

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120224\
 Data File : BN035396.D
 Acq On : 02 Dec 2024 22:49
 Operator : RC/JU
 Sample : P4776-03
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2024-07

Quant Time: Dec 02 23:45:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN120224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 02 18:25:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024
 Supervised By :mohammad ahmed 12/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.299	152	88284	20.000	ng/u1	0.00
20) Naphthalene-d8	10.051	136	368878	20.000	ng/u1	0.00
38) Acenaphthene-d10	13.963	164	278395	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.728	188	617006	20.000	ng/u1	0.00
79) Chrysene-d12	20.974	240	656478	20.000	ng/u1	0.00
88) Perylene-d12	23.651	264	741317	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.964	96	5873	3.143	ng/uL	0.00
4) Pyridine-d5	3.340	84	62737	12.739	ng/u1	0.00
7) Phenol-d5	6.505	99	79308	12.610	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.663	67	47599	13.571	ng/u1	0.00
11) 2-Chlorophenol-d4	6.840	132	67008	12.573	ng/u1	0.00
15) 4-Methylphenol-d8	8.016	113	66581	12.148	ng/u1	0.00
21) Nitrobenzene-d5	8.440	128	31097	12.976	ng/u1	0.00
24) 2-Nitrophenol-d4	9.151	143	35137	12.667	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.681	165	76815	12.670	ng/u1	0.00
31) 4-Chloroaniline-d4	10.198	131	95415	12.746	ng/u1	0.00
46) Dimethylphthalate-d6	13.387	166	252515	12.632	ng/u1	0.00
49) Acenaphthylene-d8	13.645	160	287621	13.065	ng/u1	0.00
54) 4-Nitrophenol-d4	14.192	143	40429	12.282	ng/u1	0.00
60) Fluorene-d10	14.969	176	226328	13.111	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.104	200	34590	10.630	ng/u1	0.00
73) Anthracene-d10	16.822	188	358608	13.177	ng/u1	0.00
81) Pyrene-d10	19.145	212	449692	12.970	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.468	264	488373	13.605	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.993	88	2100m	1.002	ng/uL	
5) Pyridine	3.364	79	20356	4.122	ng/u1#	84
6) Benzaldehyde	6.463	77	16683	4.918	ng/u1	98
8) Phenol	6.528	94	29029	4.457	ng/u1	96
10) Bis(2-Chloroethyl)ether	6.752	93	22534	4.419	ng/u1	98
12) 2-Chlorophenol	6.875	128	23552	4.246	ng/u1	97
13) 2-Methylphenol	7.752	108	19694	3.894	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	7.828	45	17972	4.459	ng/u1#	91
16) Acetophenone	8.110	105	38374	4.433	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.110	70	16484	4.006	ng/u1	99
18) 4-Methylphenol	8.075	108	23600	4.199	ng/u1	97
19) Hexachloroethane	8.351	117	10290	4.342	ng/u1	92
22) Nitrobenzene	8.481	77	27682	4.599	ng/u1	98
23) Isophorone	9.004	82	48631	4.031	ng/u1	96
25) 2-Nitrophenol	9.181	139	13255	4.218	ng/u1	96
26) 2,4-Dimethylphenol	9.263	107	19252	3.056	ng/u1	96
27) Bis(2-Chloroethoxy)met...	9.498	93	31569	4.296	ng/u1	97
29) 2,4-Dichlorophenol	9.710	162	26266	4.282	ng/u1	94
30) Naphthalene	10.098	128	83740	4.467	ng/u1	99
32) 4-Chloroaniline	10.222	127	31496	4.392	ng/u1	99
33) Hexachlorobutadiene	10.393	225	19639	4.536	ng/u1	97
34) Caprolactam	10.993	113	6611m	3.730	ng/u1	
35) 4-Chloro-3-methylphenol	11.363	107	24897	3.896	ng/u1	94
36) 2-Methylnaphthalene	11.728	142	61320	4.393	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	11.951	142	56628	3.957	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.110	216	37541	4.576	ng/ul	97
40) Hexachlorocyclopentadiene	12.092	237	20486	4.970	ng/ul	92
41) 2,4,6-Trichlorophenol	12.369	196	21927	4.121	ng/ul	94
42) 2,4,5-Trichlorophenol	12.434	196	24001	4.049	ng/ul	96
43) 1,1'-Biphenyl	12.781	154	86298	4.492	ng/ul	94
44) 2-Chloronaphthalene	12.810	162	68121	4.433	ng/ul	97
45) 2-Nitroaniline	13.034	65	10443	3.457	ng/ul	95
47) Dimethylphthalate	13.434	163	84276	4.214	ng/ul	99
48) 2,6-Dinitrotoluene	13.551	165	10817	3.245	ng/ul#	88
50) Acenaphthylene	13.675	152	105224	4.497	ng/ul	99
51) 3-Nitroaniline	13.881	138	10894	3.156	ng/ul#	88
52) Acenaphthene	14.028	153	73107	4.341	ng/ul	98
53) 2,4-Dinitrophenol	14.086	184	14460	6.211	ng/ul	96
55) 4-Nitrophenol	14.204	109	12986	4.177	ng/ul	94
56) Dibenzofuran	14.369	168	106597	4.452	ng/ul	99
57) 2,4-Dinitrotoluene	14.345	165	19292	3.647	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.604	232	20905	4.048	ng/ul#	98
59) Diethylphthalate	14.828	149	79722	4.079	ng/ul	98
61) Fluorene	15.022	166	87793	4.551	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.034	204	45095	4.575	ng/ul	99
63) 4-Nitroaniline	15.051	138	12492	3.731	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.116	198	15903	4.511	ng/ul#	92
67) N-Nitrosodiphenylamine	15.251	169	71829	4.382	ng/ul	95
68) 4-Bromophenyl-phenylether	15.933	248	27674	4.435	ng/ul	95
69) Hexachlorobenzene	16.033	284	33474	4.519	ng/ul	99
70) Atrazine	16.222	200	26265	4.486	ng/ul	99
71) Pentachlorophenol	16.381	266	35831	7.619	ng/ul	95
72) Phenanthrene	16.769	178	148485	4.674	ng/ul	100
74) Anthracene	16.857	178	141348	4.407	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.734	216	33536	4.099	ng/ul	97
76) Pentachlorobenzene	14.286	250	34537	4.101	ng/ul	96
77) Carbazole	17.139	167	128026	4.797	ng/ul	98
78) Di-n-butylphthalate	17.739	149	132667	4.270	ng/ul	99
80) Fluoranthene	18.810	202	177949	4.373	ng/ul	99
82) Pyrene	19.174	202	196494	4.503	ng/ul	98
83) Butylbenzylphthalate	20.127	149	47892	3.894	ng/ul	98
84) 3,3'-Dichlorobenzidine	20.910	252	37597	3.212	ng/ul	94
85) Benzo(a)anthracene	20.963	228	201006	4.561	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	20.939	149	78008	4.022	ng/ul	99
87) Chrysene	21.016	228	196092	4.618	ng/ul	98
89) Di-n-octyl phthalate	21.963	149	122426	3.633	ng/ul	100
90) Benzo(b)fluoranthene	22.815	252	199528	4.669	ng/ul	98
91) Benzo(k)fluoranthene	22.868	252	191728	4.382	ng/ul	99
93) Benzo(a)pyrene	23.527	252	173846	4.335	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.586	276	204121	4.267	ng/ul	99
95) Dibenzo(a,h)anthracene	26.645	278	166698	4.301	ng/ul	99
96) Benzo(g,h,i)perylene	27.503	276	155108	4.272	ng/ul	98

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

