

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031124\
 Data File : BN030360.D
 Acq On : 11 Mar 2024 13:51
 Operator : MA/JU
 Sample : P1601-03
 Misc : SFAM-MDLSOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2024-01

Quant Time: Mar 12 00:59:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 13:57:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2024
 Supervised By :mohammad ahmed 03/12/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	115958	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.587	136	453915	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.451	164	248776	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	499364	20.000	ng/u1	0.00
79) Chrysene-d12	21.433	240	425638	20.000	ng/u1	0.00
88) Perylene-d12	23.786	264	446484	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	17499	5.093	ng/uL	0.00
4) Pyridine-d5	3.669	84	186654	22.756	ng/u1	-0.01
7) Phenol-d5	6.957	99	202732	19.705	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.134	67	113021	19.347	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.316	132	174035	21.117	ng/u1	0.00
15) 4-Methylphenol-d8	8.499	113	158592	19.558	ng/u1	-0.01
21) Nitrobenzene-d5	8.957	128	83014	21.918	ng/u1	0.00
24) 2-Nitrophenol-d4	9.675	143	86024	21.664	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.204	165	149614	21.126	ng/u1	0.00
31) 4-Chloroaniline-d4	10.734	131	206045	19.603	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	432473	21.561	ng/u1	0.00
49) Acenaphthylene-d8	14.139	160	500225	22.014	ng/u1	0.00
54) 4-Nitrophenol-d4	14.657	143	63070	17.734	ng/u1	0.00
60) Fluorene-d10	15.451	176	352968	21.451	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	56784	18.206	ng/u1	0.00
73) Anthracene-d10	17.310	188	487510	20.105	ng/u1	0.00
81) Pyrene-d10	19.622	212	562326	20.803	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.639	264	520040	22.237	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	3608m	1.094	ng/uL	
5) Pyridine	3.693	79	34387	4.121	ng/u1#	60
6) Benzaldehyde	6.940	77	25617m	5.342	ng/u1	
8) Phenol	6.981	94	40288	3.935	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.228	93	31921	3.901	ng/u1	97
12) 2-Chlorophenol	7.346	128	34577	4.077	ng/u1	99
13) 2-Methylphenol	8.234	108	27257	3.551	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.334	45	28029m	3.768	ng/u1	
16) Acetophenone	8.622	105	50915	3.906	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.604	70	23537	3.774	ng/u1	97
18) 4-Methylphenol	8.563	108	30876	3.807	ng/u1	100
19) Hexachloroethane	8.852	117	15909	4.038	ng/u1	99
22) Nitrobenzene	8.999	77	41183	4.214	ng/u1	96
23) Isophorone	9.522	82	62575	3.703	ng/u1	96
25) 2-Nitrophenol	9.704	139	17773	4.155	ng/u1	94
26) 2,4-Dimethylphenol	9.769	107	23643	2.678	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.016	93	39338	3.969	ng/u1	99
29) 2,4-Dichlorophenol	10.234	162	29550	4.154	ng/u1	94
30) Naphthalene	10.634	128	112554	4.344	ng/u1	99
32) 4-Chloroaniline	10.757	127	40760	3.987	ng/u1	98
33) Hexachlorobutadiene	10.910	225	21483	4.330	ng/u1	96
34) Caprolactam	11.557	113	7527m	3.554	ng/u1	
35) 4-Chloro-3-methylphenol	11.887	107	28666	3.561	ng/u1	92
36) 2-Methylnaphthalene	12.257	142	68972	4.087	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.475	142	71934	4.312	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.622	216	34881	4.440	ng/ul	98
40) Hexachlorocyclopentadiene	12.592	237	24703	4.198	ng/ul#	95
41) 2,4,6-Trichlorophenol	12.875	196	19512	3.915	ng/ul	93
42) 2,4,5-Trichlorophenol	12.940	196	22180	4.072	ng/ul	95
43) 1,1'-Biphenyl	13.281	154	90969	4.333	ng/ul	99
44) 2-Chloronaphthalene	13.316	162	70708	4.336	ng/ul	100
45) 2-Nitroaniline	13.540	65	15460	3.288	ng/ul	98
47) Dimethylphthalate	13.922	163	87084	4.272	ng/ul	97
48) 2,6-Dinitrotoluene	14.045	165	13910	3.533	ng/ul	94
50) Acenaphthylene	14.169	152	115386	4.364	ng/ul	99
51) 3-Nitroaniline	14.375	138	12433	3.223	ng/ul#	91
52) Acenaphthene	14.510	153	76164	4.348	ng/ul	98
53) 2,4-Dinitrophenol	14.581	184	11128	5.031	ng/ul	95
55) 4-Nitrophenol	14.675	109	16266	4.034	ng/ul	91
56) Dibenzofuran	14.851	168	99474	4.258	ng/ul	95
57) 2,4-Dinitrotoluene	14.834	165	20955	3.730	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.081	232	17814	4.064	ng/ul	97
59) Diethylphthalate	15.292	149	86759	3.982	ng/ul	99
61) Fluorene	15.504	166	81829	4.243	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.510	204	40414	4.377	ng/ul	97
63) 4-Nitroaniline	15.539	138	13237m	3.706	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.592	198	15113	4.491	ng/ul#	90
67) N-Nitrosodiphenylamine	15.728	169	65097	4.132	ng/ul	97
68) 4-Bromophenyl-phenylether	16.410	248	22510	4.207	ng/ul	90
69) Hexachlorobenzene	16.504	284	24992	4.265	ng/ul	93
70) Atrazine	16.692	200	25211	4.649	ng/ul	98
71) Pentachlorophenol	16.857	266	17632	4.447	ng/ul	90
72) Phenanthrene	17.251	178	122632	4.211	ng/ul	98
74) Anthracene	17.345	178	113801	3.841	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.240	216	32620	4.376	ng/uL	94
76) Pentachlorobenzene	14.763	250	33248	4.783	ng/uL	99
77) Carbazole	17.628	167	95249	3.620	ng/ul	98
78) Di-n-butylphthalate	18.210	149	131357	3.593	ng/ul	98
80) Fluoranthene	19.286	202	131319	3.965	ng/ul	97
82) Pyrene	19.651	202	139686	4.103	ng/ul	97
83) Butylbenzylphthalate	20.580	149	53006	3.250	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.363	252	38487	4.161	ng/ul	96
85) Benzo(a)anthracene	21.416	228	134022	4.196	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.369	149	84164	3.409	ng/ul	98
87) Chrysene	21.468	228	129348	4.366	ng/ul	97
89) Di-n-octyl phthalate	22.292	149	136105	3.257	ng/ul	100
90) Benzo(b)fluoranthene	23.074	252	127337	4.326	ng/ul	96
91) Benzo(k)fluoranthene	23.121	252	128010	4.210	ng/ul	95
93) Benzo(a)pyrene	23.680	252	118998	4.271	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.209	276	142743	4.308	ng/ul	98
95) Dibenzo(a,h)anthracene	26.239	278	118907	4.402	ng/ul	99
96) Benzo(g,h,i)perylene	26.951	276	118410	4.412	ng/ul	97

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

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