng/ul	97
57) 2,4-Dinitrotoluene	14.839	165	29046	3.494	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.116	232	22863	3.433	ng/ul	95
59) Diethylphthalate	15.316	149	124113	4.023	ng/ul	97
61) Fluorene	15.539	166	147195	4.344	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.539	204	71388	4.379	ng/ul	96
63) 4-Nitroaniline	15.539	138	21773	3.719	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.604	198	11296	2.623	ng/ul#	85
67) N-Nitrosodiphenylamine	15.751	169	113415	4.136	ng/ul	96
68) 4-Bromophenyl-phenylether	16.433	248	40543	4.216	ng/ul	91
69) Hexachlorobenzene	16.545	284	53462	4.543	ng/ul	97
70) Atrazine	16.698	200	38781	4.208	ng/ul	96
71) Pentachlorophenol	16.886	266	21027	3.255	ng/ul	92
72) Phenanthrene	17.281	178	217244	4.385	ng/ul	99
74) Anthracene	17.375	178	209854	4.177	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.287	216	66601	4.378	ng/uL	96
76) Pentachlorobenzene	14.816	250	64981	4.459	ng/uL	97
77) Carbazole	17.639	167	172694	3.880	ng/ul	98
78) Di-n-butylphthalate	18.222	149	152814	3.384	ng/ul	99
80) Fluoranthene	19.298	202	214072	4.360	ng/ul	99
82) Pyrene	19.657	202	238325	4.563	ng/ul	98
83) Butylbenzylphthalate	20.563	149	42760	2.900	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.392	252	57449	3.695	ng/ul	100
85) Benzo(a)anthracene	21.469	228	216670	4.197	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.416	149	62304	2.803	ng/ul	99
87) Chrysene	21.533	228	217149	4.399	ng/ul	99
89) Di-n-octyl phthalate	22.586	149	88049	2.104	ng/ul	100
90) Benzo(b)fluoranthene	23.598	252	204175	3.893	ng/ul	99
91) Benzo(k)fluoranthene	23.663	252	205967	3.892	ng/ul	99
93) Benzo(a)pyrene	24.427	252	199275	3.964	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.062	276	245467m	3.732	ng/ul	
95) Dibenzo(a,h)anthracene	28.127	278	204531	3.762	ng/ul	97
96) Benzo(g,h,i)perylene	29.145	276	203868	3.782	ng/ul	100

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

