

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052224\
 Data File : BN031606.D
 Acq On : 22 May 2024 14:33
 Operator : MA/JU
 Sample : P2409-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Quant Time: May 22 23:30:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 23:42:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/24/2024
 Supervised By :mohammad ahmed 05/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	466111	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2006829	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1223351	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2378486	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1489295	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	1304292	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	63407	5.392	ng/uL	0.00
4) Pyridine-d5	3.599	84	875172	26.668	ng/u1	0.00
7) Phenol-d5	6.857	99	1009223	26.303	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	617283	26.823	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	759783	25.698	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	758303	25.529	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	383549	25.253	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	359926	24.817	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	677487	23.891	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	1058822	25.902	ng/u1	0.00
46) Dimethylphthalate-d6	13.745	166	2063403	26.764	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2527151	26.153	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	366978	25.158	ng/u1	0.00
60) Fluorene-d10	15.322	176	1800927	26.955	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	192212	18.692	ng/u1	0.00
73) Anthracene-d10	17.169	188	2380656	23.644	ng/u1	0.00
81) Pyrene-d10	19.469	212	2558201	27.385	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	1626364	26.490	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	13763m	1.111	ng/uL	
5) Pyridine	3.622	79	166228	5.147	ng/u1#	84
6) Benzaldehyde	6.840	77	124835m	6.352	ng/u1	
8) Phenol	6.881	94	195402	4.955	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.122	93	165740	5.065	ng/u1	99
12) 2-Chlorophenol	7.252	128	151295	4.879	ng/u1	98
13) 2-Methylphenol	8.128	108	136010	4.604	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.222	45	194104	5.135	ng/u1	97
16) Acetophenone	8.510	105	245665	5.302	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.499	70	118934	4.997	ng/u1	98
18) 4-Methylphenol	8.451	108	151389	4.822	ng/u1	97
19) Hexachloroethane	8.763	117	63578	4.799	ng/u1	97
22) Nitrobenzene	8.887	77	180270	4.845	ng/u1	100
23) Isophorone	9.410	82	337675	4.771	ng/u1	98
25) 2-Nitrophenol	9.593	139	73521	4.548	ng/u1	99
26) 2,4-Dimethylphenol	9.651	107	95125	2.881	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.898	93	221067	4.900	ng/u1	99
29) 2,4-Dichlorophenol	10.122	162	133191	4.738	ng/u1	97
30) Naphthalene	10.522	128	512332	4.961	ng/u1	99
32) 4-Chloroaniline	10.634	127	203454	5.101	ng/u1	98
33) Hexachlorobutadiene	10.804	225	82982	4.824	ng/u1	97
34) Caprolactam	11.416	113	43211	4.746	ng/u1	95
35) 4-Chloro-3-methylphenol	11.757	107	141979	4.650	ng/u1	98
36) 2-Methylnaphthalene	12.140	142	337782	4.998	ng/u1	95

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37) 1-Methylnaphthalene	12.363	142	343105	5.128	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.510	216	163742	4.729	ng/ul	97
40) Hexachlorocyclopentadiene	12.487	237	91910	4.428	ng/ul	98
41) 2,4,6-Trichlorophenol	12.751	196	91896	4.295	ng/ul	91
42) 2,4,5-Trichlorophenol	12.816	196	97498	4.210	ng/ul	96
43) 1,1'-Biphenyl	13.157	154	436041	4.944	ng/ul	99
44) 2-Chloronaphthalene	13.198	162	338980	4.854	ng/ul	98
45) 2-Nitroaniline	13.404	65	77560	4.243	ng/ul	95
47) Dimethylphthalate	13.792	163	408222	5.189	ng/ul	100
48) 2,6-Dinitrotoluene	13.910	165	62115	4.143	ng/ul	96
50) Acenaphthylene	14.051	152	567422	5.087	ng/ul	98
51) 3-Nitroaniline	14.234	138	71971	4.229	ng/ul#	96
52) Acenaphthene	14.392	153	365881	5.063	ng/ul	92
53) 2,4-Dinitrophenol	14.439	184	25901	3.762	ng/ul	94
55) 4-Nitrophenol	14.534	109	57803	5.259	ng/ul	92
56) Dibenzofuran	14.728	168	500986	5.193	ng/ul	100
57) 2,4-Dinitrotoluene	14.692	165	92464	4.603	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.951	232	76064	4.521	ng/ul	99
59) Diethylphthalate	15.157	149	391219	5.278	ng/ul	98
61) Fluorene	15.381	166	407265	5.389	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.381	204	193901	5.329	ng/ul	97
63) 4-Nitroaniline	15.392	138	70459	4.617	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.451	198	47512	4.213	ng/ul#	89
67) N-Nitrosodiphenylamine	15.592	169	322767	4.610	ng/ul	97
68) 4-Bromophenyl-phenylether	16.269	248	107258	4.479	ng/ul	96
69) Hexachlorobenzene	16.375	284	119037	4.606	ng/ul	95
70) Atrazine	16.539	200	100033	5.308	ng/ul	98
71) Pentachlorophenol	16.722	266	60896	4.131	ng/ul	94
72) Phenanthrene	17.116	178	601470	4.983	ng/ul	100
74) Anthracene	17.204	178	549583	4.538	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.122	216	157916	4.176	ng/uL	98
76) Pentachlorobenzene	14.645	250	159810	4.668	ng/uL	92
77) Carbazole	17.475	167	503376	4.871	ng/ul	99
78) Di-n-butylphthalate	18.051	149	536366	4.520	ng/ul	99
80) Fluoranthene	19.133	202	588694	5.098	ng/ul	99
82) Pyrene	19.498	202	607262	5.128	ng/ul	99
83) Butylbenzylphthalate	20.410	149	165718	4.124	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.216	252	98294	3.433	ng/ul	94
85) Benzo(a)anthracene	21.286	228	479641	4.789	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.227	149	225818	4.104	ng/ul	99
87) Chrysene	21.345	228	461710	4.991	ng/ul	99
89) Di-n-octyl phthalate	22.339	149	272282	3.652	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	363818	4.780	ng/ul	96
91) Benzo(k)fluoranthene	23.368	252	368226	4.746	ng/ul	98
93) Benzo(a)pyrene	24.098	252	344505	4.712	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.533	276	368835	4.203	ng/ul	95
95) Dibenzo(a,h)anthracene	27.598	278	303370	4.198	ng/ul	99
96) Benzo(g,h,i)perylene	28.562	276	320047	4.415	ng/ul	98

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

