

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070125\
 Data File : BP025056.D
 Acq On : 01 Jul 2025 15:08
 Operator : RC/JU
 Sample : Q2117-05
 Misc : MDL-MED-SOIL-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-03

Quant Time: Jul 01 15:29:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP063025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 11:17:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/02/2025
 Supervised By :Jagrut Upadhyay 07/02/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.413	152	525205	20.000	ng/u1	-0.03
20) Naphthalene-d8	10.172	136	2159023	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.089	164	1417675	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.907	188	2825399	20.000	ng/u1	0.00
79) Chrysene-d12	21.354	240	2966921	20.000	ng/u1	0.01
88) Perylene-d12	24.518	264	3107338	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	42834	3.650	ng/uL	0.00
4) Pyridine-d5	3.455	84	511298	15.391	ng/u1	-0.02
7) Phenol-d5	6.596	99	639383	15.814	ng/u1	-0.03
9) Bis-(2-Chloroethyl)eth...	6.766	67	390296	16.769	ng/u1	-0.03
11) 2-Chlorophenol-d4	6.955	132	547069	16.722	ng/u1	-0.03
15) 4-Methylphenol-d8	8.102	113	519379	15.859	ng/u1	-0.04
21) Nitrobenzene-d5	8.537	128	247484	17.076	ng/u1	-0.04
24) 2-Nitrophenol-d4	9.260	143	212682	16.834	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	9.790	165	506363	15.773	ng/u1	-0.03
31) 4-Chloroaniline-d4	10.307	131	795520	16.092	ng/u1	-0.01
46) Dimethylphthalate-d6	13.507	166	1706266	16.754	ng/u1	0.00
49) Acenaphthylene-d8	13.772	160	1984895	16.644	ng/u1	0.00
54) 4-Nitrophenol-d4	14.284	143	278555	14.480	ng/u1	0.00
60) Fluorene-d10	15.107	176	1469738	16.810	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.231	200	145559	11.857	ng/u1	0.00
73) Anthracene-d10	17.013	188	2251865	16.578	ng/u1	0.00
81) Pyrene-d10	19.407	212	2604911	17.118	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.289	264	2637573	16.877	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.114	88	19395	1.531	ng/uL#	94
5) Pyridine	3.478	79	152630	4.434	ng/u1	88
6) Benzaldehyde	6.572	77	123503m	6.303	ng/u1	
8) Phenol	6.619	94	192783	4.644	ng/u1	98
10) Bis(2-Chloroethyl)ether	6.860	93	151645	4.742	ng/u1	100
12) 2-Chlorophenol	6.990	128	163047	4.870	ng/u1	98
13) 2-Methylphenol	7.849	108	139663	4.419	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	7.949	45	211402	4.780	ng/u1	98
16) Acetophenone	8.213	105	249767	4.867	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.207	70	115766	4.938	ng/u1	97
18) 4-Methylphenol	8.166	108	154043	4.507	ng/u1	99
19) Hexachloroethane	8.478	117	60421	4.732	ng/u1	99
22) Nitrobenzene	8.578	77	159962	4.765	ng/u1	100
23) Isophorone	9.113	82	323427	4.669	ng/u1	99
25) 2-Nitrophenol	9.284	139	71336	4.825	ng/u1	97
26) 2,4-Dimethylphenol	9.366	107	151382	4.250	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.590	93	200617	4.682	ng/u1	99
29) 2,4-Dichlorophenol	9.813	162	149802	4.671	ng/u1	96
30) Naphthalene	10.219	128	544060	4.802	ng/u1	100
32) 4-Chloroaniline	10.331	127	223756	4.611	ng/u1	100
33) Hexachlorobutadiene	10.525	225	98651	4.614	ng/u1	99
34) Caprolactam	11.084	113	62382	5.488	ng/u1	97
35) 4-Chloro-3-methylphenol	11.466	107	140835	4.403	ng/u1	99
36) 2-Methylnaphthalene	11.860	142	381215	4.722	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.072	142	367516	4.633	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.237	216	194983	4.659	ng/ul	99
40) Hexachlorocyclopentadiene	12.231	237	102766	5.018	ng/ul	99
41) 2,4,6-Trichlorophenol	12.478	196	106178	4.291	ng/ul	98
42) 2,4,5-Trichlorophenol	12.543	196	115171	4.184	ng/ul	98
43) 1,1'-Biphenyl	12.895	154	491727	4.683	ng/ul	98
44) 2-Chloronaphthalene	12.931	162	386688	4.736	ng/ul	98
45) 2-Nitroaniline	13.137	65	59418	3.850	ng/ul	98
47) Dimethylphthalate	13.548	163	473994	4.716	ng/ul	100
48) 2,6-Dinitrotoluene	13.654	165	62522	3.973	ng/ul	96
50) Acenaphthylene	13.801	152	652740	4.828	ng/ul	99
51) 3-Nitroaniline	13.972	138	70502	3.830	ng/ul#	93
52) Acenaphthene	14.154	153	413720	4.738	ng/ul	98
53) 2,4-Dinitrophenol	14.201	184	45769	5.829	ng/ul	98
55) 4-Nitrophenol	14.295	109	75100	5.506	ng/ul	96
56) Dibenzofuran	14.501	168	589734	4.766	ng/ul	100
57) 2,4-Dinitrotoluene	14.466	165	94418	4.064	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.725	232	92757	4.170	ng/ul#	93
59) Diethylphthalate	14.960	149	449990	4.584	ng/ul	99
61) Fluorene	15.166	166	478765	4.786	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.184	204	234781	4.754	ng/ul	96
63) 4-Nitroaniline	15.178	138	77150	4.251	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.242	198	48025	3.594	ng/ul#	88
67) N-Nitrosodiphenylamine	15.389	169	391746	4.683	ng/ul	99
68) 4-Bromophenyl-phenylether	16.095	248	138062	4.659	ng/ul	95
69) Hexachlorobenzene	16.189	284	174820	4.703	ng/ul	99
70) Atrazine	16.389	200	210229	6.840	ng/ul	99
71) Pentachlorophenol	16.548	266	143869	6.402	ng/ul	97
72) Phenanthrene	16.948	178	757465	4.816	ng/ul	98
74) Anthracene	17.048	178	751409	4.767	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.854	216	194501	4.602	ng/ul	99
76) Pentachlorobenzene	14.413	250	201870	4.723	ng/ul	98
77) Carbazole	17.325	167	661986	4.685	ng/ul	99
78) Di-n-butylphthalate	17.966	149	652930	4.189	ng/ul	100
80) Fluoranthene	19.060	202	816448	4.619	ng/ul	98
82) Pyrene	19.436	202	923710	4.923	ng/ul	99
83) Butylbenzylphthalate	20.442	149	202597	3.719	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.271	252	234537	4.326	ng/ul	99
85) Benzo(a)anthracene	21.336	228	905134	4.744	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.342	149	355760	3.890	ng/ul	98
87) Chrysene	21.401	228	844455	4.748	ng/ul	100
89) Di-n-octyl phthalate	22.577	149	483564	3.142	ng/ul	100
90) Benzo(b)fluoranthene	23.513	252	829235	4.528	ng/ul	100
91) Benzo(k)fluoranthene	23.583	252	843402	4.618	ng/ul	99
93) Benzo(a)pyrene	24.354	252	787614	4.567	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.059	276	933434m	4.268	ng/ul	
95) Dibenzo(a,h)anthracene	28.136	278	752770	4.276	ng/ul	98
96) Benzo(g,h,i)perylene	29.136	276	825375	4.591	ng/ul	98

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

