

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052224\
 Data File : BN031607.D
 Acq On : 22 May 2024 15:13
 Operator : MA/JU
 Sample : P2409-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 22 23:35:53 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	478207	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2045950	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1257073	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2458431	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1589279	20.000	ng/u1	0.00
88) Perylene-d12	24.233	264	1331240	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	65295	5.412	ng/uL	0.00
4) Pyridine-d5	3.599	84	910387	27.040	ng/u1	0.00
7) Phenol-d5	6.858	99	1043238	26.501	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	633385	26.827	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	782826	25.808	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	775182	25.437	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	397913	25.698	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	364231	24.633	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	700219	24.220	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	1099363	26.380	ng/u1	0.00
46) Dimethylphthalate-d6	13.745	166	2139213	27.003	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2559850	25.781	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	377788	25.204	ng/u1	0.00
60) Fluorene-d10	15.322	176	1854969	27.019	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	204476	19.238	ng/u1	0.00
73) Anthracene-d10	17.169	188	2487599	23.903	ng/u1	0.00
81) Pyrene-d10	19.469	212	2605301	26.135	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1646064	26.269	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	14659m	1.153	ng/uL	
5) Pyridine	3.622	79	170503	5.146	ng/u1#	82
6) Benzaldehyde	6.840	77	127495m	6.323	ng/u1	
8) Phenol	6.881	94	200388	4.953	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.122	93	172375	5.134	ng/u1	95
12) 2-Chlorophenol	7.258	128	153128	4.814	ng/u1	99
13) 2-Methylphenol	8.128	108	136756	4.512	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.216	45	197962	5.105	ng/u1	98
16) Acetophenone	8.510	105	250940	5.279	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.499	70	121261	4.966	ng/u1	97
18) 4-Methylphenol	8.452	108	156319	4.853	ng/u1	99
19) Hexachloroethane	8.763	117	65993	4.855	ng/u1	97
22) Nitrobenzene	8.887	77	184797	4.872	ng/u1	97
23) Isophorone	9.410	82	341985	4.740	ng/u1	99
25) 2-Nitrophenol	9.593	139	75129	4.559	ng/u1	96
26) 2,4-Dimethylphenol	9.652	107	96923	2.879	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.899	93	224666	4.884	ng/u1	99
29) 2,4-Dichlorophenol	10.116	162	134576	4.695	ng/u1	91
30) Naphthalene	10.522	128	520197	4.940	ng/u1	99
32) 4-Chloroaniline	10.634	127	208248	5.121	ng/u1	98
33) Hexachlorobutadiene	10.804	225	85208	4.858	ng/u1	93
34) Caprolactam	11.416	113	44162	4.758	ng/u1	93
35) 4-Chloro-3-methylphenol	11.757	107	144437	4.640	ng/u1	99
36) 2-Methylnaphthalene	12.140	142	343008	4.978	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.363	142	353752	5.186	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.510	216	167588	4.711	ng/ul	96
40) Hexachlorocyclopentadiene	12.487	237	91050	4.269	ng/ul	97
41) 2,4,6-Trichlorophenol	12.751	196	92969	4.229	ng/ul	95
42) 2,4,5-Trichlorophenol	12.816	196	105417	4.430	ng/ul	95
43) 1,1'-Biphenyl	13.163	154	450501	4.971	ng/ul	100
44) 2-Chloronaphthalene	13.198	162	352158	4.907	ng/ul	99
45) 2-Nitroaniline	13.410	65	79657	4.240	ng/ul	95
47) Dimethylphthalate	13.792	163	424828	5.255	ng/ul	100
48) 2,6-Dinitrotoluene	13.910	165	63525	4.123	ng/ul	93
50) Acenaphthylene	14.051	152	591113	5.157	ng/ul	98
51) 3-Nitroaniline	14.234	138	73812	4.221	ng/ul#	95
52) Acenaphthene	14.392	153	375847	5.061	ng/ul	95
53) 2,4-Dinitrophenol	14.440	184	26607	3.761	ng/ul	87
55) 4-Nitrophenol	14.534	109	60261	5.336	ng/ul	93
56) Dibenzofuran	14.728	168	515809	5.203	ng/ul	100
57) 2,4-Dinitrotoluene	14.692	165	95396	4.622	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.951	232	76785	4.442	ng/ul	99
59) Diethylphthalate	15.157	149	405406	5.322	ng/ul	97
61) Fluorene	15.381	166	420355	5.413	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.375	204	202038	5.404	ng/ul	96
63) 4-Nitroaniline	15.392	138	74641	4.759	ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.451	198	48083	4.125	ng/ul#	90
67) N-Nitrosodiphenylamine	15.592	169	332117	4.589	ng/ul	98
68) 4-Bromophenyl-phenylether	16.269	248	111989	4.524	ng/ul	96
69) Hexachlorobenzene	16.375	284	133905	5.012	ng/ul	89
70) Atrazine	16.545	200	105832	5.434	ng/ul	98
71) Pentachlorophenol	16.722	266	62075	4.074	ng/ul	95
72) Phenanthrene	17.116	178	622878	4.992	ng/ul	100
74) Anthracene	17.204	178	571455	4.565	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.122	216	163982	4.196	ng/ul	99
76) Pentachlorobenzene	14.645	250	164249	4.641	ng/ul	99
77) Carbazole	17.475	167	532285	4.983	ng/ul	99
78) Di-n-butylphthalate	18.051	149	559856	4.565	ng/ul	100
80) Fluoranthene	19.133	202	606024	4.918	ng/ul	99
82) Pyrene	19.492	202	641485	5.076	ng/ul	96
83) Butylbenzylphthalate	20.410	149	174691	4.073	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.216	252	107754	3.526	ng/ul	98
85) Benzo(a)anthracene	21.286	228	479068	4.483	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.221	149	225629	3.842	ng/ul	98
87) Chrysene	21.345	228	475779	4.820	ng/ul	99
89) Di-n-octyl phthalate	22.339	149	272437	3.581	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	369838	4.761	ng/ul	97
91) Benzo(k)fluoranthene	23.368	252	376660	4.756	ng/ul	98
93) Benzo(a)pyrene	24.098	252	355653	4.766	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.527	276	371663	4.150	ng/ul	99
95) Dibenzo(a,h)anthracene	27.586	278	311466	4.223	ng/ul	99
96) Benzo(g,h,i)perylene	28.551	276	315709	4.267	ng/ul	96

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

