

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052024\
 Data File : BN031567.D
 Acq On : 20 May 2024 11:39
 Operator : MA/JU
 Sample : P2409-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-03

Quant Time: May 20 12:12:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN051524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 15 02:37:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	465889	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2079081	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.334	164	1344610	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2806210	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	2372801	20.000	ng/u1	0.00
88) Perylene-d12	24.233	264	1951767	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	60703	5.366	ng/uL	0.00
4) Pyridine-d5	3.599	84	893645	25.841	ng/u1	0.00
7) Phenol-d5	6.858	99	1017505	25.734	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	657693	25.408	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	740495	27.321	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	757529	24.950	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	383754	28.006	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	312766	30.245	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	679940	26.466	ng/u1	0.00
31) 4-Chloroaniline-d4	10.616	131	1111906	24.333	ng/u1	0.00
46) Dimethylphthalate-d6	13.745	166	2295742	26.994	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2734827	26.319	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	387404	23.751	ng/u1	0.00
60) Fluorene-d10	15.328	176	2030643	26.107	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	214843	21.382	ng/u1	0.00
73) Anthracene-d10	17.175	188	2845520	23.714	ng/u1	0.00
81) Pyrene-d10	19.469	212	3413891	28.979	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	2398374	27.686	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	14270m	1.182	ng/uL	
5) Pyridine	3.622	79	165893	4.781	ng/u1#	83
6) Benzaldehyde	6.840	77	128374	6.346	ng/u1	95
8) Phenol	6.881	94	195999	4.693	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.122	93	170296	4.871	ng/u1	98
12) 2-Chlorophenol	7.258	128	144233	4.881	ng/u1	95
13) 2-Methylphenol	8.128	108	132889	4.352	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.216	45	211607	4.660	ng/u1	98
16) Acetophenone	8.510	105	257549	4.991	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.499	70	119901	4.688	ng/u1	97
18) 4-Methylphenol	8.452	108	150904	4.584	ng/u1	100
19) Hexachloroethane	8.763	117	62560	4.654	ng/u1	97
22) Nitrobenzene	8.887	77	187832	4.910	ng/u1	97
23) Isophorone	9.410	82	337285	4.646	ng/u1	97
25) 2-Nitrophenol	9.593	139	67693	5.567	ng/u1	97
26) 2,4-Dimethylphenol	9.652	107	102898	3.155	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.899	93	231583	4.930	ng/u1	99
29) 2,4-Dichlorophenol	10.116	162	131750	5.046	ng/u1	92
30) Naphthalene	10.528	128	531401	4.901	ng/u1	98
32) 4-Chloroaniline	10.640	127	213052	4.732	ng/u1	99
33) Hexachlorobutadiene	10.810	225	83465	4.793	ng/u1	95
34) Caprolactam	11.416	113	43298	4.386	ng/u1	87
35) 4-Chloro-3-methylphenol	11.757	107	140795	4.650	ng/u1	99
36) 2-Methylnaphthalene	12.140	142	352639	5.001	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.363	142	360897	5.051	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.510	216	175809	4.974	ng/ul	98
40) Hexachlorocyclopentadiene	12.493	237	66952	3.480	ng/ul	92
41) 2,4,6-Trichlorophenol	12.751	196	82675	4.483	ng/ul	94
42) 2,4,5-Trichlorophenol	12.816	196	101828	4.723	ng/ul	94
43) 1,1'-Biphenyl	13.163	154	466376	4.913	ng/ul	98
44) 2-Chloronaphthalene	13.198	162	365417	4.903	ng/ul	96
45) 2-Nitroaniline	13.410	65	81415	4.245	ng/ul	94
47) Dimethylphthalate	13.792	163	442733	4.963	ng/ul	99
48) 2,6-Dinitrotoluene	13.910	165	64619	4.252	ng/ul	98
50) Acenaphthylene	14.051	152	602574	4.929	ng/ul	100
51) 3-Nitroaniline	14.234	138	75099	4.219	ng/ul	97
52) Acenaphthene	14.392	153	398613	4.863	ng/ul	97
53) 2,4-Dinitrophenol	14.439	184	25748	3.978	ng/ul	94
55) 4-Nitrophenol	14.534	109	65311	4.956	ng/ul	91
56) Dibenzofuran	14.728	168	553892	4.987	ng/ul	100
57) 2,4-Dinitrotoluene	14.692	165	98422	4.474	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.951	232	73654	4.716	ng/ul	99
59) Diethylphthalate	15.163	149	421024	4.709	ng/ul	98
61) Fluorene	15.381	166	448512	4.920	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.381	204	217253	4.994	ng/ul	98
63) 4-Nitroaniline	15.398	138	79559	4.433	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.451	198	51349	4.620	ng/ul	90
67) N-Nitrosodiphenylamine	15.592	169	362974	4.770	ng/ul	94
68) 4-Bromophenyl-phenylether	16.275	248	121857	4.780	ng/ul	99
69) Hexachlorobenzene	16.375	284	144216	4.851	ng/ul	99
70) Atrazine	16.545	200	117963	5.259	ng/ul	97
71) Pentachlorophenol	16.716	266	62504	4.146	ng/ul	91
72) Phenanthrene	17.116	178	716625	4.875	ng/ul	99
74) Anthracene	17.204	178	662946	4.472	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.122	216	167072	4.708	ng/uL	99
76) Pentachlorobenzene	14.645	250	181306	5.277	ng/uL	98
77) Carbazole	17.475	167	611494	4.582	ng/ul	98
78) Di-n-butylphthalate	18.051	149	635731	4.322	ng/ul	99
80) Fluoranthene	19.133	202	771250	5.551	ng/ul	99
82) Pyrene	19.498	202	836985	5.562	ng/ul	97
83) Butylbenzylphthalate	20.410	149	206215	4.346	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.216	252	160972	3.681	ng/ul	99
85) Benzo(a)anthracene	21.286	228	721101	4.623	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.227	149	338375	4.341	ng/ul	97
87) Chrysene	21.345	228	700364	4.802	ng/ul	95
89) Di-n-octyl phthalate	22.345	149	407675	4.192	ng/ul	100
90) Benzo(b)fluoranthene	23.304	252	547160	4.947	ng/ul	96
91) Benzo(k)fluoranthene	23.368	252	570169	5.044	ng/ul	98
93) Benzo(a)pyrene	24.092	252	506251	4.720	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.521	276	448955	3.714	ng/ul	97
95) Dibenzo(a,h)anthracene	27.580	278	385175m	3.741	ng/ul	
96) Benzo(g,h,i)perylene	28.545	276	373493m	3.826	ng/ul	

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

