

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062425\
 Data File : BN037370.D
 Acq On : 24 Jun 2025 13:08
 Operator : RC/JU
 Sample : Q2117-03
 Misc : MDL-SOIL-4 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2025-03

Quant Time: Jun 24 14:47:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 19 14:59:41 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/25/2025
 Supervised By :Jagrut Upadhyay 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.557	152	87781	20.000	ng/u1	0.00
20) Naphthalene-d8	10.339	136	288384	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.216	164	203744	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.968	188	420703	20.000	ng/u1	0.00
79) Chrysene-d12	21.198	240	371210	20.000	ng/u1	# 0.00
88) Perylene-d12	24.045	264	396789	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.057	96	7462	4.541	ng/uL	0.00
4) Pyridine-d5	3.469	84	73309	16.698	ng/u1	0.00
7) Phenol-d5	6.740	99	83561	16.509	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.898	67	56460	17.901	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	74931	16.700	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	67891	16.385	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	33886	16.035	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	38932	15.104	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	86827	15.530	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	86905	15.466	ng/u1	0.00
46) Dimethylphthalate-d6	13.633	166	245996	16.368	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	277777	16.800	ng/u1	0.00
54) 4-Nitrophenol-d4	14.422	143	27278	12.221	ng/u1	0.00
60) Fluorene-d10	15.216	176	216123	15.912	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.339	200	36859	12.271	ng/u1	0.00
73) Anthracene-d10	17.063	188	335068m	16.117	ng/u1	0.00
81) Pyrene-d10	19.368	212	359080	17.784	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.851	264	308946	14.983	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	2945m	1.555	ng/uL	
5) Pyridine	3.487	79	22861	5.035	ng/u1#	81
6) Benzaldehyde	6.704	77	17887	6.193	ng/u1	95
8) Phenol	6.763	94	25410	4.903	ng/u1	90
10) Bis(2-Chloroethyl)ether	6.993	93	21056	5.090	ng/u1	96
12) 2-Chlorophenol	7.122	128	21771	4.836	ng/u1	98
13) 2-Methylphenol	8.004	108	16869	4.292	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.081	45	18475	5.310	ng/u1#	94
16) Acetophenone	8.381	105	32682	4.825	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.363	70	14807	4.602	ng/u1#	90
18) 4-Methylphenol	8.334	108	19716	4.639	ng/u1	96
19) Hexachloroethane	8.628	117	10992	4.661	ng/u1	91
22) Nitrobenzene	8.751	77	27016	4.716	ng/u1	97
23) Isophorone	9.275	82	38903	4.411	ng/u1	98
25) 2-Nitrophenol	9.463	139	12096	4.636	ng/u1#	85
26) 2,4-Dimethylphenol	9.528	107	22097	4.276	ng/u1	94
27) Bis(2-Chloroethoxy)met...	9.763	93	25224	4.762	ng/u1	99
29) 2,4-Dichlorophenol	9.987	162	25056	4.590	ng/u1	92
30) Naphthalene	10.387	128	67492	4.663	ng/u1	98
32) 4-Chloroaniline	10.504	127	24239	4.348	ng/u1	97
33) Hexachlorobutadiene	10.675	225	24001	4.105	ng/u1	95
34) Caprolactam	11.275	113	5298m	4.622	ng/u1	
35) 4-Chloro-3-methylphenol	11.639	107	16836	3.923	ng/u1	97
36) 2-Methylnaphthalene	12.010	142	48297	4.388	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.233	142	48513	4.477	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.386	216	36062	4.290	ng/ul	97
40) Hexachlorocyclopentadiene	12.363	237	38289	5.954	ng/ul	95
41) 2,4,6-Trichlorophenol	12.639	196	19413	4.094	ng/ul	97
42) 2,4,5-Trichlorophenol	12.704	196	21090	3.957	ng/ul	96
43) 1,1'-Biphenyl	13.039	154	68319	4.689	ng/ul	97
44) 2-Chloronaphthalene	13.080	162	57061	4.748	ng/ul	96
45) 2-Nitroaniline	13.292	65	9038	3.569	ng/ul	92
47) Dimethylphthalate	13.680	163	67764	4.643	ng/ul	99
48) 2,6-Dinitrotoluene	13.798	165	10664	3.656	ng/ul	96
50) Acenaphthylene	13.933	152	86431	4.882	ng/ul	98
51) 3-Nitroaniline	14.127	138	7418	3.347	ng/ul	98
52) Acenaphthene	14.280	153	55434	4.632	ng/ul	95
53) 2,4-Dinitrophenol	14.339	184	10251	5.045	ng/ul#	84
55) 4-Nitrophenol	14.439	109	9542	4.186	ng/ul#	80
56) Dibenzofuran	14.616	168	87478	4.724	ng/ul	96
57) 2,4-Dinitrotoluene	14.592	165	16436	3.888	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	14.851	232	16903	3.725	ng/ul#	89
59) Diethylphthalate	15.057	149	57736	4.207	ng/ul	96
61) Fluorene	15.269	166	67975	4.591	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.269	204	38696	4.221	ng/ul	96
63) 4-Nitroaniline	15.292	138	7387m	3.541	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.351	198	11134	3.605	ng/ul#	91
67) N-Nitrosodiphenylamine	15.486	169	54134	4.627	ng/ul	95
68) 4-Bromophenyl-phenylether	16.163	248	20683	3.996	ng/ul	96
69) Hexachlorobenzene	16.274	284	24858	4.269	ng/ul	96
70) Atrazine	16.445	200	31962	6.051	ng/ul	97
71) Pentachlorophenol	16.621	266	22489	5.801	ng/ul	92
72) Phenanthrene	17.010	178	107798	4.712	ng/ul	98
74) Anthracene	17.098	178	107852	4.652	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.004	216	35241	4.398	ng/uL	88
76) Pentachlorobenzene	14.539	250	32357	4.375	ng/uL	90
77) Carbazole	17.374	167	77206	4.034	ng/ul	97
78) Di-n-butylphthalate	17.951	149	79198	3.837	ng/ul	99
80) Fluoranthene	19.033	202	113209	4.887	ng/ul	99
82) Pyrene	19.398	202	123524	5.065	ng/ul	99
83) Butylbenzylphthalate	20.315	149	28312	3.894	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.121	252	34906	4.613	ng/ul	93
85) Benzo(a)anthracene	21.186	228	110278	4.398	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.127	149	40256	3.698	ng/ul	98
87) Chrysene	21.239	228	111972	4.809	ng/ul	99
89) Di-n-octyl phthalate	22.209	149	60076	3.066	ng/ul	100
90) Benzo(b)fluoranthene	23.151	252	99933	4.073	ng/ul	99
91) Benzo(k)fluoranthene	23.209	252	104568	4.174	ng/ul	99
93) Benzo(a)pyrene	23.909	252	96777	4.198	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.215	276	121417	3.932	ng/ul	95
95) Dibenzo(a,h)anthracene	27.286	278	93861	3.713	ng/ul	95
96) Benzo(g,h,i)perylene	28.221	276	99624	3.921	ng/ul	98

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

