Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091224\
Data File : BN033880.D
Acq On : 12 Sep 2024 13:17
Operator : JU/RC
Sample : P3391-02
Misc : SFAM-MDL-Q3-WATER-02
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 12 14:04:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 11 01:58:59 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT3-2024-06

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
09/13/2024
Supervised By :mohammad ahmed
09/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.493	152	168208	20.000	ng/ul	0.00
20) Naphthalene-d8	10.251	136	722024	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.139	164	456605	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.892	188	1004415	20.000	ng/ul	0.00
79) Chrysene-d12	21.133	240	1011696	20.000	ng/ul	0.00
88) Perylene-d12	23.910	264	1070608	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.111	96	20737	5.031	ng/uL	0.00
4) Pyridine-d5	3.499	84	283260	23.119	ng/ul	0.00
7) Phenol-d5	6.681	99	338210	22.655	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	6.840	67	208186	22.477	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.034	132	270743	23.040	ng/ul	0.00
15) 4-Methylphenol-d8	8.204	113	245558	19.991	ng/ul	0.00
21) Nitrobenzene-d5	8.634	128	135523	23.549	ng/ul	0.00
24) 2-Nitrophenol-d4	9.346	143	143097	24.180	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.881	165	243124	21.815	ng/ul	0.00
31) 4-Chloroaniline-d4	10.393	131	338419	20.057	ng/ul	0.00
46) Dimethylphthalate-d6	13.563	166	793587	23.256	ng/ul	0.00
49) Acenaphthylene-d8	13.828	160	883914	23.026	ng/ul	0.00
54) 4-Nitrophenol-d4	14.357	143	148233	21.167	ng/ul	0.00
60) Fluorene-d10	15.139	176	678808	23.472	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.263	200	119855	20.014	ng/ul	0.00
73) Anthracene-d10	16.992	188	914856	19.373	ng/ul	0.00
81) Pyrene-d10	19.298	212	1244248	22.073	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.721	264	1311092	23.840	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.146	88	4888m	1.124	ng/uL	
5) Pyridine	3.516	79	57127	4.556	ng/ul#	74
6) Benzaldehyde	6.646	77	43087	5.468	ng/ul	97
8) Phenol	6.710	94	68703	4.420	ng/ul	98
10) Bis(2-Chloroethyl)ether	6.934	93	57308	4.744	ng/ul	97
12) 2-Chlorophenol	7.063	128	56973	4.731	ng/ul	97
13) 2-Methylphenol	7.940	108	46369	3.991	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.016	45	84182	4.725	ng/ul	97
16) Acetophenone	8.304	105	88283	4.537	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.299	70	44410	4.609	ng/ul	98
18) 4-Methylphenol	8.263	108	52243	4.041	ng/ul	99
19) Hexachloroethane	8.552	117	23926	4.711	ng/ul	95
22) Nitrobenzene	8.675	77	68133	4.730	ng/ul	98
23) Isophorone	9.199	82	117166	4.411	ng/ul	98
25) 2-Nitrophenol	9.381	139	30192	4.559	ng/ul	98
26) 2,4-Dimethylphenol	9.451	107	24919	1.829	ng/ul	90
27) Bis(2-Chloroethoxy)met...	9.687	93	74092	4.533	ng/ul	99
29) 2,4-Dichlorophenol	9.910	162	51124	4.530	ng/ul	95
30) Naphthalene	10.304	128	185047	4.685	ng/ul	98
32) 4-Chloroaniline	10.416	127	70395	4.234	ng/ul	95
33) Hexachlorobutadiene	10.593	225	35140	4.854	ng/ul	96
34) Caprolactam	11.210	113	27888	6.207	ng/ul	98
35) 4-Chloro-3-methylphenol	11.557	107	54367	4.092	ng/ul	99
36) 2-Methylnaphthalene	11.922	142	124746	4.586	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.145	142	126174	4.582	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.304	216	63250	4.798	ng/ul	98
40) Hexachlorocyclopentadiene	12.287	237	37896	4.672	ng/ul	99
41) 2,4,6-Trichlorophenol	12.551	196	38372	4.391	ng/ul	98
42) 2,4,5-Trichlorophenol	12.622	196	40387	4.207	ng/ul	98
43) 1,1'-Biphenyl	12.963	154	161582	4.694	ng/ul	100
44) 2-Chloronaphthalene	12.998	162	127740	4.763	ng/ul	98
45) 2-Nitroaniline	13.210	65	35512	4.098	ng/ul	97
47) Dimethylphthalate	13.604	163	167302	4.811	ng/ul	99
48) 2,6-Dinitrotoluene	13.722	165	29355	4.287	ng/ul	94
50) Acenaphthylene	13.851	152	209446	4.986	ng/ul	99
51) 3-Nitroaniline	14.045	138	29262	3.867	ng/ul#	94
52) Acenaphthene	14.204	153	139448	4.650	ng/ul	98
53) 2,4-Dinitrophenol	14.257	184	27102	6.728	ng/ul	88
55) 4-Nitrophenol	14.369	109	27419	4.610	ng/ul#	88
56) Dibenzofuran	14.539	168	192792	4.701	ng/ul	97
57) 2,4-Dinitrotoluene	14.516	165	46496	4.504	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.775	232	36783	4.618	ng/ul	99
59) Diethylphthalate	14.986	149	177358	4.880	ng/ul	99
61) Fluorene	15.192	166	163581	4.876	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.198	204	79300	4.877	ng/ul	93
63) 4-Nitroaniline	15.216	138	30748	3.948	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.281	198	29401	4.421	ng/ul#	92
67) N-Nitrosodiphenylamine	15.410	169	133854	4.447	ng/ul	98
68) 4-Bromophenyl-phenylether	16.092	248	46986	4.607	ng/ul	98
69) Hexachlorobenzene	16.198	284	54419	4.597	ng/ul	96
70) Atrazine	16.381	200	53389	4.896	ng/ul	96
71) Pentachlorophenol	16.545	266	56469	7.162	ng/ul	94
72) Phenanthrene	16.933	178	264659	4.779	ng/ul	98
74) Anthracene	17.022	178	236269	4.178	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	12.922	216	61234	4.380	ng/uL	99
76) Pentachlorobenzene	14.457	250	65825	4.625	ng/uL	97
77) Carbazole	17.298	167	233483	4.486	ng/ul	99
78) Di-n-butylphthalate	17.886	149	319442	4.828	ng/ul	99
80) Fluoranthene	18.963	202	308081	4.675	ng/ul	99
82) Pyrene	19.327	202	328463	4.636	ng/ul	96
83) Butylbenzylphthalate	20.263	149	142732	4.493	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.051	252	82767	3.642	ng/ul	97
85) Benzo(a)anthracene	21.116	228	339326	4.704	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.074	149	216011	4.645	ng/ul	97
87) Chrysene	21.168	228	316315	4.596	ng/ul	98
89) Di-n-octyl phthalate	22.133	149	349326	4.904	ng/ul	100
90) Benzo(b)fluoranthene	23.033	252	321317	4.923	ng/ul	97
91) Benzo(k)fluoranthene	23.092	252	321939	5.000	ng/ul	95
93) Benzo(a)pyrene	23.774	252	307362	4.985	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.986	276	374007	4.895	ng/ul	98
95) Dibenzo(a,h)anthracene	27.045	278	309547	5.012	ng/ul	97
96) Benzo(g,h,i)perylene	27.945	276	300418	5.065	ng/ul	97

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

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