

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120324\
 Data File : BN035403.D
 Acq On : 03 Dec 2024 11:39
 Operator : RC/JU
 Sample : P4776-05
 Misc : MDL-SOIL-ME-QT4-2024
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Dec 03 12:23:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN120224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 02 18:25:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
 Supervised By :mohammad ahmed 12/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.299	152	75868	20.000	ng/u1	0.00
20) Naphthalene-d8	10.046	136	317331	20.000	ng/u1	0.00
38) Acenaphthene-d10	13.963	164	244157	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.728	188	569065	20.000	ng/u1	0.00
79) Chrysene-d12	20.980	240	598155	20.000	ng/u1	0.00
88) Perylene-d12	23.651	264	670109	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.958	96	5497	3.424	ng/uL	0.00
4) Pyridine-d5	3.340	84	54473	12.871	ng/u1	0.00
7) Phenol-d5	6.499	99	67001	12.397	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.658	67	39767	13.194	ng/u1	0.00
11) 2-Chlorophenol-d4	6.840	132	55736	12.169	ng/u1	0.00
15) 4-Methylphenol-d8	8.010	113	56715	12.041	ng/u1	0.00
21) Nitrobenzene-d5	8.434	128	25881	12.553	ng/u1	0.00
24) 2-Nitrophenol-d4	9.146	143	29208	12.240	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.681	165	64475	12.362	ng/u1	0.00
31) 4-Chloroaniline-d4	10.199	131	82580	12.823	ng/u1	0.00
46) Dimethylphthalate-d6	13.387	166	229459	13.088	ng/u1	0.00
49) Acenaphthylene-d8	13.645	160	254643	13.189	ng/u1	0.00
54) 4-Nitrophenol-d4	14.192	143	32057	11.104	ng/u1	0.00
60) Fluorene-d10	14.969	176	204300	13.494	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.098	200	30264	10.084	ng/u1	0.00
73) Anthracene-d10	16.828	188	330722	13.177	ng/u1	0.00
81) Pyrene-d10	19.145	212	420035	13.296	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.474	264	431294	13.291	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.993	88	2172m	1.206	ng/uL	
5) Pyridine	3.358	79	17540	4.133	ng/u1#	81
6) Benzaldehyde	6.458	77	14138m	4.850	ng/u1	
8) Phenol	6.522	94	23760	4.245	ng/u1	98
10) Bis(2-Chloroethyl)ether	6.746	93	19763	4.510	ng/u1	98
12) 2-Chlorophenol	6.869	128	20038	4.204	ng/u1	97
13) 2-Methylphenol	7.746	108	16549	3.808	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	7.822	45	14358	4.145	ng/u1#	91
16) Acetophenone	8.110	105	34388	4.623	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.105	70	14079	3.981	ng/u1	98
18) 4-Methylphenol	8.075	108	19967	4.134	ng/u1	96
19) Hexachloroethane	8.346	117	8554	4.201	ng/u1	99
22) Nitrobenzene	8.475	77	22662	4.376	ng/u1	95
23) Isophorone	9.004	82	41077	3.958	ng/u1#	95
25) 2-Nitrophenol	9.181	139	11250	4.161	ng/u1	98
26) 2,4-Dimethylphenol	9.257	107	17644	3.256	ng/u1	92
27) Bis(2-Chloroethoxy)met...	9.493	93	27074	4.283	ng/u1	98
29) 2,4-Dichlorophenol	9.704	162	22713	4.304	ng/u1	96
30) Naphthalene	10.099	128	71111	4.409	ng/u1	99
32) 4-Chloroaniline	10.222	127	27279	4.422	ng/u1	95
33) Hexachlorobutadiene	10.393	225	17361	4.661	ng/u1	96
34) Caprolactam	10.993	113	5209m	3.416	ng/u1	
35) 4-Chloro-3-methylphenol	11.363	107	21467	3.905	ng/u1	96
36) 2-Methylnaphthalene	11.722	142	51546	4.292	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	11.951	142	48983	3.979	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.110	216	33183	4.612	ng/ul	97
40) Hexachlorocyclopentadiene	12.093	237	15536	4.298	ng/ul	96
41) 2,4,6-Trichlorophenol	12.369	196	19229	4.121	ng/ul	94
42) 2,4,5-Trichlorophenol	12.434	196	21426	4.121	ng/ul	100
43) 1,1'-Biphenyl	12.775	154	76479	4.539	ng/ul	93
44) 2-Chloronaphthalene	12.810	162	59398	4.407	ng/ul	96
45) 2-Nitroaniline	13.034	65	8994	3.395	ng/ul	96
47) Dimethylphthalate	13.434	163	76536	4.364	ng/ul	99
48) 2,6-Dinitrotoluene	13.551	165	9057	3.098	ng/ul	95
50) Acenaphthylene	13.675	152	93294	4.546	ng/ul	99
51) 3-Nitroaniline	13.881	138	8953	2.957	ng/ul#	98
52) Acenaphthene	14.028	153	64740	4.383	ng/ul	97
53) 2,4-Dinitrophenol	14.092	184	9317	4.563	ng/ul	97
55) 4-Nitrophenol	14.204	109	11033	4.046	ng/ul	92
56) Dibenzofuran	14.369	168	96387	4.590	ng/ul	94
57) 2,4-Dinitrotoluene	14.345	165	16987	3.662	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.604	232	18662	4.121	ng/ul	99
59) Diethylphthalate	14.828	149	72694	4.241	ng/ul	98
61) Fluorene	15.022	166	78064	4.614	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.034	204	41237	4.770	ng/ul	100
63) 4-Nitroaniline	15.051	138	10721	3.651	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.116	198	13873	4.266	ng/ul	97
67) N-Nitrosodiphenylamine	15.251	169	65742	4.349	ng/ul	98
68) 4-Bromophenyl-phenylether	15.934	248	25536	4.437	ng/ul	92
69) Hexachlorobenzene	16.034	284	31925	4.673	ng/ul	95
70) Atrazine	16.228	200	22546	4.176	ng/ul	98
71) Pentachlorophenol	16.386	266	24996	5.763	ng/ul	92
72) Phenanthrene	16.769	178	134064	4.576	ng/ul	98
74) Anthracene	16.857	178	127079	4.296	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.734	216	30645	4.062	ng/uL	99
76) Pentachlorobenzene	14.287	250	31350	4.036	ng/uL	100
77) Carbazole	17.139	167	111957	4.548	ng/ul	100
78) Di-n-butylphthalate	17.739	149	114526	3.997	ng/ul	98
80) Fluoranthene	18.810	202	157092	4.237	ng/ul	99
82) Pyrene	19.175	202	177479	4.463	ng/ul	99
83) Butylbenzylphthalate	20.133	149	39887	3.559	ng/ul	99
84) 3,3'-Dichlorobenzidine	20.910	252	33629m	3.153	ng/ul	
85) Benzo(a)anthracene	20.963	228	176411	4.393	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	20.939	149	65125	3.685	ng/ul	98
87) Chrysene	21.016	228	174735	4.516	ng/ul	98
89) Di-n-octyl phthalate	21.969	149	102749	3.373	ng/ul	100
90) Benzo(b)fluoranthene	22.816	252	168977	4.375	ng/ul	99
91) Benzo(k)fluoranthene	22.874	252	172731	4.367	ng/ul	98
93) Benzo(a)pyrene	23.521	252	152328	4.202	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.592	276	176046	4.071	ng/ul	98
95) Dibenzo(a,h)anthracene	26.645	278	144817	4.133	ng/ul	99
96) Benzo(g,h,i)perylene	27.498	276	136908	4.171	ng/ul	99

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

