Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051624\
Data File : BP020408.D
Acq On : 16 May 2024 12:12
Operator : MA/JU
Sample : P2409-01
Misc : SFAM-MDL-WATER-01
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 00:02:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 16 10:48:40 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-QT2-2024-03

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2024
Supervised By :mohammad ahmed 05/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	77465	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.346	136	328046	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.257	164	237061	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.104	188	575421	20.000	ng/ul	-0.02
79) Chrysene-d12	21.616	240	591268	20.000	ng/ul	-0.01
88) Perylene-d12	24.980	264	639752	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	7955	4.337	ng/uL	0.00
4) Pyridine-d5	3.587	84	92498	17.355	ng/ul	0.00
7) Phenol-d5	6.769	99	136261	20.482	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	6.934	67	83277	20.607	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.117	132	108888	22.896	ng/ul	-0.01
15) 4-Methylphenol-d8	8.293	113	107501	19.987	ng/ul	0.00
21) Nitrobenzene-d5	8.740	128	52835	21.508	ng/ul	0.00
24) 2-Nitrophenol-d4	9.452	143	59564	21.174	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.999	165	103599	20.181	ng/ul	0.00
31) 4-Chloroaniline-d4	10.522	131	138341	19.255	ng/ul	0.00
46) Dimethylphthalate-d6	13.681	166	397236	22.946	ng/ul	0.00
49) Acenaphthylene-d8	13.946	160	437340	22.869	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.557	143	57498m	21.610	ng/ul	0.01
60) Fluorene-d10	15.287	176	347572	24.071	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.457	200	61584	16.866	ng/ul	-0.01
73) Anthracene-d10	17.210	188	527058	21.173	ng/ul	-0.02
81) Pyrene-d10	19.622	212	718461	20.787	ng/ul	-0.01
92) Benzo(a)pyrene-d12	24.733	264	713108	23.053	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.223	88	2793	1.342	ng/uL#	53
5) Pyridine	3.611	79	20619	3.825	ng/ul#	34
6) Benzaldehyde	6.764	77	18160	5.431	ng/ul	87
8) Phenol	6.799	94	28467	4.146	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.022	93	23711	4.413	ng/ul	96
12) 2-Chlorophenol	7.146	128	23483	4.729	ng/ul	98
13) 2-Methylphenol	8.034	108	20244	3.953	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.105	45	28783	4.294	ng/ul#	85
16) Acetophenone	8.416	105	37542	4.206	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.381	70	20859	4.306	ng/ul	94
18) 4-Methylphenol	8.358	108	23279	4.182	ng/ul	95
19) Hexachloroethane	8.616	117	10649	4.690	ng/ul	89
22) Nitrobenzene	8.787	77	30805	4.368	ng/ul	98
23) Isophorone	9.305	82	55875	4.121	ng/ul	98
25) 2-Nitrophenol	9.493	139	12048	4.135	ng/ul	95
26) 2,4-Dimethylphenol	9.552	107	20988m	3.301	ng/ul	
27) Bis(2-Chloroethoxy)met...	9.793	93	29665	3.946	ng/ul#	89
29) 2,4-Dichlorophenol	10.022	162	22063	4.419	ng/ul	94
30) Naphthalene	10.399	128	79194	4.684	ng/ul	100
32) 4-Chloroaniline	10.552	127	29768	4.237	ng/ul	92
33) Hexachlorobutadiene	10.652	225	19330	4.984	ng/ul	97
34) Caprolactam	11.393	113	8283m	4.751	ng/ul	
35) 4-Chloro-3-methylphenol	11.705	107	23379	3.760	ng/ul	99
36) 2-Methylnaphthalene	12.040	142	53743	4.568	ng/ul	93

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 1-Methylnaphthalene	12.257	142	57202	4.832 ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.416	216	35170	4.757 ng/ul	96
40) Hexachlorocyclopentadiene	12.363	237	25985	6.462 ng/ul	95
41) 2,4,6-Trichlorophenol	12.687	196	19072m	4.113 ng/ul	
42) 2,4,5-Trichlorophenol	12.781	196	20591m	4.127 ng/ul	
43) 1,1'-Biphenyl	13.075	154	74458	4.441 ng/ul	99
44) 2-Chloronaphthalene	13.122	162	58738	4.415 ng/ul	99
45) 2-Nitroaniline	13.381	65	15955	3.615 ng/ul	96
47) Dimethylphthalate	13.734	163	83452	4.772 ng/ul	99
48) 2,6-Dinitrotoluene	13.875	165	13753	3.956 ng/ul	93
50) Acenaphthylene	13.975	152	101747	4.730 ng/ul	98
51) 3-Nitroaniline	14.246	138	11732	3.619 ng/ul#	75
52) Acenaphthene	14.328	153	66674	4.613 ng/ul	96
53) 2,4-Dinitrophenol	14.475	184	6924m	3.245 ng/ul	
55) 4-Nitrophenol	14.581	109	11791m	4.256 ng/ul	
56) Dibenzofuran	14.681	168	96952	4.877 ng/ul	100
57) 2,4-Dinitrotoluene	14.698	165	23457	4.693 ng/ul#	79
58) 2,3,4,6-Tetrachlorophenol	14.922	232	21434	4.784 ng/ul	99
59) Diethylphthalate	15.128	149	83340	4.775 ng/ul	99
61) Fluorene	15.346	166	84743	5.130 ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.346	204	43296	4.941 ng/ul	90
63) 4-Nitroaniline	15.446	138	12772m	4.727 ng/ul	
66) 4,6-Dinitro-2-methylph...	15.469	198	14997	3.939 ng/ul#	71
67) N-Nitrosodiphenylamine	15.575	169	69042	4.309 ng/ul	97
68) 4-Bromophenyl-phenylether	16.275	248	29040	4.659 ng/ul	95
69) Hexachlorobenzene	16.375	284	34304	4.752 ng/ul	95
70) Atrazine	16.581	200	28457	5.009 ng/ul	98
71) Pentachlorophenol	16.763	266	17995m	4.124 ng/ul	
72) Phenanthrene	17.151	178	138650	4.723 ng/ul	97
74) Anthracene	17.245	178	129943	4.352 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.034	216	35186	4.114 ng/uL	98
76) Pentachlorobenzene	14.587	250	40744	4.761 ng/uL	94
77) Carbazole	17.563	167	112107	4.358 ng/ul	100
78) Di-n-butylphthalate	18.145	149	143744	4.610 ng/ul	99
80) Fluoranthene	19.269	202	171487	4.216 ng/ul	99
82) Pyrene	19.657	202	183400	4.334 ng/ul	100
83) Butylbenzylphthalate	20.639	149	64427	4.010 ng/ul	92
84) 3,3'-Dichlorobenzidine	21.545	252	46613	3.874 ng/ul	99
85) Benzo(a)anthracene	21.598	228	177602	4.429 ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.545	149	92090	3.973 ng/ul	98
87) Chrysene	21.669	228	174605	4.698 ng/ul	99
89) Di-n-octyl phthalate	22.833	149	155060	3.785 ng/ul	100
90) Benzo(b)fluoranthene	23.916	252	171349	4.503 ng/ul	99
91) Benzo(k)fluoranthene	23.986	252	179089	4.618 ng/ul	97
93) Benzo(a)pyrene	24.816	252	159619	4.408 ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.804	276	199457m	4.493 ng/ul	
95) Dibenzo(a,h)anthracene	28.898	278	166085m	4.523 ng/ul	
96) Benzo(g,h,i)perylene	30.004	276	164241m	4.588 ng/ul	

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

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