

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112224\
 Data File : BP023303.D
 Acq On : 22 Nov 2024 14:42
 Operator : RC/JU
 Sample : P4776-01
 Misc : MDL-WATER-QT4-2024
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Nov 22 15:48:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 04:34:35 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut
 Upadhyay

11/25/2024
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	89699	20.000	ng/u1	0.00
20) Naphthalene-d8	10.305	136	331594	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.175	164	246114	20.000	ng/u1	-0.01
64) Phenanthrene-d10	16.987	188	599453	20.000	ng/u1	#-0.01
79) Chrysene-d12	21.433	240	730066	20.000	ng/u1	0.01
88) Perylene-d12	24.669	264	803426	20.000	ng/u1	0.04

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	7286	3.904	ng/uL	0.00
4) Pyridine-d5	3.552	84	66751	12.040	ng/u1	0.00
7) Phenol-d5	6.775	99	85153	12.840	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.911	67	54691	14.037	ng/u1	0.00
11) 2-Chlorophenol-d4	7.111	132	64958	13.374	ng/u1	0.00
15) 4-Methylphenol-d8	8.281	113	64538	11.826	ng/u1	0.00
21) Nitrobenzene-d5	8.711	128	31174	13.504	ng/u1	0.00
24) 2-Nitrophenol-d4	9.416	143	35365	12.850	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	69563	12.070	ng/u1	0.00
31) 4-Chloroaniline-d4	10.475	131	81588	11.866	ng/u1	0.00
46) Dimethylphthalate-d6	13.599	166	245198	13.823	ng/u1	0.01
49) Acenaphthylene-d8	13.869	160	253396	13.691	ng/u1	0.00
54) 4-Nitrophenol-d4	14.504	143	33460m	12.552	ng/u1	0.05
60) Fluorene-d10	15.187	176	211748	13.616	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.363	200	31856	8.871	ng/u1	0.01
73) Anthracene-d10	17.092	188	339587m	13.379	ng/u1	0.00
81) Pyrene-d10	19.486	212	455119	13.534	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.445	264	539573	14.099	ng/u1	0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.170	88	2568m	1.191	ng/uL	
5) Pyridine	3.575	79	22020	3.955	ng/u1#	85
6) Benzaldehyde	6.752	77	18426	4.828	ng/u1	95
8) Phenol	6.799	94	27352	3.950	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.005	93	24212	4.653	ng/u1	95
12) 2-Chlorophenol	7.146	128	22284	4.419	ng/u1	94
13) 2-Methylphenol	8.022	108	20091	3.887	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.069	45	28814	4.891	ng/u1	98
16) Acetophenone	8.387	105	37822	4.124	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.358	70	19890	4.344	ng/u1	98
18) 4-Methylphenol	8.352	108	21027	3.683	ng/u1	99
19) Hexachloroethane	8.599	117	10520	4.314	ng/u1	86
22) Nitrobenzene	8.752	77	29724	4.487	ng/u1	94
23) Isophorone	9.263	82	51573	4.354	ng/u1	99
25) 2-Nitrophenol	9.452	139	12484	4.298	ng/u1#	86
26) 2,4-Dimethylphenol	9.528	107	23577	3.759	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.740	93	29871	4.584	ng/u1	98
29) 2,4-Dichlorophenol	10.005	162	22016	3.857	ng/u1	93
30) Naphthalene	10.352	128	73780	4.580	ng/u1	97
32) 4-Chloroaniline	10.493	127	26845	4.030	ng/u1	92
33) Hexachlorobutadiene	10.622	225	22124	4.283	ng/u1	99
34) Caprolactam	11.305	113	7275m	4.284	ng/u1	
35) 4-Chloro-3-methylphenol	11.646	107	23777	3.872	ng/u1	91
36) 2-Methylnaphthalene	11.975	142	50811	4.178	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.199	142	47827	3.847	ng/ul#	100
39) 1,2,4,5-Tetrachloroben...	12.352	216	38180	4.595	ng/ul	96
40) Hexachlorocyclopentadiene	12.310	237	19123	4.382	ng/ul	96
41) 2,4,6-Trichlorophenol	12.622	196	19407	3.836	ng/ul	96
42) 2,4,5-Trichlorophenol	12.722	196	21603	3.961	ng/ul	98
43) 1,1'-Biphenyl	12.999	154	73983	4.691	ng/ul	100
44) 2-Chloronaphthalene	13.046	162	59413	4.609	ng/ul	97
45) 2-Nitroaniline	13.304	65	12134	3.352	ng/ul	92
47) Dimethylphthalate	13.646	163	79575	4.549	ng/ul	99
48) 2,6-Dinitrotoluene	13.775	165	13779	4.049	ng/ul	93
50) Acenaphthylene	13.898	152	89254	4.771	ng/ul	97
51) 3-Nitroaniline	14.140	138	11526m	3.933	ng/ul	
52) Acenaphthene	14.246	153	61871	4.555	ng/ul	98
53) 2,4-Dinitrophenol	14.381	184	11651m	4.825	ng/ul	
55) 4-Nitrophenol	14.510	109	10172m	3.262	ng/ul	
56) Dibenzofuran	14.598	168	92996	4.431	ng/ul	98
57) 2,4-Dinitrotoluene	14.610	165	21010	3.874	ng/ul#	80
58) 2,3,4,6-Tetrachlorophenol	14.840	232	22116	4.148	ng/ul	99
59) Diethylphthalate	15.028	149	73646	4.257	ng/ul	97
61) Fluorene	15.251	166	77733	4.526	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.251	204	43862	4.337	ng/ul	96
63) 4-Nitroaniline	15.334	138	10710m	3.927	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.381	198	14372	3.747	ng/ul#	77
67) N-Nitrosodiphenylamine	15.475	169	64706	4.671	ng/ul	96
68) 4-Bromophenyl-phenylether	16.169	248	28931	4.262	ng/ul	98
69) Hexachlorobenzene	16.281	284	35797	4.189	ng/ul	95
70) Atrazine	16.463	200	28261	4.221	ng/ul	99
71) Pentachlorophenol	16.657	266	32654	6.155	ng/ul	98
72) Phenanthrene	17.028	178	132104	4.667	ng/ul	99
74) Anthracene	17.134	178	131915	4.636	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	12.969	216	35315	4.462	ng/ul	95
76) Pentachlorobenzene	14.510	250	38044	4.210	ng/ul	99
77) Carbazole	17.434	167	105532	4.251	ng/ul	99
78) Di-n-butylphthalate	17.998	149	114932	4.172	ng/ul	98
80) Fluoranthene	19.134	202	169902	4.386	ng/ul#	96
82) Pyrene	19.516	202	187460	4.504	ng/ul	98
83) Butylbenzylphthalate	20.463	149	54765	3.997	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.351	252	64816	3.955	ng/ul#	96
85) Benzo(a)anthracene	21.416	228	201324	4.516	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	77471	3.979	ng/ul#	97
87) Chrysene	21.475	228	189854	4.526	ng/ul	99
89) Di-n-octyl phthalate	22.563	149	126823	3.891	ng/ul	100
90) Benzo(b)fluoranthene	23.645	252	206921m	4.627	ng/ul	
91) Benzo(k)fluoranthene	23.716	252	211443	4.803	ng/ul#	97
93) Benzo(a)pyrene	24.516	252	176012	4.354	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.339	276	248881m	4.419	ng/ul	
95) Dibenzo(a,h)anthracene	28.398	278	204744m	4.477	ng/ul	
96) Benzo(g,h,i)perylene	29.474	276	190469m	4.452	ng/ul	

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

