

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011123\
 Data File : BN023608.D
 Acq On : 11 Jan 2023 12:19
 Operator : CG/JU
 Sample : N4239-03
 Misc : SFAM-MDL-S-01-4NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2022-05

Quant Time: Jan 11 14:17:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 03:34:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2023
 Supervised By :mohammad ahmed 01/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	160234	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.757	136	748098	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.598	164	477699	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.345	188	1066171	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1049171	20.000	ng/u1	0.00
88) Perylene-d12	23.963	264	1041058	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	15464	4.153	ng/uL	0.00
4) Pyridine-d5	3.723	84	137779	12.333	ng/u1	0.00
7) Phenol-d5	7.099	99	247587	17.434	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.269	67	164146	18.841	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	198952	18.292	ng/u1	0.00
15) 4-Methylphenol-d8	8.658	113	199197	17.574	ng/u1	-0.01
21) Nitrobenzene-d5	9.111	128	97929	17.360	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.840	143	104398	17.482	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.375	165	195063	17.125	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.899	131	303548	16.942	ng/u1	-0.01
46) Dimethylphthalate-d6	14.010	166	625629	17.606	ng/u1	0.00
49) Acenaphthylene-d8	14.293	160	721140	18.316	ng/u1	0.00
54) 4-Nitrophenol-d4	14.793	143	113789	15.729	ng/u1	-0.01
60) Fluorene-d10	15.592	176	577355	19.014	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	95557	14.857	ng/u1	0.00
73) Anthracene-d10	17.445	188	864706	18.124	ng/u1	0.00
81) Pyrene-d10	19.739	212	1053299	17.554	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.804	264	957739	18.603	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.328	88	4562m	1.161	ng/uL	
5) Pyridine	3.752	79	42274	3.696	ng/u1	89
6) Benzaldehyde	7.075	77	32768	5.958	ng/u1	97
8) Phenol	7.128	94	59338	4.105	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.364	93	49219	4.309	ng/u1	98
12) 2-Chlorophenol	7.499	128	47599	4.235	ng/u1	96
13) 2-Methylphenol	8.393	108	41696	3.833	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.475	45	68124	4.459	ng/u1	99
16) Acetophenone	8.775	105	74635	4.260	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.758	70	36395	4.126	ng/u1	99
18) 4-Methylphenol	8.722	108	48633	4.059	ng/u1	96
19) Hexachloroethane	9.028	117	19360	4.307	ng/u1	97
22) Nitrobenzene	9.158	77	58775	4.163	ng/u1	99
23) Isophorone	9.681	82	93361	3.656	ng/u1	99
25) 2-Nitrophenol	9.869	139	25989	3.915	ng/u1	94
26) 2,4-Dimethylphenol	9.928	107	50452	3.745	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.169	93	67328	4.065	ng/u1	97
29) 2,4-Dichlorophenol	10.405	162	46534	4.083	ng/u1	98
30) Naphthalene	10.810	128	171410	4.262	ng/u1	98
32) 4-Chloroaniline	10.922	127	72433	4.037	ng/u1	96
33) Hexachlorobutadiene	11.093	225	30342	4.304	ng/u1	97
34) Caprolactam	11.716	113	13193m	3.447	ng/u1	
35) 4-Chloro-3-methylphenol	12.046	107	46355	3.730	ng/u1	99
36) 2-Methylnaphthalene	12.422	142	112414	4.193	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.640	142	104333	3.809	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.787	216	59410	4.205	ng/ul	99
40) Hexachlorocyclopentadiene	12.769	237	28680	3.221	ng/ul	96
41) 2,4,6-Trichlorophenol	13.034	196	33302	3.576	ng/ul	98
42) 2,4,5-Trichlorophenol	13.099	196	38913	3.821	ng/ul	90
43) 1,1'-Biphenyl	13.434	154	153996	4.178	ng/ul	99
44) 2-Chloronaphthalene	13.469	162	121610	4.253	ng/ul	99
45) 2-Nitroaniline	13.681	65	26931	3.415	ng/ul	96
47) Dimethylphthalate	14.051	163	147321	4.126	ng/ul	99
48) 2,6-Dinitrotoluene	14.175	165	22015	3.261	ng/ul	92
50) Acenaphthylene	14.316	152	186402	4.258	ng/ul	98
51) 3-Nitroaniline	14.504	138	22947	3.392	ng/ul#	91
52) Acenaphthene	14.663	153	133622	4.329	ng/ul	98
53) 2,4-Dinitrophenol	14.710	184	16615	3.766	ng/ul	96
55) 4-Nitrophenol	14.804	109	21938	3.755	ng/ul	91
56) Dibenzofuran	14.993	168	184491	4.294	ng/ul	97
57) 2,4-Dinitrotoluene	14.963	165	33554	3.405	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.222	232	32011	3.668	ng/ul	99
59) Diethylphthalate	15.416	149	142583	3.986	ng/ul	98
61) Fluorene	15.645	166	155302	4.464	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.640	204	74563	4.402	ng/ul	98
63) 4-Nitroaniline	15.663	138	22813	3.663	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.722	198	27668	4.359	ng/ul#	85
67) N-Nitrosodiphenylamine	15.851	169	122318	4.088	ng/ul	99
68) 4-Bromophenyl-phenylether	16.534	248	41997	3.930	ng/ul	90
69) Hexachlorobenzene	16.645	284	54173	4.326	ng/ul	99
70) Atrazine	16.804	200	43128	3.851	ng/ul	96
71) Pentachlorophenol	16.998	266	29392	3.677	ng/ul	96
72) Phenanthrene	17.387	178	247173	4.327	ng/ul	99
74) Anthracene	17.481	178	243680	4.286	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.399	216	55589	3.873	ng/uL	94
76) Pentachlorobenzene	14.916	250	54944	3.821	ng/uL	96
77) Carbazole	17.751	167	206681	4.004	ng/ul	99
78) Di-n-butylphthalate	18.316	149	224475	3.662	ng/ul	100
80) Fluoranthene	19.404	202	278695	3.971	ng/ul	99
82) Pyrene	19.769	202	313521	4.229	ng/ul	98
83) Butylbenzylphthalate	20.669	149	99388	3.387	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.457	252	78703	3.434	ng/ul	96
85) Benzo(a)anthracene	21.522	228	289302	4.071	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	147112	3.452	ng/ul	100
87) Chrysene	21.575	228	284171	4.265	ng/ul	98
89) Di-n-octyl phthalate	22.380	149	213205	2.967	ng/ul	100
90) Benzo(b)fluoranthene	23.216	252	279936	4.221	ng/ul	97
91) Benzo(k)fluoranthene	23.263	252	282663	4.309	ng/ul	99
93) Benzo(a)pyrene	23.851	252	247963	4.312	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	26.480	276	297237	4.182	ng/ul	98
95) Dibenzo(a,h)anthracene	26.504	278	245132	4.171	ng/ul	98
96) Benzo(g,h,i)perylene	27.262	276	229219	4.049	ng/ul	96

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

