Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093024\
Data File : BN034279.D
Acq On : 30 Sep 2024 16:10
Operator : RC/JU
Sample : P3391-06
Misc : SFAM-MDL-ME SOIL-02
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 16:57:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 30 14:14:38 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2024-06

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/01/2024
Supervised By :mohammad ahmed 10/02/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.387	152	231950	20.000	ng/ul	0.00
20) Naphthalene-d8	10.140	136	924302	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.040	164	548430	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.798	188	1078558	20.000	ng/ul	0.00
79) Chrysene-d12	21.033	240	961057	20.000	ng/ul	0.00
88) Perylene-d12	23.739	264	987983	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.999	96	26445	4.652	ng/uL	0.00
4) Pyridine-d5	3.387	84	321155	19.009	ng/ul	0.00
7) Phenol-d5	6.581	99	403350	19.594	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.740	67	259358	20.306	ng/ul	0.00
11) 2-Chlorophenol-d4	6.922	132	353180	21.796	ng/ul	0.00
15) 4-Methylphenol-d8	8.099	113	285475	16.854	ng/ul	0.00
21) Nitrobenzene-d5	8.528	128	168208	22.832	ng/ul	0.00
24) 2-Nitrophenol-d4	9.240	143	161231	21.282	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.775	165	304233	21.324	ng/ul	0.00
31) 4-Chloroaniline-d4	10.293	131	392809	18.186	ng/ul	0.00
46) Dimethylphthalate-d6	13.469	166	857369	20.919	ng/ul	0.00
49) Acenaphthylene-d8	13.728	160	999721	21.682	ng/ul	0.00
54) 4-Nitrophenol-d4	14.269	143	116823	13.889	ng/ul	0.00
60) Fluorene-d10	15.045	176	761648	21.927	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.175	200	96395	14.990	ng/ul	0.00
73) Anthracene-d10	16.892	188	915211	18.049	ng/ul	0.00
81) Pyrene-d10	19.204	212	1247802	23.303	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.551	264	1194335	23.534	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	6522	1.088	ng/uL	93
5) Pyridine	3.405	79	64225	3.715	ng/ul#	82
6) Benzaldehyde	6.546	77	47402	4.362	ng/ul	97
8) Phenol	6.611	94	79888	3.727	ng/ul	97
10) Bis(2-Chloroethyl)ether	6.828	93	70168	4.212	ng/ul	96
12) 2-Chlorophenol	6.958	128	68822	4.144	ng/ul	96
13) 2-Methylphenol	7.840	108	51709	3.228	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	7.911	45	100627	4.096	ng/ul	98
16) Acetophenone	8.199	105	96599	3.600	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.193	70	44167	3.324	ng/ul	97
18) 4-Methylphenol	8.163	108	60193	3.376	ng/ul	99
19) Hexachloroethane	8.440	117	29734	4.245	ng/ul	91
22) Nitrobenzene	8.569	77	77011	4.176	ng/ul	94
23) Isophorone	9.093	82	115769	3.405	ng/ul	98
25) 2-Nitrophenol	9.275	139	34825	4.107	ng/ul	88
26) 2,4-Dimethylphenol	9.352	107	22884m	1.312	ng/ul	
27) Bis(2-Chloroethoxy)met...	9.587	93	87601	4.187	ng/ul	99
29) 2,4-Dichlorophenol	9.799	162	58860	4.074	ng/ul	92
30) Naphthalene	10.193	128	227601	4.502	ng/ul	99
32) 4-Chloroaniline	10.310	127	76890	3.612	ng/ul	99
33) Hexachlorobutadiene	10.481	225	43841	4.730	ng/ul	96
34) Caprolactam	11.110	113	18477m	3.212	ng/ul	
35) 4-Chloro-3-methylphenol	11.452	107	48598	2.858	ng/ul	95
36) 2-Methylnaphthalene	11.816	142	148137	4.254	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.040	142	150070	4.257	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.199	216	77215	4.877	ng/ul	95
40) Hexachlorocyclopentadiene	12.181	237	27978	2.872	ng/ul	99
41) 2,4,6-Trichlorophenol	12.451	196	31402	2.992	ng/ul	99
42) 2,4,5-Trichlorophenol	12.528	196	44368m	3.848	ng/ul	
43) 1,1'-Biphenyl	12.863	154	187458	4.534	ng/ul	100
44) 2-Chloronaphthalene	12.899	162	149516	4.642	ng/ul	97
45) 2-Nitroaniline	13.122	65	28303	2.719	ng/ul	90
47) Dimethylphthalate	13.516	163	169701	4.063	ng/ul	99
48) 2,6-Dinitrotoluene	13.628	165	26932	3.274	ng/ul	96
50) Acenaphthylene	13.757	152	229851	4.556	ng/ul	99
51) 3-Nitroaniline	13.957	138	22932	2.523	ng/ul	97
52) Acenaphthene	14.104	153	159283	4.422	ng/ul	99
53) 2,4-Dinitrophenol	14.175	184	12029	2.486	ng/ul#	85
55) 4-Nitrophenol	14.281	109	18267	2.557	ng/ul	88
56) Dibenzofuran	14.446	168	218759	4.441	ng/ul	95
57) 2,4-Dinitrotoluene	14.422	165	41666	3.360	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.681	232	34829	3.640	ng/ul	90
59) Diethylphthalate	14.898	149	162128	3.714	ng/ul	99
61) Fluorene	15.098	166	169033	4.195	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.104	204	87090	4.459	ng/ul	95
63) 4-Nitroaniline	15.134	138	22984m	2.457	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.193	198	23104	3.235	ng/ul#	98
67) N-Nitrosodiphenylamine	15.322	169	139443	4.315	ng/ul	98
68) 4-Bromophenyl-phenylether	16.004	248	50530	4.614	ng/ul	92
69) Hexachlorobenzene	16.104	284	58189	4.577	ng/ul	98
70) Atrazine	16.287	200	44809	3.827	ng/ul	96
71) Pentachlorophenol	16.457	266	38884	4.593	ng/ul	95
72) Phenanthrene	16.840	178	265456	4.464	ng/ul	99
74) Anthracene	16.928	178	219562	3.616	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	12.816	216	71885	4.789	ng/uL	98
76) Pentachlorobenzene	14.363	250	76488	5.004	ng/uL	96
77) Carbazole	17.210	167	215075	3.848	ng/ul	99
78) Di-n-butylphthalate	17.798	149	246020	3.463	ng/ul	99
80) Fluoranthene	18.869	202	300908	4.807	ng/ul	98
82) Pyrene	19.233	202	310951	4.621	ng/ul	97
83) Butylbenzylphthalate	20.175	149	96601	3.201	ng/ul	99
84) 3,3'-Dichlorobenzidine	20.957	252	56655	2.624	ng/ul	98
85) Benzo(a)anthracene	21.016	228	292845	4.274	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	20.980	149	153638	3.478	ng/ul	95
87) Chrysene	21.069	228	293656	4.491	ng/ul	97
89) Di-n-octyl phthalate	22.022	149	218785	3.328	ng/ul	100
90) Benzo(b)fluoranthene	22.892	252	285070	4.732	ng/ul	99
91) Benzo(k)fluoranthene	22.945	252	275349	4.634	ng/ul	99
93) Benzo(a)pyrene	23.610	252	255361	4.488	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.727	276	309202	4.386	ng/ul	100
95) Dibenzo(a,h)anthracene	26.780	278	260755	4.575	ng/ul	98
96) Benzo(g,h,i)perylene	27.657	276	264338	4.830	ng/ul	98

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

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